



Versatec 500

FORMERLY ENVISION2 COMPACT

COMMERCIAL 0.75-6 TON
Water Source/Geothermal Heat Pump

WaterFurnace[®]
Commercial Solutions

Submittal Data
English Language/IP Units
SD1022ANA 01/24

Contractor: _____ P.O.: _____

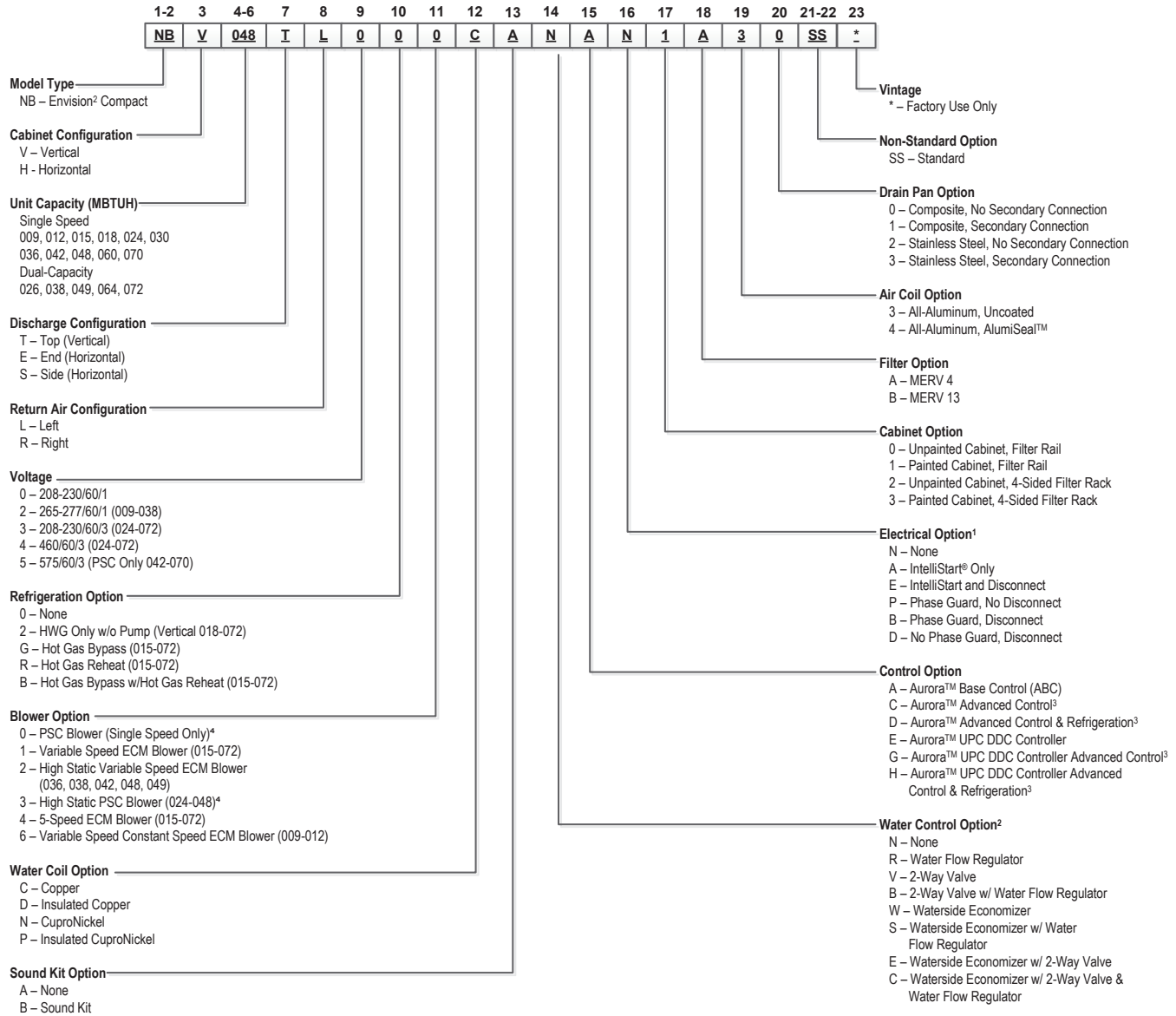
Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact Commercial 0.75-6 Tons 60Hz



Model Nomenclature



Note:
 1 - Phase Guard Only Available on 208-230/60/3, 460/60/3, and 575/60/3.
 2 - Waterside economizer option must be ordered with stainless steel drain pan and either 5-speed ECM or variable speed ECM (024-072).
 3 - Control Option not available with PSC Motor.
 4 - PSC blower option is not available in NB*036, NB*042 and NB*048 in 208-230/60/1 and 208-230/60/3.

Note: See separate manual for economizer option

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



AHRI Data

PSC Motors

ARI/ASHRAE/ISO 13256-1
English (IP) Units

| Model | Capacity Modulation | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|-------|---------------------|-----------|------|----------------------|------------|------------------|-----|------------------------|------------|------------------|-----|---|------------|---|-----|
| | | | | Cooling EWT 86°F | | Heating EWT 68°F | | Cooling EWT 59°F | | Heating EWT 50°F | | Cooling Brine Full Load 77°F Part Load 68°F | | Heating Brine Full Load 32°F Part Load 41°F | |
| | | gpm | cfm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 009 | Single | 3.0 | 350 | 9,600 | 14.0 | 11,600 | 5.2 | 10,800 | 22.2 | 10,600 | 4.4 | 9,800 | 16.7 | 7,800 | 3.4 |
| 012 | Single | 3.5 | 400 | 11,300 | 14.0 | 14,800 | 5.0 | 13,200 | 23.1 | 12,000 | 4.2 | 12,000 | 16.5 | 9,500 | 3.5 |
| 015 | Single | 4.0 | 500 | 14,400 | 15.9 | 18,500 | 5.1 | 16,700 | 26.0 | 15,500 | 4.5 | 15,000 | 18.0 | 12,000 | 3.8 |
| 018 | Single | 5.0 | 600 | 17,400 | 14.8 | 23,000 | 5.1 | 20,600 | 24.7 | 18,700 | 4.3 | 18,500 | 17.3 | 14,500 | 3.5 |
| 024 | Single | 8.0 | 850 | 24,800 | 16.2 | 29,600 | 5.0 | 28,100 | 24.0 | 23,900 | 4.3 | 26,000 | 19.2 | 18,900 | 3.7 |
| 030 | Single | 8.0 | 900 | 26,800 | 17.9 | 32,900 | 5.3 | 30,800 | 27.1 | 26,000 | 4.7 | 27,900 | 21.1 | 20,300 | 3.7 |
| 036 | Single | 9.0 | 1200 | 31,500 | 14.8 | 40,200 | 5.3 | 35,100 | 24.4 | 29,200 | 4.5 | 32,900 | 19.2 | 24,400 | 3.8 |
| 042 | Single | 11.0 | 1300 | 38,300 | 15.4 | 45,600 | 5.2 | 42,300 | 23.3 | 36,000 | 4.3 | 40,300 | 18.5 | 28,900 | 3.5 |
| 048 | Single | 12.0 | 1500 | 43,200 | 13.3 | 55,600 | 4.9 | 48,900 | 22.3 | 44,700 | 4.2 | 45,500 | 16.0 | 36,400 | 3.7 |
| 060 | Single | 15.0 | 1800 | 61,000 | 15.2 | 74,100 | 5.2 | 66,600 | 22.8 | 57,300 | 4.4 | 62,300 | 17.4 | 46,100 | 3.7 |
| 070 | Single | 18.0 | 2000 | 66,200 | 14.4 | 85,000 | 4.6 | 73,500 | 20.8 | 67,100 | 4.0 | 69,100 | 16.6 | 53,500 | 3.4 |

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Heating capacities based upon 68°F DB, 59°F WB entering air temperature
All ratings based upon 208V operation 7/27/18

ECM & X13 Motors

AHRI/ASHRAE/ISO 13256-1
English (IP) Units

| Model | Capacity Modulation | Flow Rate | | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|-------|---------------------|-----------|------|----------------------|------------|------------------|-----|------------------------|------------|------------------|-----|---|------------|---|-----|
| | | | | Cooling EWT 86°F | | Heating EWT 68°F | | Cooling EWT 59°F | | Heating EWT 50°F | | Cooling Brine Full Load 77°F Part Load 68°F | | Heating Brine Full Load 32°F Part Load 41°F | |
| | | gpm | cfm | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP |
| 009 | Single | 3.0 | 350 | 9,600 | 14.6 | 11,700 | 5.3 | 11,000 | 23.0 | 10,700 | 4.5 | 9,800 | 17.1 | 7,800 | 3.6 |
| 012 | Single | 3.5 | 400 | 11,400 | 14.4 | 14,900 | 5.2 | 13,400 | 23.5 | 12,400 | 4.3 | 12,200 | 17.1 | 9,500 | 3.6 |
| 015 | Single | 4.0 | 500 | 14,400 | 16.5 | 18,500 | 5.3 | 16,700 | 27.0 | 15,500 | 4.7 | 15,000 | 18.8 | 12,000 | 4.0 |
| 018 | Single | 5.0 | 600 | 17,400 | 15.7 | 23,000 | 5.3 | 20,600 | 26.0 | 18,700 | 4.6 | 18,500 | 18.3 | 14,500 | 3.8 |
| 024 | Single | 8.0 | 800 | 24,800 | 17.0 | 29,600 | 5.3 | 28,100 | 27.5 | 23,900 | 4.6 | 26,000 | 19.6 | 18,900 | 3.8 |
| 030 | Single | 8.0 | 900 | 27,000 | 18.9 | 32,900 | 5.6 | 31,200 | 29.5 | 26,000 | 4.8 | 28,100 | 22.0 | 20,500 | 3.9 |
| 036 | Single | 9.0 | 1200 | 32,300 | 18.8 | 36,500 | 5.7 | 36,800 | 28.8 | 29,200 | 4.9 | 33,700 | 22.0 | 24,400 | 4.2 |
| 042 | Single | 11.0 | 1300 | 39,000 | 18.6 | 45,600 | 5.8 | 43,900 | 28.1 | 36,100 | 4.9 | 40,700 | 21.7 | 28,900 | 4.0 |
| 048 | Single | 12.0 | 1500 | 44,100 | 16.3 | 55,600 | 5.4 | 50,300 | 25.9 | 44,700 | 4.7 | 45,900 | 18.8 | 36,400 | 4.0 |
| 060 | Single | 15.0 | 1800 | 61,100 | 16.4 | 74,100 | 5.5 | 66,900 | 24.3 | 59,200 | 4.7 | 62,200 | 18.4 | 47,900 | 4.0 |
| 070 | Single | 18.0 | 2000 | 66,200 | 15.3 | 85,000 | 5.0 | 75,000 | 22.9 | 68,000 | 4.4 | 69,100 | 17.6 | 54,000 | 3.7 |
| 026 | Full | 8.0 | 950 | 24,900 | 16.8 | 30,100 | 5.5 | 27,700 | 24.0 | 23,900 | 4.8 | 26,400 | 19.6 | 19,500 | 4.0 |
| | Part | 7.0 | 750 | 18,900 | 18.6 | 22,000 | 6.1 | 22,200 | 29.7 | 17,500 | 4.9 | 21,000 | 26.0 | 16,400 | 4.5 |
| 038 | Full | 9.0 | 1300 | 36,500 | 17.0 | 43,300 | 5.5 | 40,000 | 24.4 | 35,000 | 4.9 | 38,200 | 19.7 | 28,500 | 4.2 |
| | Part | 8.0 | 1150 | 26,500 | 19.0 | 31,300 | 6.4 | 29,900 | 32.1 | 24,900 | 5.1 | 29,500 | 28.0 | 22,900 | 4.8 |
| 049 | Full | 12.0 | 1600 | 49,100 | 17.2 | 59,000 | 5.5 | 54,100 | 24.5 | 47,200 | 4.6 | 50,800 | 19.3 | 38,200 | 4.0 |
| | Part | 11.0 | 1400 | 36,300 | 19.1 | 41,700 | 6.1 | 41,600 | 33.0 | 33,600 | 4.7 | 39,800 | 27.4 | 31,000 | 4.4 |
| 064 | Full | 16.0 | 1800 | 62,300 | 16.4 | 73,900 | 5.2 | 69,000 | 23.9 | 60,400 | 4.6 | 65,500 | 19.3 | 47,300 | 3.8 |
| | Part | 14.0 | 1500 | 45,800 | 18.1 | 53,200 | 5.9 | 53,000 | 30.7 | 43,500 | 4.8 | 50,500 | 26.5 | 38,200 | 4.3 |
| 072 | Full | 18.0 | 2000 | 70,100 | 15.6 | 88,000 | 4.8 | 79,000 | 22.0 | 71,000 | 4.3 | 73,800 | 18.2 | 55,400 | 3.7 |
| | Part | 16.0 | 1500 | 54,200 | 17.0 | 66,000 | 5.1 | 61,500 | 27.6 | 52,700 | 4.3 | 59,400 | 24.9 | 47,400 | 3.9 |

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Heating capacities based upon 68°F DB, 59°F WB entering air temperature
All ratings based upon 208V operation 7/27/18



All Envision² Compact product is safety listed under UL1995 thru ETL and performance listed with AHRI in accordance with standard 13256-1.

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Contractor: _____ P.O.: _____

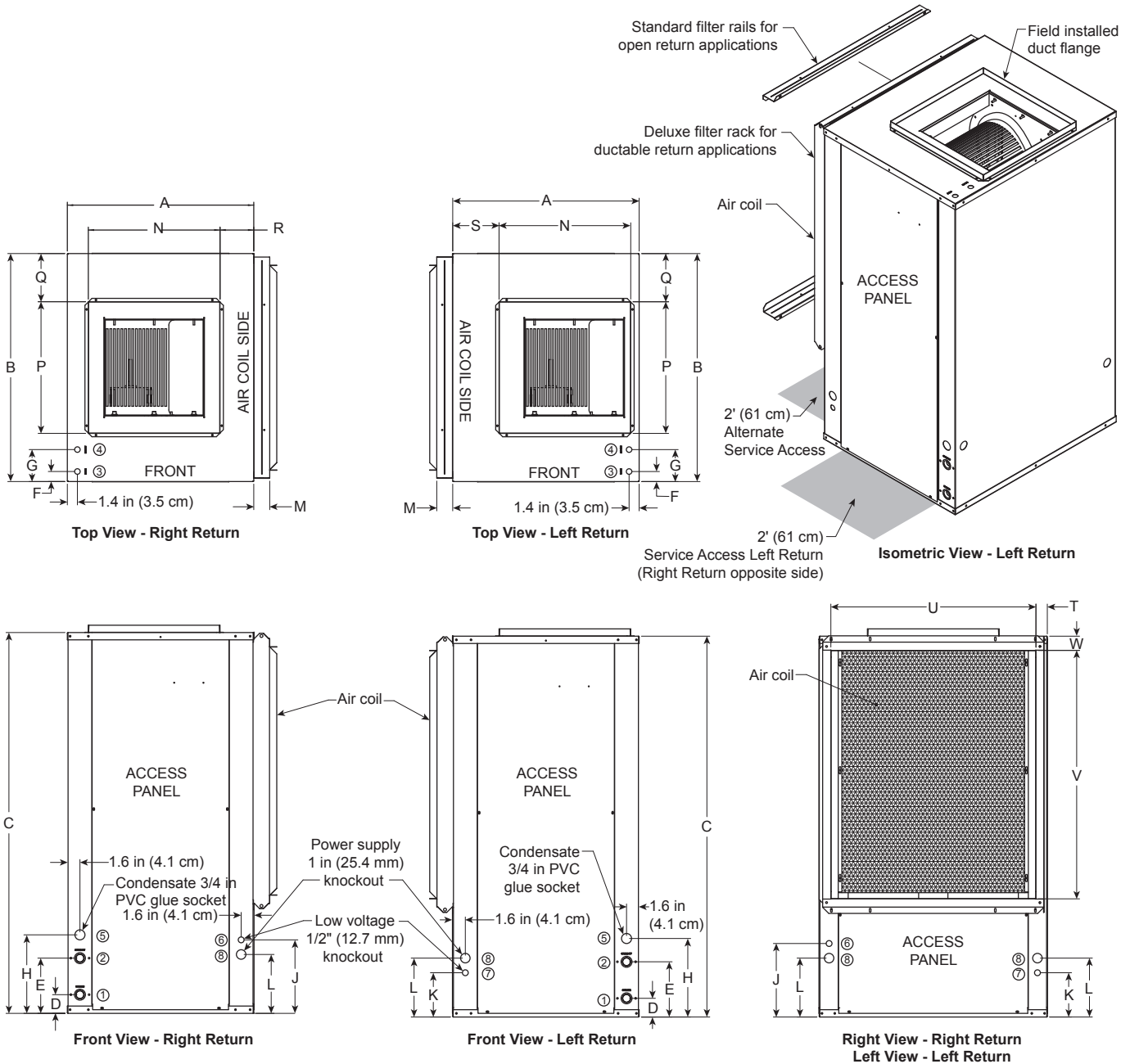
Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Vertical Dimensional Data



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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____



Vertical Dimensional Data cont.

| Vertical Models | Overall Cabinet | | | Water Connections | | | | | | | Electrical Knockouts | | | |
|-----------------|-----------------|-------|---------|-------------------|-----|--------|---------|------------|-----------|----------------|----------------------|--------------|------------|------|
| | A | B | C | 1 | 2 | 3 | 4 | 5 | Loop | Knockout | 6 | 7 | 8 | |
| | | | | D | E | F | G | H | | | J | K | L | |
| | Width | Depth | Height* | In | Out | HWG In | HWG Out | Condensate | Water FPT | HWG Provisions | 1/2 in. cond | 1/2 in. cond | 1 in. cond | |
| | | | | | | | | | | Low Voltage | Low Voltage | Power Supply | | |
| 009-012 | in. | 22.5 | 22.2 | 30.2 | 2.6 | 7.6 | N/A | N/A | 10.8 | 1/2 in. | N/A | 9.4 | 5.4 | 7.4 |
| | cm. | 57.2 | 56.4 | 76.7 | 6.6 | 19.3 | N/A | N/A | 27.4 | 12.7 mm | N/A | 23.9 | 13.7 | 18.8 |
| 015-018 | in. | 22.5 | 26.2 | 40.2 | 2.6 | 7.6 | 1.4 | 4.4 | 10.8 | 3/4 in. | 0.875 | 10.1 | 6.1 | 8.1 |
| | cm. | 57.2 | 66.5 | 102.1 | 6.6 | 19.3 | 3.6 | 11.2 | 27.4 | 19.1 mm | 22.2 mm | 25.7 | 15.5 | 20.6 |
| 024-030 | in. | 22.5 | 26.2 | 44.2 | 2.6 | 7.6 | 1.4 | 4.4 | 10.8 | 3/4 in. | 0.875 | 10.1 | 6.1 | 8.1 |
| | cm. | 57.2 | 66.5 | 112.3 | 6.6 | 19.3 | 3.6 | 11.2 | 27.4 | 19.1 mm | 22.2 mm | 25.7 | 15.5 | 20.6 |
| 036-038 | in. | 25.5 | 31.2 | 44.2 | 2.6 | 7.6 | 1.4 | 4.4 | 10.8 | 1 in. | 0.875 | 10.1 | 6.1 | 8.1 |
| | cm. | 64.8 | 79.2 | 112.3 | 6.6 | 19.3 | 3.6 | 11.2 | 27.4 | 25.4 mm | 22.2 mm | 25.7 | 15.5 | 20.6 |
| 042-049 | in. | 25.5 | 31.2 | 48.2 | 2.6 | 7.6 | 1.4 | 4.4 | 10.8 | 1 in. | 0.875 | 10.1 | 6.1 | 8.1 |
| | cm. | 64.8 | 79.2 | 122.4 | 6.6 | 19.3 | 3.6 | 11.2 | 27.4 | 25.4 mm | 22.2 mm | 25.7 | 15.5 | 20.6 |
| 060-072 | in. | 25.5 | 31.2 | 52.2 | 2.6 | 7.6 | 1.4 | 4.4 | 10.8 | 1 in. | 0.875 | 10.1 | 6.1 | 8.1 |
| | cm. | 64.8 | 79.2 | 132.6 | 6.6 | 19.3 | 3.6 | 11.2 | 27.4 | 25.4 mm | 22.2 mm | 25.7 | 15.5 | 20.6 |

3/16/12

| Vertical Models | Discharge Connection duct flange installed (±0.10 in) | | | | | | **Return Connection using deluxe filter rack (±0.10 in) | | | | |
|-----------------|--|--------------|--------------|------|------|------|--|--------------|---------------|------|-----|
| | M | N | P | Q | R | S | T | U | V | W | |
| | Filter Rack Width | Supply Width | Supply Depth | | | | | Return Depth | Return Height | | |
| 009-012 | in. | 2.2 | 10.0 | 10.0 | 6.1 | 5.3 | 9.8 | 2.0 | 18.1 | 14.0 | 2.0 |
| | cm. | 5.6 | 25.4 | 25.4 | 15.5 | 13.5 | 24.9 | 5.1 | 46.0 | 35.6 | 5.1 |
| 015-018 | in. | 2.2 | 14.0 | 14.0 | 6.1 | 4.5 | 7.7 | 2.0 | 22.1 | 22.0 | 1.9 |
| | cm. | 5.6 | 35.6 | 35.6 | 15.5 | 11.4 | 19.6 | 5.1 | 56.1 | 55.9 | 4.8 |
| 024-030 | in. | 2.2 | 14.0 | 14.0 | 6.1 | 4.5 | 7.7 | 2.0 | 22.1 | 26.1 | 1.8 |
| | cm. | 5.6 | 35.6 | 35.6 | 15.5 | 11.4 | 19.6 | 5.1 | 56.1 | 66.3 | 4.6 |
| 036-038 | in. | 2.2 | 18.0 | 18.0 | 6.6 | 4.6 | 6.3 | 1.6 | 28.1 | 26.1 | 2.0 |
| | cm. | 5.6 | 45.7 | 45.7 | 16.8 | 11.7 | 16.0 | 4.1 | 71.4 | 66.3 | 5.1 |
| 042-049 | in. | 2.2 | 18.0 | 18.0 | 6.6 | 4.6 | 6.3 | 1.6 | 28.1 | 30.0 | 2.0 |
| | cm. | 5.6 | 45.7 | 45.7 | 16.8 | 11.7 | 16.0 | 4.1 | 71.4 | 76.2 | 5.1 |
| 060-072 | in. | 2.2 | 18.0 | 18.0 | 6.6 | 5.0 | 6.4 | 1.6 | 28.1 | 34.0 | 2.0 |
| | cm. | 5.6 | 45.7 | 45.7 | 16.8 | 12.7 | 16.3 | 4.1 | 71.4 | 86.4 | 5.1 |

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Condensate is 3/4 in. PVC female glue socket and is switchable from side to front.

*Discharge flange is field installed and extends 1 in. (25.4 mm) from top of cabinet.

****Vertical units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rack extending 2.2 in. from unit and is not suitable for duct connection, for ductable return connection applications, order the deluxe 2 in. (field adjustable to 1 in.) duct collar/filter rack which extends 3.25 in. from the unit and is suitable for duct connections.**

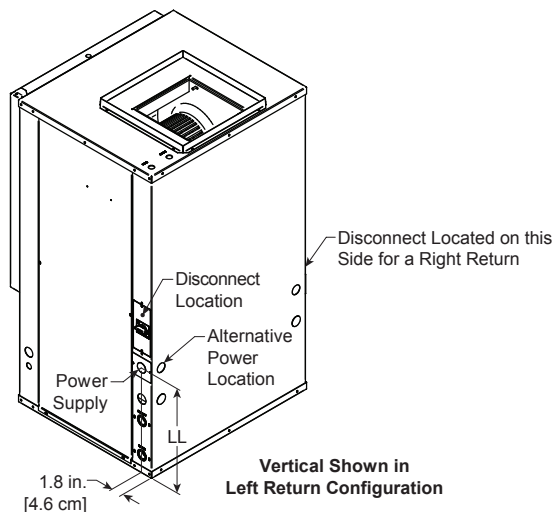
Vertical Disconnect

When using disconnect, do not use dimension L from the standard vertical dimensional data. Use dimension LL from the vertical disconnect dimensional data.

| Vertical Models | LL |
|-----------------|-------------|
| 009-012 | 17.8 [45.2] |
| 015-018 | 14.3 [36.3] |
| 024-030 | 15.3 [38.9] |
| 036-038 | 14.3 [36.3] |
| 042-049 | 14.3 [36.3] |
| 060-064 | 14.3 [36.3] |
| 070-072 | External |

Dimensions in inches [cm]

3/16/12



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Contractor: _____ P.O.: _____

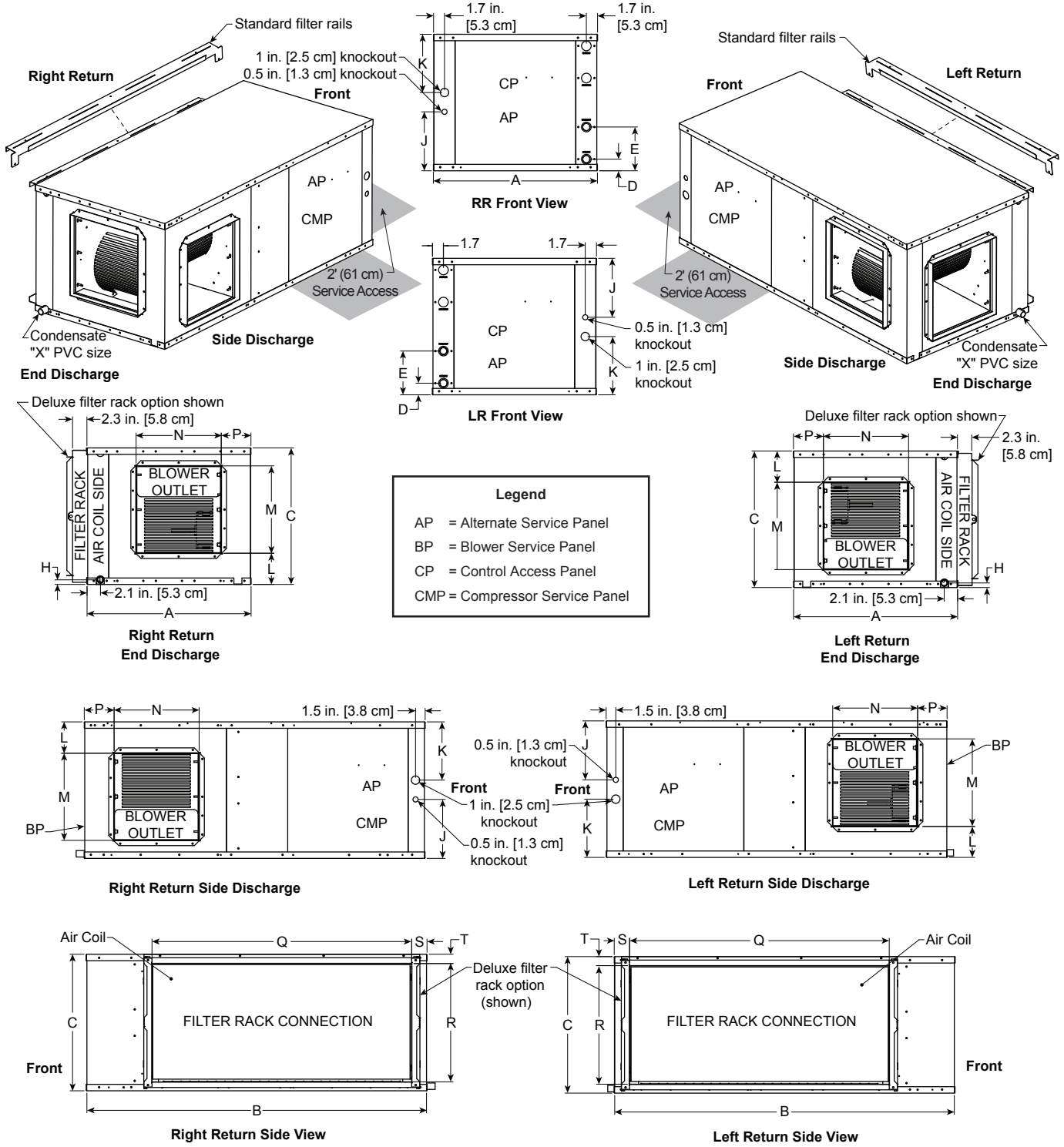
Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Horizontal Dimensional Data



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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____



Horizontal Dimensional Data cont.

| Horizontal Models | Overall Cabinet | | | Water Connections | | | | Electrical Knockouts | |
|-------------------|-----------------|-------|---------|-------------------|-----|------------|------|----------------------|------------|
| | A | B | C | 1 | 2 | 3 | J | K | |
| | Width | Depth | Height* | In | Out | Condensate | Loop | 1/2 in. cond | 1 in. cond |
| 009-012 | in. | 22.5 | 35.0 | 17.2 | 1.8 | 6.8 | 0.8 | 1/2 in. | 7.1 |
| | cm. | 57.2 | 88.9 | 43.7 | 4.6 | 17.3 | 2.0 | 12.7 mm | 18.0 |
| 015-018 | in. | 22.5 | 42.0 | 19.2 | 1.8 | 6.8 | 0.8 | 3/4 in. | 7.1 |
| | cm. | 57.2 | 106.7 | 48.8 | 4.6 | 17.3 | 2.0 | 19.05 mm | 18.0 |
| 024-030 | in. | 22.5 | 45.0 | 19.2 | 1.8 | 6.8 | 0.8 | 3/4 in. | 7.1 |
| | cm. | 57.2 | 114.3 | 48.8 | 4.6 | 17.3 | 2.0 | 19.05 mm | 18.0 |
| 036-038 | in. | 25.5 | 48.0 | 21.2 | 1.8 | 6.8 | 0.8 | 1 in. | 9.1 |
| | cm. | 64.8 | 121.9 | 53.8 | 4.6 | 17.3 | 2.0 | 25.4 mm | 23.1 |
| 042-049 | in. | 25.5 | 53.0 | 21.2 | 1.8 | 6.8 | 0.8 | 1 in. | 9.1 |
| | cm. | 64.8 | 134.6 | 53.8 | 4.6 | 17.3 | 2.0 | 25.4 mm | 23.1 |
| 060-064 | in. | 25.5 | 61.0 | 21.2 | 1.8 | 6.8 | 0.8 | 1 in. | 9.1 |
| | cm. | 64.8 | 154.9 | 53.8 | 4.6 | 17.3 | 2.0 | 25.4 mm | 23.1 |
| 070-072 | in. | 25.5 | 68.0 | 21.2 | 1.8 | 6.8 | 0.8 | 1 in. | 9.1 |
| | cm. | 64.8 | 172.7 | 53.8 | 4.6 | 17.3 | 2.0 | 25.4 mm | 23.1 |

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| Horizontal Models | Discharge Connection duct flange installed (±0.10 in.) | | | | Return Connection using deluxe filter rack option (±0.10 in.) | | | | PVC Size | |
|-------------------|---|--------------|--------------|------|--|---------------|------|-----|----------|------|
| | L | M | N | P | Q | R | S | T | X | |
| | | Supply Width | Supply Depth | | Return Depth | Return Height | | | | |
| 009-012 | in. | 5.9 | 7.2 | 9.5 | 6.0 | 16.4 | 14.5 | 2.0 | 1.4 | 3/4" |
| | cm. | 15.0 | 18.3 | 24.1 | 15.2 | 41.7 | 36.8 | 5.1 | 3.6 | 1.9 |
| 015-018 | in. | 6.7 | 10.5 | 9.4 | 4.9 | 27.4 | 16.6 | 2.0 | 1.4 | 3/4" |
| | cm. | 17.0 | 26.7 | 23.9 | 12.4 | 69.6 | 42.2 | 5.1 | 3.6 | 1.9 |
| 024-030 | in. | 6.7 | 10.5 | 9.4 | 4.9 | 30.4 | 16.6 | 2.0 | 1.5 | 3/4" |
| | cm. | 17.0 | 26.7 | 23.9 | 12.4 | 77.2 | 42.2 | 5.1 | 3.8 | 1.9 |
| 036-038 | in. | 4.9 | 13.6 | 13.2 | 4.6 | 35.4 | 18.6 | 2.3 | 1.4 | 3/4" |
| | cm. | 12.4 | 34.5 | 33.5 | 11.7 | 89.9 | 47.2 | 5.8 | 3.6 | 1.9 |
| 042-049 | in. | 4.9 | 13.6 | 13.2 | 4.6 | 40.4 | 18.6 | 2.3 | 1.4 | 3/4" |
| | cm. | 12.4 | 34.5 | 33.5 | 11.7 | 102.6 | 47.2 | 5.8 | 3.6 | 1.9 |
| 060-064 | in. | 4.9 | 13.6 | 13.2 | 4.6 | 45.4 | 18.6 | 2.3 | 1.4 | 3/4" |
| | cm. | 12.4 | 34.5 | 33.5 | 11.7 | 115.3 | 47.2 | 5.8 | 3.6 | 1.9 |
| 070-072 | in. | 4.9 | 13.6 | 13.2 | 4.6 | 45.4 | 18.6 | 2.3 | 1.4 | 3/4" |
| | cm. | 12.4 | 34.5 | 33.5 | 11.7 | 115.3 | 47.2 | 5.8 | 3.6 | 1.9 |

3/16/12

Horizontal units shipped with standard 2 in. (field adjustable to 1 in.) open application filter rack extending 2.2 in. from unit and is not suitable for duct connection, for ductable return connection applications, order the deluxe 2 in. (field adjustable to 1 in.) filter rail/filter rack which extends 3.25 in. from the unit and is suitable for duct connections.

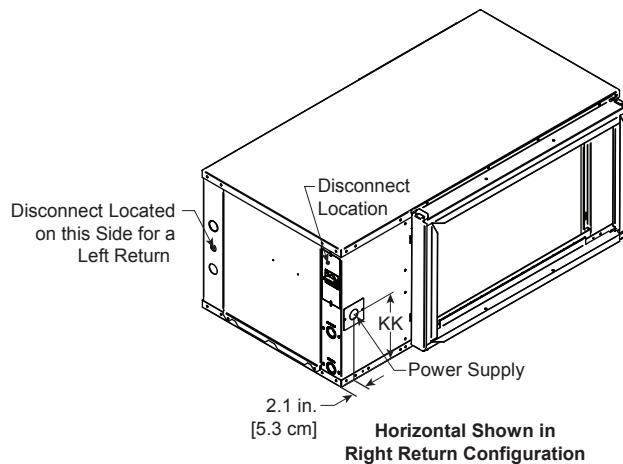
Horizontal Disconnect

When using disconnect, do not use dimension K from the standard horizontal dimensional data. Use dimension KK from the horizontal disconnect dimensional data.

| Horizontal Models | KK |
|-------------------|-------------|
| 009-012 | 8.2 [20.8] |
| 015-018 | 9.2 [23.4] |
| 024-030 | 9.2 [23.4] |
| 036-038 | 11.2 [28.4] |
| 042-049 | 10.2 [25.9] |
| 060-064 | 11.2 [28.4] |
| 070-072 | 10.2 [25.9] |

Dimensions in inches [cm]

3/16/12



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Contractor: _____ P.O.: _____

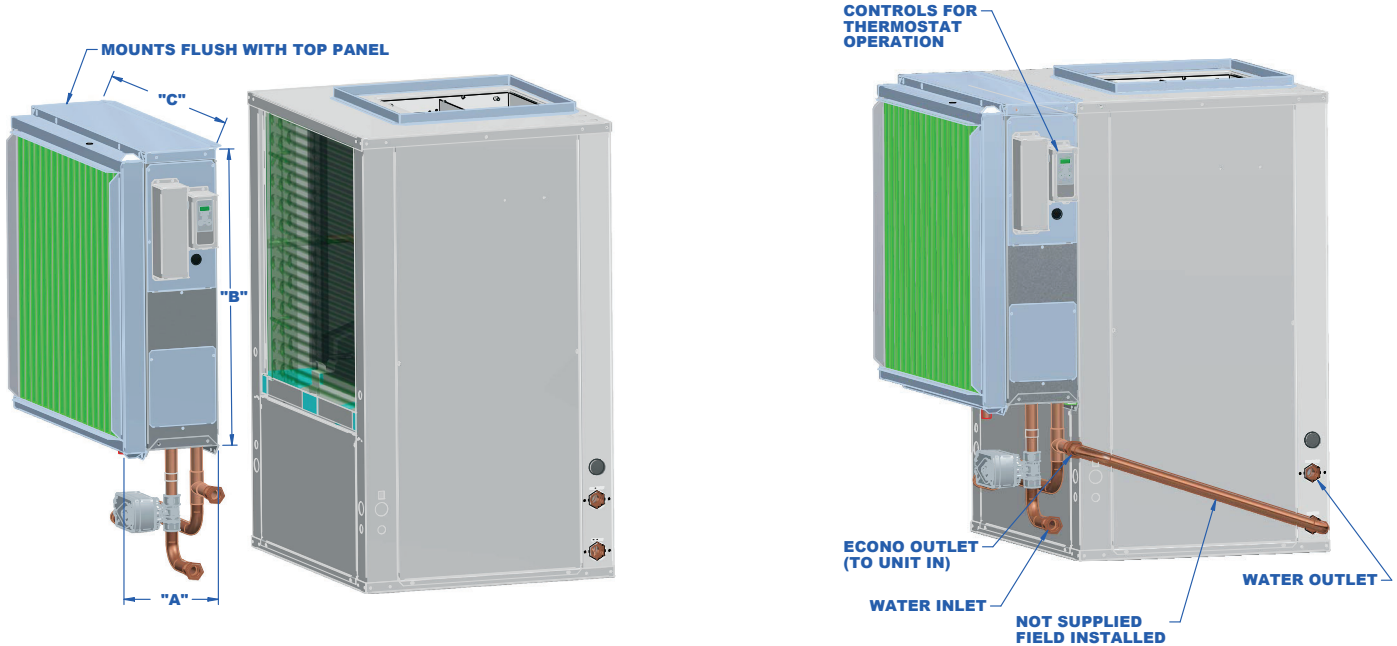
Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Waterside Economizer Dimensional Data



| MODEL SERIES | MODEL SERIES | MODEL SERIES | MODEL SERIES | "A" | "B" | "C" | FILTER RACK WIDTH |
|--------------|--------------|--------------|--------------|-----|-----|------|-------------------|
| UBV024-030 | | | | 7.2 | 22 | 22.2 | 2.2 |
| UBV036 | USV024-030 | | | 7.2 | 26 | 26.2 | 2.2 |
| UBV042-048 | USV036-041 | NBV024-030 | UVV024 | 7.2 | 30 | 26.2 | 2.2 |
| UBV060 | USV042-048 | NBV036-038 | UVV036 | 7.2 | 30 | 31.2 | 2.2 |
| UBV070 | USV060 | NBV042-049 | UVV048 | 7.2 | 34 | 31.2 | 2.2 |
| | USV070 | NBV060-072 | UVV060-072 | 7.2 | 38 | 31.2 | 2.2 |

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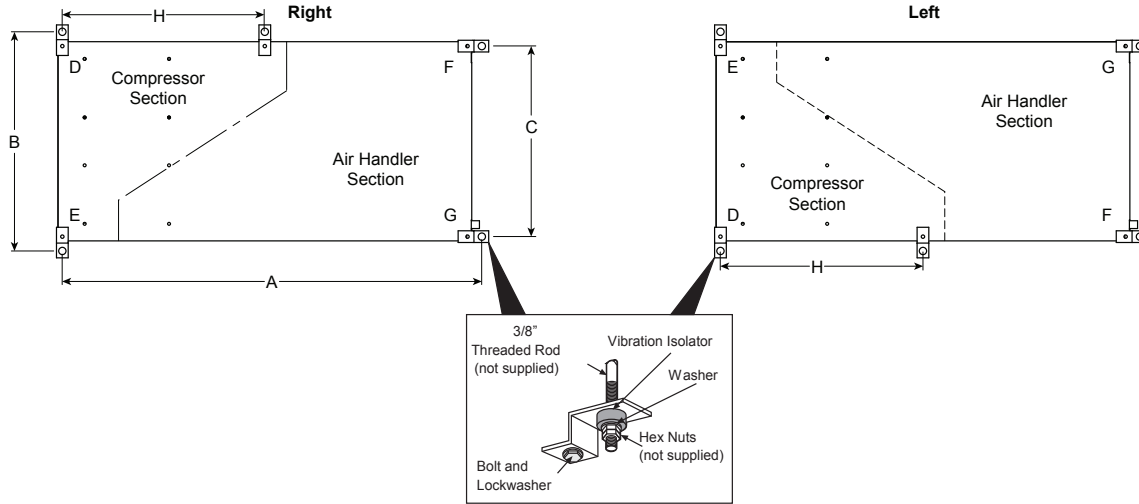
Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____



Hanger Bracket Locations



NOTE: Model sizes 070-072 will be shipped with six (6) hanger brackets. Only five (5) hanger brackets will be used on the unit. See the above illustration for the fifth hanger bracket location. All other models will use four (4) hanger brackets.

Hanger Bracket Dimensions

| Model | Hanger Kit Part Number | Unit Hanger Dimensions | | | | | |
|---------------|------------------------|------------------------|-----------|-------|------|------|-----|
| | | A | B | C | H | | |
| Single Speed | 009-012 | in. | 99S500A04 | 35.7 | 25.1 | 21.4 | n/a |
| | | cm. | | 90.7 | 63.8 | 54.4 | n/a |
| | 015-018 | in. | 99S500A04 | 42.8 | 25.1 | 21.4 | n/a |
| | | cm. | | 108.7 | 63.8 | 54.4 | n/a |
| | 024-030 | in. | 99S500A04 | 45.8 | 25.1 | 21.4 | n/a |
| | | cm. | | 116.3 | 63.8 | 54.4 | n/a |
| | 036 | in. | 99S500A04 | 48.8 | 28.1 | 24.4 | n/a |
| | | cm. | | 124.0 | 71.4 | 62.0 | n/a |
| | 042-048 | in. | 99S500A04 | 53.8 | 28.1 | 24.4 | n/a |
| | | cm. | | 136.7 | 71.4 | 62.0 | n/a |
| | 060 | in. | 99S500A04 | 61.8 | 28.1 | 24.4 | n/a |
| | | cm. | | 157.0 | 71.4 | 62.0 | n/a |
| 070 | in. | 99S500A03 | 68.8 | 28.1 | 24.4 | 34.0 | |
| | cm. | | 174.8 | 71.4 | 62.0 | 74.4 | |
| Dual Capacity | 026 | in. | 99S500A04 | 45.8 | 25.1 | 21.4 | n/a |
| | | cm. | | 116.3 | 63.8 | 54.4 | n/a |
| | 038 | in. | 99S500A03 | 48.8 | 28.1 | 24.4 | n/a |
| | | cm. | | 124.0 | 71.4 | 62.0 | n/a |
| | 049 | in. | 99S500A04 | 53.8 | 28.1 | 24.4 | n/a |
| | | cm. | | 136.7 | 71.4 | 62.0 | n/a |
| | 064 | in. | 99S500A04 | 61.8 | 28.1 | 24.4 | n/a |
| | | cm. | | 157.0 | 71.4 | 62.0 | n/a |
| 072 | in. | 99S500A03 | 68.8 | 28.1 | 24.4 | 34.0 | |
| cm. | | 174.8 | 71.4 | 62.0 | 74.4 | | |

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Weight Distribution

| Model | Vertical Weight | Horizontal Weight | Horizontal Weight Distribution | | | | |
|---------------|-----------------|-------------------|--------------------------------|------|------|------|------|
| | | | Front | | Back | | |
| | | | D | E | F | G | |
| Single Speed | 009 | 171 | 176 | 32 | 67 | 32 | 45 |
| | | [78] | [80] | [15] | [30] | [15] | [20] |
| | 012 | 171 | 176 | 32 | 67 | 32 | 45 |
| | | [78] | [80] | [15] | [30] | [15] | [20] |
| | 015 | 210 | 220 | 65 | 40 | 70 | 35 |
| | | [95] | [100] | [29] | [18] | [32] | [16] |
| | 018 | 210 | 220 | 65 | 40 | 70 | 35 |
| | | [95] | [100] | [29] | [18] | [32] | [16] |
| | 024 | 280 | 295 | 75 | 70 | 75 | 20 |
| | | [127] | [134] | [34] | [31] | [34] | [13] |
| | 030 | 285 | 295 | 75 | 70 | 75 | 30 |
| | | [129] | [134] | [34] | [31] | [34] | [13] |
| 036 | 300 | 305 | 85 | 80 | 85 | 40 | |
| | [136] | [138] | [39] | [36] | [39] | [18] | |
| 042 | 365 | 375 | 115 | 95 | 75 | 60 | |
| | [166] | [170] | [52] | [43] | [34] | [27] | |
| 048 | 370 | 380 | 120 | 100 | 80 | 65 | |
| | [168] | [172] | [54] | [45] | [36] | [29] | |
| 060 | 410 | 420 | 120 | 110 | 95 | 80 | |
| | [186] | [191] | [54] | [50] | [43] | [36] | |
| 070 | 445 | 455 | 135 | 120 | 100 | 85 | |
| | [202] | [206] | [61] | [54] | [45] | [39] | |
| Dual Capacity | 026 | 280 | 295 | 75 | 70 | 75 | 50 |
| | | [127] | [134] | [34] | [31] | [34] | [13] |
| | 038 | 360 | 375 | 115 | 95 | 75 | 60 |
| | | [163] | [170] | [52] | [43] | [34] | [27] |
| | 049 | 370 | 380 | 120 | 100 | 80 | 65 |
| | | [168] | [172] | [54] | [45] | [36] | [29] |
| | 064 | 410 | 420 | 120 | 110 | 95 | 80 |
| | | [186] | [191] | [54] | [50] | [43] | [36] |
| 072 | 445 | 455 | 135 | 120 | 100 | 85 | |
| | [202] | [206] | [61] | [54] | [45] | [39] | |

Weights are listed in lbs. [kg].

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Physical Data

| Model | | Dual Capacity | | | | |
|--|------------|--|----------------------------|--|--|--|
| | | 026 | 038 | 049 | 064 | 072 |
| Compressor (1 each) | | Copeland 2-speed Scroll, UltraTech | | | | |
| Factory Charge R410A, oz [kg] | Vertical | 56 [1.59] | 78 [2.21] | 93 [2.64] | 104 [2.95] | 128 [3.63] |
| Factory Charge R410A, oz [kg] | Horizontal | 50 [1.42] | 74 [2.10] | 93 [2.64] | 118 [3.35] | 138 [3.91] |
| <i>ECM Blower Motor & Blower</i> | | | | | | |
| Blower Motor Type/Speeds | | ECM2.3 Variable Speed | | | | |
| | | X13 ECM- 5 Speeds | | | | |
| Blower Motor- hp [W] | ECM 2.3 | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1 [746] | 1 [746] |
| | X13 | 1/2 [373] | 1/2 [373] | 1 [746] | 1 [746] | 1 [746] |
| Oversized Blower Motor- hp [W] | ECM 2.3 | not available | 1 [746] | 1 [746] | not available | not available |
| Blower Wheel Size (Dia x W), in. [mm] | ECM 2.3 | 9 x 7 [229 x 178] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] |
| | X13 | 9 x 7 [229 x 178] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] |
| Oversized Blower Wheel Size (Dia x W), in. [mm] | ECM 2.3 | not available | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | not available | not available |
| <i>Coax and Water Piping</i> | | | | | | |
| Water Connections Size - FPT - in [mm] | | 3/4" [19.05] | 1" [25.4] | 1" [25.4] | 1" [25.4] | 1" [25.4] |
| HWG Connection Size - Female Sweat I.D. - in [mm] (Vertical Only) | | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] |
| Coax & Piping Water Volume - gal [l] | | 0.7 [2.6] | 1.3 [4.9] | 1.6 [6.1] | 1.6 [6.1] | 2.3 [8.7] |
| <i>Vertical</i> | | | | | | |
| Air Coil Dimensions (H x W), in. [mm] | | 24 x 20 [610 x 508] | 28 x 25 [711 x 635] | 32 x 25 [813 x 635] | 36 x 25 [914 x 635] | 36 x 25 [914 x 635] |
| Air Coil Total Face Area, ft ² [m ²] | | 3.3 [0.307] | 4.9 [0.451] | 5.6 [0.520] | 6.3 [0.585] | 6.3 [0.585] |
| Air Coil Tube Size, in [mm] | | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] |
| Air Coil Number of rows | | 3 | 3 | 3 | 4 | 4 |
| Filter Standard - 1" [25mm] Pleated MERV 4 Throwaway, in [mm] | | 28 x 24 [712 x 610] | 28 x 30 [711 x 762] | 32 x 30 [813 x 762] | 36 x 30 [914 x 762] | 30 x 36 [762 x 914] |
| Filter Standard - 2" [51mm] Pleated MERV 13 Throwaway, in [mm] | | 28 x 24 [712 x 610] | 28 x 30 [711 x 762] | 32 x 30 [813 x 762] | 30 x 36 [762 x 914] | 30 x 36 [762 x 914] |
| <i>Horizontal</i> | | | | | | |
| Air Coil Dimensions (H x W), in. [mm] | | 18 x 27 [457 x 686] | 20 x 35 [508 x 889] | 20 x 40 [508 x 1016] | 20 x 45 [508 x 1143] | 20 x 45 [508 x 1143] |
| Air Coil Total Face Area, ft ² [m ²] | | 3.4 [0.316] | 4.9 [0.451] | 5.6 [0.520] | 6.3 [0.585] | 6.3 [0.585] |
| Air Coil Tube Size, in [mm] | | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] |
| Air Coil Number of rows | | 3 | 3 | 3 | 4 | 4 |
| Filter Standard - 1" [25mm] Pleated MERV 4 Throwaway, in [mm] | | 1 - 18 x 18 [457 x 457] 1 - 18 x 14 [457 x 356] | 2 - 18 x 20 [457 x 508] | 1 - 20 x 22 [508 x 559] 1 - 20 x 20 [508 x 508] | 1 - 20 x 25 [508 x 635] 1 - 20 x 22 [508 x 559] | 1 - 20 x 25 [508 x 635] 1 - 20 x 22 [508 x 559] |
| Filter Standard - 2" [51mm] Pleated MERV 13 Throwaway, in [mm] | | 1 - 18 x 32 [457 x 813] | 1 - 20 x 37 [508 x 940] | 1 - 20 x 20 [508 x 508] 1 - 20 x 22 [508 x 559] | 1 - 20 x 25 [508 x 635] 1 - 20 x 22 [508 x 559] | 1 - 20 x 25 [508 x 635] 1 - 20 x 22 [508 x 559] |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Physical Data cont.

| Model | Single Speed | | | | | | | | | | | |
|--|----------------------------|-------------------------------------|----------------------------|----------------------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|------------------------|
| | 009 | 012 | 015 | 018 | 024 | 030 | 036 | 042 | 048 | 060 | 070 | |
| Compressor (1 each) | Rotary | | | | | | Scroll | | | | | |
| Factory Charge R410A, oz [kg] | 29 [0.82] | 36 [1.02] | 42 [1.19] | 48 [1.36] | 56 [1.59] | 68 [1.93] | 84 [2.38] | 86 [2.44] | 92 [2.61] | 100 [2.83] | 128 [3.63] | |
| Factory Charge R410A, oz [kg] | 29 [0.82] | 36 [1.02] | 42 [1.19] | 42 [1.19] | 54 [1.53] | 64 [1.81] | 78 [2.21] | 84 [2.38] | 92 [2.61] | 84 [2.38] | 112 [3.18] | |
| Blower Motor & Blower | | | | | | | | | | | | |
| Blower Motor Type/ Speeds | VS ECM | Variable Speed (Constant Torque) | | | Variable Speed (Constant CFM) | | | | | | | |
| | 5 Speed ECM | Not Available | | | 5 Speeds | | | | | | | |
| | PSC | 4 Speeds | | | 3 Speeds | | | | | | | |
| Blower Motor- hp [W] | VS ECM | 1/10 [75] | 1/10 [75] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1 [746] | 1 [746] |
| | 5 Speed ECM | Not Available | | | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1/2 [373] | 1 [746] | 1 [746] | 1 [746] | 1 [746] |
| | PSC | 1/10 [75] | 1/10 [75] | 1/6 [134] | 1/6 [134] | 1/5 [149] | 1/3 [249] | 1/2 [373] | 1/2 [373] | 1 [746] | 1 [746] | 1 [746] |
| Oversized Blower Motor - hp [W] | VS ECM | Not Available | | | | 1 [746] | | 1 [746] | 1 [746] | Not Available | | |
| | PSC | Not Available | | | | 1/3 [249] | 1/2 [373] | 1/2 [373] | 3/4 [560] | 3/4 [560] | Not Availa- ble | Not Availa- ble |
| Blower Wheel Size (Dia x W), in. [mm] | VS ECM | 6 x 8 [152 x 203] | 6 x 8 [152 x 203] | 6 x 8 [152 x 203] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] |
| | 5 Speed ECM | Not Available | | | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] |
| | PSC | 6 x 8 [152 x 203] | 6 x 8 [152 x 203] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 10 x 10 [254 x 254] | 10 x 10 [254 x 254] | 10 x 10 [254 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] |
| Oversized Blower Wheel Size (Dia x W), in. [mm] | VS ECM | Not Available | | | | | | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | 11 x 10 [279 x 254] | Not Available | |
| | PSC | Not Available | | | | 9 x 7 [229 x 178] | 9 x 7 [229 x 178] | 10 x 10 [254 x 254] | 10 x 10 [254 x 254] | 10 x 10 [254 x 254] | Not Available | |
| Coax and Water Piping | | | | | | | | | | | | |
| Water Connections Size - FPT - in [mm] | 1/2" [12.7] | 1/2" [12.7] | 3/4" [19.05] | 3/4" [19.05] | 3/4" [19.05] | 3/4" [19.05] | 1" [25.4] | 1" [25.4] | 1" [25.4] | 1" [25.4] | 1" [25.4] | 1" [25.4] |
| HWG Connection Size - Female Sweat I.D. - in [mm] (Vertical Only) | Not Available | | | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] | 1/2" [12.7] |
| Coax & Piping Water Volume - gal [l] | 0.26 [0.98] | 0.3 [1.12] | 0.4 [1.49] | 0.4 [1.49] | 0.4 [1.49] | 0.75 [2.83] | 0.9 [3.41] | 0.9 [3.41] | 1.25 [4.72] | 1.5 [5.68] | 1.5 [5.68] | |
| Vertical | | | | | | | | | | | | |
| Air Coil Dimensions (H x W), in. [mm] | 12 x 16 [305 x 406] | 16 x 16 [406 x 406] | 19 x 20 [483 x 508] | 19 x 20 [483 x 508] | 24 x 20 [610 x 508] | 28 x 20 [711 x 508] | 28 x 25 [711 x 635] | 32 x 25 [813 x 635] | 32 x 25 [813 x 635] | 36 x 25 [914 x 635] | 36 x 25 [914 x 635] | |
| Air Coil Total Face Area, ft2 [m2] | 1.3 [0.121] | 1.8 [0.167] | 2.6 [0.242] | 2.6 [0.242] | 3.3 [0.307] | 3.9 [0.362] | 4.9 [0.455] | 5.6 [0.520] | 5.6 [0.520] | 6.3 [0.585] | 6.3 [0.585] | |
| Air Coil Tube Size, in [mm] | 5/16 [7.9] | 3/8 [9.5] | 5/16 [7.9] | 5/16 [7.9] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | |
| Air Coil Number of rows | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | |
| Filter Standard - 1" [25mm] Pleated MERV 4 Throwaway, in [mm] | 1 - 16 x 20 [406 x 508] | 1 - 16 x 20 [406 x 508] | 1 - 24 x 24 [610 x 610] | 1 - 24 x 24 [610 x 610] | 28 x 24 [712 x 610] | 28 x 24 [712 x 610] | 28 x 30 [712 x 762] | 32 x 30 [813 x 762] | 32 x 30 [813 x 762] | 30 x 36 [762 x 914] | 30 x 36 [762 x 914] | |
| Filter Standard - 2" [51mm] Pleated MERV 13 Throwaway, in [mm] | 1 - 16 x 20 [406 x 508] | 1 - 16 x 20 [406 x 508] | 1 - 24 x 24 [610 x 610] | 1 - 24 x 24 [610 x 610] | 28 x 24 [712 x 610] | 28 x 24 [712 x 610] | 28 x 30 [712 x 762] | 32 x 30 [813 x 762] | 32 x 30 [813 x 762] | 30 x 36 [762 x 914] | 30 x 36 [762 x 914] | |
| Horizontal | | | | | | | | | | | | |
| Air Coil Dimensions (H x W), in. [mm] | 12 x 16 [305 x 406] | 16 x 16 [406 x 406] | 18 x 21 [457 x 533] | 18 x 21 [457 x 533] | 18 x 27 [457 x 686] | 18 x 30 [457 x 762] | 20 x 35 [508 x 889] | 20 x 40 [508 x 1016] | 20 x 40 [508 x 1016] | 20 x 45 [508 x 1143] | 20 x 45 [508 x 1143] | |
| Air Coil Total Face Area, ft2 [m2] | 1.3 [0.121] | 1.8 [0.167] | 2.6 [0.242] | 2.6 [0.242] | 3.4 [0.316] | 3.8 [0.353] | 4.9 [0.455] | 5.6 [0.520] | 5.6 [0.520] | 6.3 [0.585] | 6.3 [0.585] | |
| Air Coil Tube Size, in [mm] | 5/16 [7.9] | 3/8 [9.5] | 5/16 [7.9] | 5/16 [7.9] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | 3/8 [9.5] | |
| Air Coil Number of rows | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| Filter Standard - 1" [25mm] Pleated MERV 4 Throwaway, in [mm] | 1 - 16 x 18 [406 x 508] | 1 - 16 x 18 [406 x 508] | 2 - 18 x 14 [457 x 356] | 2 - 18 x 14 [457 x 356] | 1 - 18 x 18 [457 x 457] | 1 - 18 x 18 [457 x 457] | 2 - 18 x 20 [457 x 508] | 1 - 20 x 20 [508 x 508] | 1 - 20 x 20 [508 x 508] | 1 - 20 x 25 [508 x 635] | 1 - 20 x 25 [508 x 635] | |
| Filter Standard - 2" [51mm] Pleated MERV 13 Throwaway, in [mm] | 1 - 16 x 18 [406 x 508] | 1 - 16 x 18 [406 x 508] | 1 - 18 x 29 [457 x 737] | 1 - 18 x 29 [457 x 737] | 1 - 18 x 32 [457 x 813] | 1 - 18 x 32 [457 x 813] | 1 - 20 x 37 [686 x 940] | 1 - 20 x 20 [508 x 508] | 1 - 20 x 20 [508 x 508] | 1 - 20 x 25 [508 x 635] | 1 - 20 x 25 [508 x 635] | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____



Electrical Availability

PSC

| Voltage | Static Option | Single Speed Models | | | | | | | | | | Dual Capacity Models | | | | | |
|------------------------------------|---------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|
| | | 009 | 012 | 015 | 018 | 024 | 030 | 036 | 042 | 048 | 060 | 070 | 026 | 038 | 049 | 064 | 072 |
| 208-230/60/1 | Standard | • | • | • | • | • | • | • | • | • | • | | | | | | |
| 208-230/60/1 w/IntelliStart | | | | | • | • | • | • | • | • | • | | | | | | |
| 265/60/1 | | • | • | • | • | • | • | • | | | | | | | | | |
| 208-230/60/3 (also w/IntelliStart) | | | | | | • | • | • | • | • | • | | | | | | |
| 460/60/3 (also w/IntelliStart) | | | | | | • | • | • | • | • | • | | | | | | |
| 575/60/3 | | | | | | | | | • | | • | • | | | | | |
| 208-230/60/1 (also w/IntelliStart) | High | | | | | • | • | • | • | • | | | | | | | |
| 265/60/1 | | | | | | • | • | | | | | | | | | | |
| 208-230/60/3 (also w/IntelliStart) | | | | | | • | • | • | • | • | | | | | | | |
| 460/60/3 (also w/IntelliStart) | | | | | | • | • | • | • | • | | | | | | | |
| 575/60/3 | | | | | | | | | • | • | | | | | | | |

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5-Speed ECM

| Voltage | Static Option | Single Speed Models | | | | | | | | | Dual Capacity Models | | | | |
|------------------------------------|---------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|
| | | 015 | 018 | 024 | 030 | 036 | 042 | 048 | 060 | 070 | 026 | 038 | 049 | 064 | 072 |
| 208-230/60/1 | Standard | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 208-230/60/1 w/IntelliStart | | | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 265/60/1 | | • | • | • | • | • | • | | | | | • | • | | |
| 208-230/60/3 (also w/IntelliStart) | | | | | • | • | • | • | • | • | • | • | • | • | • |
| 460/60/3 (also w/IntelliStart) | | | | | • | • | • | • | • | • | • | • | • | • | • |
| 575/60/3 | | | | | | | | | | | | | | | |

1/2/13

VS ECM

| Voltage | Static Option | Single Speed Models | | | | | | | | | | Dual Capacity Models | | | | | |
|------------------------------------|---------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------------|-----|-----|-----|-----|-----|
| | | 009 | 012 | 015 | 018 | 024 | 030 | 036 | 042 | 048 | 060 | 070 | 026 | 038 | 049 | 064 | 072 |
| 208-230/60/1 | Standard | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 208-230/60/1 w/IntelliStart | | | | | • | • | • | • | • | • | • | • | • | • | • | • | • |
| 265/60/1 | | • | • | • | • | • | • | • | | | | | • | • | | | |
| 208-230/60/3 (also w/IntelliStart) | | | | | | • | • | • | • | • | • | • | • | • | • | • | • |
| 460/60/3 (also w/IntelliStart) | | | | | | • | • | • | • | • | • | • | • | • | • | • | • |
| 575/60/3 | | | | | | | | | | | | | | | | | |
| 208-230/60/1 | High | | | | | | | • | • | • | | | • | • | | | |
| 265/60/1 | | | | | | | | • | | | | | • | | | | |
| 208-230/60/3 (also w/IntelliStart) | | | | | | | | • | • | • | | | • | • | | | |
| 460/60/3 (also w/IntelliStart) | | | | | | | | • | • | • | | | • | • | | | |
| 575/60/3 | | | | | | | | | | | | | | | | | |

5/18/18

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



Electrical Data

PSC Motor

| Model | Rated Voltage | Voltage Min/Max | Compressor | | | | Blower Motor FLA | Total Unit FLA | Min Circ Amp | Max Fuse/HACR Breaker |
|-------|---------------|-----------------|------------|------|-------|-------|------------------|----------------|--------------|-----------------------|
| | | | MCC | RLA | LRA | LRA** | | | | |
| 009 | 208-230/60/1 | 187/253 | 6.4 | 4.1 | 21.0 | n/a | 0.6 | 4.7 | 5.7 | 10/15 |
| | 265/60/1 | 238/292 | 6.7 | 4.3 | 22.0 | n/a | 0.6 | 4.9 | 6.0 | 10/15 |
| 012 | 208-230/60/1 | 187/253 | 7.7 | 4.9 | 25.0 | n/a | 0.6 | 5.5 | 6.7 | 10/15 |
| | 265/60/1 | 238/292 | 7.0 | 4.5 | 22.0 | n/a | 0.6 | 5.1 | 6.2 | 10/15 |
| 015 | 208-230/60/1 | 187/253 | 9.7 | 6.2 | 29.0 | n/a | 1.1 | 7.3 | 8.9 | 15 |
| | 265/60/1 | 238/292 | 7.8 | 5.0 | 28.0 | n/a | 1.0 | 6.0 | 7.3 | 10/15 |
| 018 | 208-230/60/1 | 187/253 | 13.1 | 8.4 | 33.5 | 13.4 | 1.1 | 9.5 | 11.6 | 20 |
| | 265/60/1 | 238/292 | 8.7 | 5.6 | 28.0 | n/a | 1.0 | 6.6 | 8.0 | 10/15 |
| 024 | 208-230/60/1 | 187/253 | 21.0 | 13.5 | 58.3 | 23.3 | 1.2 | 14.7 | 18.1 | 25 |
| | 265/60/1 | 238/292 | 14.0 | 9.0 | 54.0 | n/a | 1.1 | 10.1 | 12.4 | 20 |
| | 208-230/60/3 | 187/253 | 11.0 | 7.1 | 55.4 | 33.2 | 1.2 | 8.3 | 10.1 | 15 |
| | 460/60/3 | 414/506 | 5.5 | 3.5 | 28.0 | 16.8 | 0.6 | 4.1 | 5.0 | 10/15 |
| 024* | 208-230/60/1 | 187/253 | 21.0 | 13.5 | 58.3 | 23.3 | 1.5 | 15.0 | 18.4 | 30 |
| | 265/60/1 | 238/292 | 14.0 | 9.0 | 54.0 | n/a | 1.5 | 10.5 | 12.8 | 20 |
| | 208-230/60/3 | 187/253 | 11.0 | 7.1 | 55.4 | 33.2 | 1.5 | 8.6 | 10.4 | 15 |
| | 460/60/3 | 414/506 | 5.5 | 3.5 | 28.0 | 16.8 | 1.0 | 4.5 | 5.4 | 10/15 |
| 030 | 208-230/60/1 | 187/253 | 20.0 | 12.8 | 58.0 | 23.2 | 1.5 | 14.3 | 17.5 | 30 |
| | 265/60/1 | 238/292 | 15.0 | 9.6 | 54.0 | n/a | 1.5 | 11.1 | 13.5 | 20 |
| | 208-230/60/3 | 187/253 | 12.0 | 7.7 | 55.4 | 33.2 | 1.5 | 9.2 | 11.1 | 15 |
| | 460/60/3 | 414/506 | 5.6 | 3.6 | 28.0 | 16.8 | 1.0 | 4.6 | 5.5 | 10/15 |
| 030* | 208-230/60/1 | 187/253 | 20.0 | 12.8 | 58.0 | 23.2 | 2.8 | 15.6 | 18.8 | 30 |
| | 265/60/1 | 238/292 | 15.0 | 9.6 | 54.0 | n/a | 2.0 | 11.6 | 14.0 | 20 |
| | 208-230/60/3 | 187/253 | 12.0 | 7.7 | 55.4 | 33.2 | 2.2 | 9.9 | 11.8 | 15 |
| | 460/60/3 | 414/506 | 5.6 | 3.6 | 28.0 | 16.8 | 1.1 | 4.7 | 5.6 | 10/15 |
| 036 | 208-230/60/1 | 187/253 | 22.0 | 14.1 | 73.0 | 29.2 | 2.8 | 16.9 | 20.4 | 30 |
| | 265/60/1 | 238/292 | 17.5 | 11.2 | 60.0 | n/a | 2.0 | 13.2 | 16.0 | 25 |
| | 208-230/60/3 | 187/253 | 13.9 | 8.9 | 58.0 | 34.8 | 2.8 | 11.7 | 13.9 | 20 |
| | 460/60/3 | 414/506 | 6.5 | 4.2 | 28.0 | 16.8 | 1.4 | 5.6 | 6.7 | 10/15 |
| 036* | 208-230/60/1 | 187/253 | 22.0 | 14.1 | 73.0 | 29.2 | 3.5 | 17.6 | 21.1 | 35 |
| | 265/60/1 | 238/292 | 17.5 | 11.2 | 60.0 | n/a | 3.5 | 14.7 | 17.5 | 25 |
| | 208-230/60/3 | 187/253 | 13.9 | 8.9 | 58.0 | 34.8 | 1.8 | 10.7 | 12.9 | 20 |
| | 460/60/3 | 414/506 | 6.5 | 4.2 | 28.0 | 16.8 | 1.8 | 5.6 | 6.7 | 10/15 |
| 042 | 208-230/60/1 | 187/253 | 26.0 | 16.7 | 79.0 | 31.6 | 3.5 | 20.2 | 24.4 | 40 |
| | 208-230/60/3 | 187/253 | 16.3 | 10.4 | 73.0 | 43.8 | 3.5 | 13.9 | 16.5 | 25 |
| | 460/60/3 | 414/506 | 9.0 | 5.8 | 38.0 | 22.8 | 1.8 | 7.6 | 9.0 | 10/15 |
| | 575/60/3 | 517/633 | 5.9 | 3.8 | 36.5 | n/a | 1.4 | 5.2 | 6.1 | 10/15 |
| 042* | 208-230/60/1 | 187/253 | 26.0 | 16.7 | 79.0 | 31.6 | 4.6 | 21.3 | 25.5 | 40 |
| | 208-230/60/3 | 187/253 | 16.3 | 10.4 | 73.0 | 43.8 | 4.6 | 15.0 | 17.6 | 25 |
| | 460/60/3 | 414/506 | 9.0 | 5.8 | 38.0 | 22.8 | 2.3 | 8.1 | 9.5 | 15 |
| | 575/60/3 | 517/633 | 5.9 | 3.8 | 36.5 | n/a | 1.9 | 5.7 | 6.6 | 10/15 |
| 048 | 208-230/60/1 | 187/253 | 31.0 | 19.9 | 109.0 | 43.6 | 3.5 | 23.4 | 28.4 | 45 |
| | 208-230/60/3 | 187/253 | 21.2 | 13.6 | 83.1 | 49.9 | 3.5 | 17.1 | 20.5 | 30 |
| | 460/60/3 | 414/506 | 9.5 | 6.1 | 41.0 | 24.6 | 1.8 | 7.9 | 9.4 | 15 |
| | 575/60/3 | 517/633 | 6.5 | 4.2 | 33.0 | n/a | 1.4 | 5.6 | 6.7 | 10/15 |
| 048* | 208-230/60/1 | 187/253 | 31.0 | 19.9 | 109.0 | 43.6 | 4.6 | 24.5 | 29.5 | 45 |
| | 208-230/60/3 | 187/253 | 21.2 | 13.6 | 83.1 | 49.9 | 4.6 | 18.2 | 21.6 | 35 |
| | 460/60/3 | 414/506 | 9.5 | 6.1 | 41.0 | 24.6 | 2.3 | 8.4 | 9.9 | 15 |
| | 575/60/3 | 517/633 | 6.5 | 4.2 | 33.0 | n/a | 1.9 | 6.1 | 7.2 | 10/15 |
| 060 | 208-230/60/1 | 187/253 | 41.2 | 26.4 | 134.0 | 53.6 | 5.9 | 32.3 | 38.9 | 60 |
| | 208-230/60/3 | 187/253 | 24.9 | 16.0 | 110.0 | 66.0 | 5.9 | 21.9 | 25.9 | 40 |
| | 460/60/3 | 414/506 | 12.1 | 7.8 | 52.0 | 31.2 | 3.0 | 10.8 | 12.8 | 20 |
| | 575/60/3 | 517/633 | 8.9 | 5.7 | 38.9 | n/a | 1.9 | 7.6 | 9.0 | 10/15 |
| 070 | 208-230/60/1 | 187/253 | 44.2 | 28.3 | 178.0 | 71.2 | 5.9 | 34.2 | 41.3 | 70 |
| | 208-230/60/3 | 187/253 | 30.0 | 19.2 | 136.0 | 81.6 | 5.9 | 25.1 | 29.9 | 45 |
| | 460/60/3 | 414/506 | 13.6 | 8.7 | 66.1 | 39.7 | 3.0 | 11.7 | 13.9 | 20 |
| | 575/60/3 | 517/633 | 10.7 | 6.9 | 55.3 | n/a | 1.9 | 8.8 | 10.5 | 15 |

8/06/13

HACR circuit breaker in USA only
 *With optional High-static PSC motor
 **With optional IntelliStart

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



Electrical Data cont.

5-Speed ECM Motor

| Model | Rated Voltage | Voltage Min/Max | Compressor | | | | Blower Motor FLA | Total Unit FLA | Min Circ Amp | Max Fuse/HACR Breaker | |
|---------------|---------------|-----------------|------------|---------|-------|-------|------------------|----------------|--------------|-----------------------|-------|
| | | | MCC | RLA | LRA | LRA** | | | | | |
| Single Speed | 015 | 208-230/60/1 | 187/253 | 9.7 | 6.2 | 29.0 | n/a | 4.1 | 10.3 | 11.9 | 15 |
| | | 265/60/1 | 238/292 | 7.8 | 5.0 | 28.0 | n/a | 3.6 | 8.6 | 9.9 | 10/15 |
| | 018 | 208-230/60/1 | 187/253 | 13.1 | 8.4 | 33.5 | 13.4 | 4.1 | 12.5 | 14.6 | 20 |
| | | 265/60/1 | 238/292 | 8.7 | 5.6 | 28.0 | n/a | 3.6 | 9.2 | 10.6 | 15 |
| | 024 | 208-230/60/1 | 187/253 | 21.0 | 13.5 | 58.3 | 23.3 | 4.1 | 17.6 | 21.0 | 30 |
| | | 265/60/1 | 238/292 | 14.0 | 9.0 | 54.0 | n/a | 3.6 | 12.6 | 14.9 | 20 |
| | | 208-230/60/3 | 187/253 | 11.0 | 7.1 | 55.4 | 33.2 | 4.1 | 11.2 | 13.0 | 20 |
| | 030 | 460/60/3 | 414/506 | 5.5 | 3.5 | 28.0 | 16.8 | 2.1 | 5.6 | 6.5 | 10/15 |
| | | 208-230/60/1 | 187/253 | 20.0 | 12.8 | 58.0 | 23.2 | 4.1 | 16.9 | 20.1 | 30 |
| | | 265/60/1 | 238/292 | 15.0 | 9.6 | 54.0 | n/a | 3.6 | 13.2 | 15.6 | 25 |
| | | 208-230/60/3 | 187/253 | 12.0 | 7.7 | 55.4 | 33.2 | 4.1 | 11.8 | 13.7 | 20 |
| | 036 | 460/60/3 | 414/506 | 5.6 | 3.6 | 28.0 | 16.8 | 2.1 | 5.7 | 6.6 | 10/15 |
| | | 208-230/60/1 | 187/253 | 22.0 | 14.1 | 73.0 | 29.2 | 4.1 | 18.2 | 21.7 | 35 |
| | | 265/60/1 | 238/292 | 17.5 | 11.2 | 60.0 | n/a | 3.6 | 14.8 | 17.6 | 25 |
| | | 208-230/60/3 | 187/253 | 13.9 | 8.9 | 58.0 | 34.8 | 4.1 | 13.0 | 15.2 | 20 |
| | 042 | 460/60/3 | 414/506 | 6.5 | 4.2 | 28.0 | 16.8 | 2.1 | 6.3 | 7.4 | 10/15 |
| | | 208-230/60/1 | 187/253 | 26.0 | 16.7 | 79.0 | 31.6 | 7.6 | 24.3 | 28.5 | 45 |
| | | 208-230/60/3 | 187/253 | 16.3 | 10.4 | 73.0 | 43.8 | 7.6 | 18.0 | 20.6 | 30 |
| 048 | 460/60/3 | 414/506 | 9.0 | 5.8 | 38.0 | 22.8 | 4.0 | 9.8 | 11.2 | 15 | |
| | 208-230/60/1 | 187/253 | 31.0 | 19.9 | 109.0 | 43.6 | 7.6 | 27.5 | 32.5 | 50 | |
| | 208-230/60/3 | 187/253 | 21.2 | 13.6 | 83.1 | 49.9 | 7.6 | 21.2 | 24.6 | 35 | |
| 060 | 460/60/3 | 414/506 | 9.5 | 6.1 | 41.0 | 24.6 | 4.0 | 10.1 | 11.6 | 15 | |
| | 208-230/60/1 | 187/253 | 41.2 | 26.4 | 134.0 | 53.6 | 7.6 | 34.0 | 40.6 | 60 | |
| | 208-230/60/3 | 187/253 | 24.9 | 16.0 | 110.0 | 66.0 | 7.6 | 23.6 | 27.6 | 40 | |
| 070 | 460/60/3 | 414/506 | 12.1 | 7.8 | 52.0 | 31.2 | 4.0 | 11.8 | 13.8 | 20 | |
| | 208-230/60/1 | 187/253 | 44.2 | 28.3 | 178.0 | 71.2 | 7.6 | 35.9 | 43.0 | 70 | |
| | 208-230/60/3 | 187/253 | 30.0 | 19.2 | 136.0 | 81.6 | 7.6 | 26.8 | 31.6 | 50 | |
| Dual Capacity | 026 | 460/60/3 | 414/506 | 13.6 | 8.7 | 66.1 | 39.7 | 4.0 | 12.7 | 14.9 | 20 |
| | | 208-230/60/1 | 187/253 | 18.2 | 11.7 | 58.3 | 23.3 | 4.1 | 15.8 | 18.7 | 30 |
| | | 265/60/1 | 238/292 | 14.2 | 9.1 | 54.0 | n/a | 3.6 | 12.7 | 15.0 | 20 |
| | | 208-230/60/3 | 187/253 | 10.1 | 6.5 | 55.4 | 33.2 | 4.1 | 10.6 | 12.2 | 15 |
| | 038 | 460/60/3 | 414/506 | 5.4 | 3.5 | 28.0 | 16.8 | 2.1 | 5.6 | 6.4 | 10/15 |
| | | 208-230/60/1 | 187/253 | 23.8 | 15.3 | 83.0 | 33.2 | 4.1 | 19.4 | 23.2 | 35 |
| | | 265/60/1 | 238/292 | 20.3 | 13.0 | 72.0 | n/a | 3.6 | 16.6 | 19.9 | 30 |
| | | 208-230/60/3 | 187/253 | 18.1 | 11.6 | 73.0 | 43.8 | 4.1 | 15.7 | 18.6 | 30 |
| | 049 | 460/60/3 | 414/506 | 8.9 | 5.7 | 38.0 | 22.8 | 2.1 | 7.8 | 9.2 | 10/15 |
| | | 208-230/60/1 | 187/253 | 33.0 | 21.1 | 104.0 | 41.6 | 7.6 | 28.7 | 34.0 | 50 |
| | | 208-230/60/3 | 187/253 | 21.9 | 14.0 | 83.1 | 49.9 | 7.6 | 21.6 | 25.1 | 35 |
| | 064 | 460/60/3 | 414/506 | 10.0 | 6.4 | 41.0 | 24.6 | 4.0 | 10.4 | 12.0 | 15 |
| | | 208-230/60/1 | 187/253 | 42.3 | 27.1 | 152.9 | 61.2 | 7.6 | 34.7 | 41.5 | 60 |
| | | 208-230/60/3 | 187/253 | 25.8 | 16.5 | 110.0 | 66.0 | 7.6 | 24.1 | 28.2 | 40 |
| | 072 | 460/60/3 | 414/506 | 11.3 | 7.2 | 52.0 | 31.2 | 4.0 | 11.2 | 13.0 | 20 |
| | | 208-230/60/1 | 187/253 | 46.3 | 29.7 | 179.2 | 71.7 | 7.6 | 37.3 | 44.7 | 70 |
| | | 208-230/60/3 | 187/253 | 27.4 | 17.6 | 136.0 | 81.6 | 7.6 | 25.2 | 29.6 | 45 |
| | | | 460/60/3 | 414/506 | 13.2 | 8.5 | 66.1 | 39.7 | 4.0 | 12.5 | 14.6 |

5/21/13

HACR circuit breaker in USA only

**With optional IntelliStart

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Electrical Data cont.

Variable Speed ECM Motor

| Model | Rated Voltage | Voltage Min/Max | Compressor | | | | Blower Motor FLA | Total Unit FLA | Min Circ Amp | Max Fuse/HACR Breaker | |
|--------------|---------------|-----------------|------------|------|-------|-------|------------------|----------------|--------------|-----------------------|-------|
| | | | MCC | RLA | LRA | LRA** | | | | | |
| Single Speed | 009 | 208-230/60/1 | 187/253 | 6.4 | 4.1 | 21.0 | n/a | 0.94 | 5.04 | 6.1 | 10/15 |
| | | 265/60/1 | 238/292 | 6.7 | 4.3 | 22.0 | n/a | 0.94 | 5.24 | 6.3 | 10/15 |
| | 012 | 208-230/60/1 | 187/253 | 7.7 | 4.9 | 25.0 | n/a | 0.94 | 5.84 | 7.1 | 10/15 |
| | | 265/60/1 | 238/292 | 7.0 | 4.5 | 22.0 | n/a | 0.94 | 5.42 | 6.5 | 10/15 |
| | 015 | 208-230/60/1 | 187/253 | 9.7 | 6.2 | 29.0 | n/a | 4.0 | 10.2 | 11.8 | 15 |
| | | 265/60/1 | 238/292 | 7.8 | 5.0 | 28.0 | n/a | 4.1 | 9.1 | 10.4 | 15 |
| | 018 | 208-230/60/1 | 187/253 | 13.1 | 8.4 | 33.5 | 13.4 | 4.0 | 12.4 | 14.5 | 20 |
| | | 265/60/1 | 238/292 | 8.7 | 5.6 | 28.0 | n/a | 4.1 | 9.7 | 11.1 | 15 |
| | 024 | 208-230/60/1 | 187/253 | 21.0 | 13.5 | 58.3 | 23.3 | 4.0 | 17.5 | 20.9 | 30 |
| | | 265/60/1 | 238/292 | 14.0 | 9.0 | 54.0 | n/a | 4.1 | 13.1 | 15.4 | 20 |
| | | 208-230/60/3 | 187/253 | 11.0 | 7.1 | 55.4 | 33.2 | 4.0 | 11.1 | 12.9 | 20 |
| | 030 | 460/60/3 | 414/506 | 5.5 | 3.5 | 28.0 | 16.8 | 4.1 | 7.6 | 8.5 | 10/15 |
| | | 208-230/60/1 | 187/253 | 20.0 | 12.8 | 58.0 | 23.2 | 4.0 | 16.8 | 20.0 | 30 |
| | | 265/60/1 | 238/292 | 15.0 | 9.6 | 54.0 | n/a | 4.1 | 13.7 | 16.1 | 25 |
| | 036 | 208-230/60/3 | 187/253 | 12.0 | 7.7 | 55.4 | 33.2 | 4.0 | 11.7 | 13.6 | 20 |
| | | 460/60/3 | 414/506 | 5.6 | 3.6 | 28.0 | 16.8 | 4.1 | 7.7 | 8.6 | 10/15 |
| | | 208-230/60/1 | 187/253 | 22.0 | 14.1 | 73.0 | 29.2 | 4.0 | 18.1 | 21.6 | 35 |
| | 036* | 265/60/1 | 238/292 | 17.5 | 11.2 | 60.0 | n/a | 4.1 | 15.3 | 18.1 | 25 |
| | | 208-230/60/3 | 187/253 | 13.9 | 8.9 | 58.0 | 34.8 | 4.0 | 12.9 | 15.1 | 20 |
| | | 460/60/3 | 414/506 | 6.5 | 4.2 | 28.0 | 16.8 | 4.1 | 8.3 | 9.4 | 10/15 |
| | 042 | 208-230/60/1 | 187/253 | 22.0 | 14.1 | 73.0 | 29.2 | 4.0 | 21.1 | 24.6 | 35 |
| | | 265/60/1 | 238/292 | 17.5 | 11.2 | 60.0 | n/a | 6.9 | 18.1 | 20.9 | 30 |
| | | 208-230/60/3 | 187/253 | 13.9 | 8.9 | 58.0 | 34.8 | 7.0 | 15.9 | 18.1 | 25 |
| | 042* | 460/60/3 | 414/506 | 6.5 | 4.2 | 28.0 | 16.8 | 6.9 | 11.1 | 12.2 | 15 |
| | | 208-230/60/1 | 187/253 | 26.0 | 16.7 | 79.0 | 31.6 | 4.0 | 20.7 | 24.9 | 40 |
| | | 208-230/60/3 | 187/253 | 16.3 | 10.4 | 73.0 | 43.8 | 4.0 | 14.4 | 17.0 | 25 |
| | 048 | 460/60/3 | 414/506 | 9.0 | 5.8 | 38.0 | 22.8 | 4.1 | 9.9 | 11.3 | 15 |
| | | 208-230/60/1 | 187/253 | 26.0 | 16.6 | 79.0 | 31.6 | 7.0 | 23.6 | 27.8 | 40 |
| | | 208-230/60/3 | 187/253 | 16.3 | 10.4 | 73.0 | 43.8 | 7.0 | 17.4 | 20.0 | 30 |
| | 048* | 460/60/3 | 414/506 | 9.0 | 5.8 | 38.0 | 22.8 | 6.9 | 12.7 | 14.1 | 15 |
| 208-230/60/1 | | 187/253 | 31.0 | 19.9 | 109.0 | 43.6 | 4.0 | 23.9 | 28.9 | 45 | |
| 208-230/60/3 | | 187/253 | 21.2 | 13.6 | 83.1 | 49.9 | 4.0 | 17.6 | 21.0 | 30 | |
| 048* | 460/60/3 | 414/506 | 9.5 | 6.1 | 41.0 | 24.6 | 4.1 | 10.2 | 11.7 | 15 | |
| | 208-230/60/1 | 187/253 | 31.0 | 19.9 | 109.0 | 43.6 | 7.0 | 26.9 | 31.9 | 50 | |
| | 208-230/60/3 | 187/253 | 21.2 | 13.6 | 83.1 | 49.9 | 7.0 | 20.6 | 24.0 | 35 | |
| 060 | 460/60/3 | 414/506 | 9.5 | 6.1 | 41.0 | 24.6 | 6.9 | 13.0 | 14.5 | 20 | |
| | 208-230/60/1 | 187/253 | 41.2 | 26.4 | 134.0 | 53.6 | 7.0 | 33.4 | 40.0 | 60 | |
| | 208-230/60/3 | 187/253 | 24.9 | 16.0 | 110.0 | 66.0 | 7.0 | 23.0 | 27.0 | 40 | |
| 070 | 460/60/3 | 414/506 | 12.1 | 7.8 | 52.0 | 31.2 | 6.9 | 14.7 | 16.7 | 20 | |
| | 208-230/60/1 | 187/253 | 44.2 | 28.3 | 178.0 | 71.2 | 7.0 | 35.3 | 42.4 | 70 | |
| | 208-230/60/3 | 187/253 | 30.0 | 19.2 | 136.0 | 81.6 | 7.0 | 26.2 | 31.0 | 50 | |
| 026 | 460/60/3 | 414/506 | 13.6 | 8.7 | 66.1 | 39.7 | 6.9 | 15.6 | 17.8 | 25 | |
| | 208-230/60/1 | 187/253 | 18.2 | 11.7 | 58.3 | 23.3 | 4.0 | 15.7 | 18.6 | 30 | |
| | 265/60/1 | 238/292 | 14.2 | 9.1 | 54.0 | n/a | 4.1 | 13.2 | 15.5 | 20 | |
| 038 | 208-230/60/3 | 187/253 | 10.1 | 6.5 | 55.4 | 33.2 | 4.0 | 10.5 | 12.1 | 15 | |
| | 460/60/3 | 414/506 | 5.4 | 3.5 | 28.0 | 16.8 | 4.1 | 7.6 | 8.4 | 10/15 | |
| | 208-230/60/1 | 187/253 | 23.8 | 15.3 | 83.0 | 33.2 | 4.0 | 19.3 | 23.1 | 35 | |
| 038* | 265/60/1 | 238/292 | 20.3 | 13.0 | 72.0 | n/a | 4.1 | 17.1 | 20.4 | 30 | |
| | 208-230/60/3 | 187/253 | 18.1 | 11.6 | 73.0 | 43.8 | 4.0 | 15.6 | 18.5 | 30 | |
| | 460/60/3 | 414/506 | 8.9 | 5.7 | 38.0 | 22.8 | 4.1 | 9.8 | 11.2 | 15 | |
| 049 | 208-230/60/1 | 187/253 | 23.8 | 15.3 | 83.0 | 33.2 | 7.0 | 22.3 | 26.1 | 40 | |
| | 265/60/1 | 238/292 | 20.3 | 13.0 | 72.0 | n/a | 7.0 | 20.0 | 23.3 | 35 | |
| | 208-230/60/3 | 187/253 | 18.1 | 11.6 | 73.0 | 43.8 | 7.0 | 18.6 | 21.5 | 30 | |
| 049* | 460/60/3 | 414/506 | 8.9 | 5.7 | 38.0 | 22.8 | 6.9 | 12.6 | 14.0 | 15 | |
| | 208-230/60/1 | 187/253 | 33.0 | 21.1 | 104.0 | 41.6 | 4.0 | 25.1 | 30.4 | 50 | |
| | 208-230/60/3 | 187/253 | 21.9 | 14.0 | 83.1 | 49.9 | 4.0 | 18.0 | 21.5 | 35 | |
| 064 | 460/60/3 | 414/506 | 10.0 | 6.4 | 41.0 | 24.6 | 4.1 | 10.5 | 12.1 | 15 | |
| | 208-230/60/1 | 187/253 | 33.0 | 21.1 | 104.0 | 41.6 | 7.0 | 28.1 | 33.4 | 50 | |
| | 208-230/60/3 | 187/253 | 21.9 | 14.0 | 83.1 | 49.9 | 7.0 | 21.0 | 24.5 | 35 | |
| 072 | 460/60/3 | 414/506 | 10.0 | 6.4 | 41.0 | 24.6 | 6.9 | 13.3 | 14.9 | 20 | |
| | 208-230/60/1 | 187/253 | 42.3 | 27.1 | 152.9 | 61.2 | 7.0 | 34.1 | 40.9 | 60 | |
| | 208-230/60/3 | 187/253 | 25.8 | 16.5 | 110.0 | 66.0 | 7.0 | 23.5 | 27.6 | 40 | |
| 072 | 460/60/3 | 414/506 | 11.3 | 7.2 | 52.0 | 31.2 | 6.9 | 14.1 | 15.9 | 20 | |
| | 208-230/60/1 | 187/253 | 46.3 | 29.7 | 179.2 | 71.7 | 7.0 | 36.7 | 44.1 | 70 | |
| | 208-230/60/3 | 187/253 | 27.4 | 17.6 | 136.0 | 81.6 | 7.0 | 24.6 | 29.0 | 45 | |
| | | | | | | | | | | | 25 |

HACR circuit breaker in USA only
*With optional 1 HP ECM motor
**With optional IntelliStart

5/18/2018



CAUTION: When installing a unit with a variable speed ECM blower motor in 460/60/3 voltage, a neutral wire is required to allow proper unit operation.

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



Blower Performance Data

Standard PSC Motor

| Model | Blower Spd | Blower Size | Motor HP | Airflow (cfm) at External Static Pressure (in. wg) | | | | | | | | | | | | | | | |
|-------|------------|-------------|----------|--|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|
| | | | | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 |
| 009 | H | 6 x 8 | 1/10 | 480 | 450 | 440 | 420 | 410 | 380 | 360 | 340 | 330 | 310 | 300 | - | - | - | - | |
| | MH | | | 440 | 410 | 400 | 380 | 370 | 350 | 330 | 310 | 300 | 280 | 270 | - | - | - | - | |
| | ML* | | | 395 | 370 | 360 | 340 | 330 | 310 | 290 | 280 | 270 | 250 | 240 | - | - | - | - | |
| | L | | | 325 | 310 | 300 | 280 | 270 | 250 | 240 | 230 | 220 | 210 | 200 | - | - | - | - | |
| 012 | H | 6 x 8 | 1/10 | 480 | 450 | 440 | 420 | 410 | 380 | 360 | 340 | 330 | 310 | 300 | - | - | - | - | |
| | MH* | | | 440 | 410 | 400 | 380 | 370 | 350 | 330 | 310 | 300 | 280 | 270 | - | - | - | - | |
| | ML | | | 395 | 370 | 360 | 340 | 330 | 310 | 290 | 280 | 270 | 250 | 240 | - | - | - | - | |
| | L | | | 325 | 310 | 300 | 280 | 270 | 250 | 240 | 230 | 220 | 210 | 200 | - | - | - | - | |
| 015 | H | 9 x 7 | 1/6 | 845 | 835 | 825 | 815 | 800 | 790 | 775 | 755 | 735 | 710 | 680 | 565 | - | - | - | |
| | M | | | 735 | 730 | 725 | 715 | 705 | 700 | 690 | 675 | 660 | 630 | 600 | 485 | - | - | - | |
| | L | | | 620 | 615 | 610 | 605 | 600 | 590 | 580 | 565 | 550 | 520 | 490 | - | - | - | - | |
| 018 | H | 9 x 7 | 1/6 | 845 | 835 | 825 | 815 | 800 | 790 | 775 | 755 | 735 | 710 | 680 | 565 | - | - | - | |
| | M | | | 735 | 730 | 725 | 715 | 705 | 700 | 690 | 675 | 660 | 630 | 600 | 485 | - | - | - | |
| | L | | | 620 | 615 | 610 | 605 | 600 | 590 | 580 | 565 | 550 | 520 | 490 | - | - | - | - | |
| 024 | H | 9 x 7 | 1/5 | 1085 | 1055 | 1030 | 1005 | 980 | 950 | 925 | 895 | 870 | 830 | 795 | 735 | 555 | - | - | |
| | M | | | 915 | 895 | 875 | 855 | 835 | 815 | 795 | 765 | 735 | 705 | 675 | 590 | 520 | - | - | |
| | L | | | 845 | 830 | 815 | 795 | 775 | 750 | 725 | 702.5 | 680 | 650 | 625 | 505 | - | - | - | |
| 030 | H | 9 x 7 | 1/3 | 1290 | 1270 | 1245 | 1220 | 1190 | 1160 | 1125 | 1090 | 1055 | 1020 | 985 | 880 | 760 | - | - | |
| | M | | | 1100 | 1090 | 1075 | 1060 | 1045 | 1020 | 995 | 970 | 940 | 910 | 875 | 785 | 625 | - | - | |
| | L | | | 910 | 905 | 900 | 895 | 885 | 875 | 865 | 850 | 835 | 810 | 780 | 710 | 560 | - | - | |
| 036 | H | 10 x 10 | 1/2 | 1665 | 1640 | 1610 | 1580 | 1550 | 1515 | 1480 | 1450 | 1415 | 1315 | 1215 | 1090 | 980 | - | - | |
| | M | | | 1465 | 1445 | 1425 | 1400 | 1375 | 1350 | 1325 | 1260 | 1190 | 1140 | 1090 | 990 | 890 | - | - | |
| | L | | | 1130 | 1115 | 1100 | 1090 | 1075 | 1035 | 995 | 965 | 930 | 895 | 860 | 795 | 730 | - | - | |
| 042 | H | 10 x 10 | 1/2 | 2010 | 1975 | 1940 | 1905 | 1870 | 1825 | 1780 | 1735 | 1690 | 1640 | 1590 | 1470 | 1210 | - | - | |
| | M | | | 1670 | 1650 | 1630 | 1610 | 1590 | 1560 | 1530 | 1495 | 1460 | 1425 | 1390 | 1190 | 1080 | - | - | |
| | L | | | 1220 | 1215 | 1210 | 1295 | 1200 | 1180 | 1160 | 1130 | 1100 | 1060 | 1020 | 930 | - | - | - | |
| 048 | H | 10 x 10 | 1/2 | 2010 | 1975 | 1940 | 1905 | 1870 | 1825 | 1780 | 1735 | 1690 | 1640 | 1590 | 1470 | 1210 | - | - | |
| | M | | | 1670 | 1650 | 1630 | 1610 | 1590 | 1560 | 1530 | 1495 | 1460 | 1425 | 1390 | 1190 | 1080 | - | - | |
| | L | | | 1220 | 1215 | 1210 | 1295 | 1200 | 1180 | 1160 | 1130 | 1100 | 1060 | 1020 | 930 | - | - | - | |
| 060 | H | 11 x 10 | 1 | 2430 | 2400 | 2365 | 2330 | 2290 | 2255 | 2215 | 2180 | 2140 | 2095 | 2045 | 1945 | 1835 | 1715 | 1510 | 1330 |
| | M | | | 2265 | 2235 | 2205 | 2175 | 2145 | 2110 | 2070 | 2035 | 2000 | 1960 | 1915 | 1825 | 1730 | 1605 | 1440 | 1260 |
| | L | | | 2075 | 2050 | 2020 | 1995 | 1965 | 1940 | 1915 | 1885 | 1850 | 1820 | 1785 | 1720 | 1610 | 1505 | 1335 | 1175 |
| 070 | H | 11 x 10 | 1 | 2430 | 2400 | 2365 | 2330 | 2290 | 2255 | 2215 | 2180 | 2140 | 2095 | 2045 | 1945 | 1835 | 1715 | 1510 | 1330 |
| | M | | | 2265 | 2235 | 2205 | 2175 | 2145 | 2110 | 2070 | 2035 | 2000 | 1960 | 1915 | 1825 | 1730 | 1605 | 1440 | 1260 |
| | L | | | 2075 | 2050 | 2020 | 1995 | 1965 | 1940 | 1915 | 1885 | 1850 | 1820 | 1785 | 1720 | 1610 | 1505 | 1335 | 1175 |

3/16/12

Optional High Static PSC Motor

| Model | Blower Spd | Blower Size | Motor HP | Airflow (cfm) at External Static Pressure (in. wg) | | | | | | | | | | | | | | | |
|-------|------------|-------------|----------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 |
| 024 | H | 9 x 7 | 1/3 | 1290 | 1270 | 1245 | 1220 | 1190 | 1160 | 1125 | 1090 | 1055 | 1020 | 985 | 880 | 760 | - | - | - |
| | M | | | 1100 | 1090 | 1075 | 1060 | 1045 | 1020 | 995 | 970 | 940 | 910 | 875 | 785 | 625 | - | - | - |
| | L | | | 910 | 905 | 900 | 895 | 885 | 875 | 865 | 850 | 835 | 810 | 780 | 710 | 560 | - | - | - |
| 030 | H | 9 x 7 | 1/2 | 1365 | 1340 | 1325 | 1305 | 1280 | 1250 | 1215 | 1180 | 1140 | 1100 | 1055 | 960 | 850 | - | - | - |
| | M | | | 1040 | 1040 | 1035 | 1030 | 1020 | 1005 | 990 | 970 | 945 | 915 | 885 | 810 | 735 | - | - | - |
| | L | | | 880 | 880 | 880 | 880 | 875 | 870 | 860 | 840 | 820 | 800 | 775 | 730 | 480 | - | - | - |
| 036 | H | 10 x 10 | 1/2 | 1930 | 1905 | 1875 | 1840 | 1805 | 1765 | 1725 | 1680 | 1635 | 1530 | 1425 | 1270 | 1150 | 1025 | - | - |
| | M | | | 1635 | 1620 | 1600 | 1580 | 1555 | 1530 | 1505 | 1465 | 1425 | 1335 | 1240 | 1135 | 1035 | 775 | - | - |
| | L | | | 1230 | 1230 | 1225 | 1215 | 1200 | 1165 | 1130 | 1095 | 1060 | 1035 | 1005 | 935 | 795 | 675 | - | - |
| 042 | H | 10 x 10 | 3/4 | 2115 | 2075 | 2035 | 1980 | 1920 | 1900 | 1880 | 1840 | 1795 | 1730 | 1660 | 1390 | 1225 | 1070 | - | - |
| | M | | | 2005 | 1980 | 1950 | 1910 | 1865 | 1815 | 1765 | 1725 | 1685 | 1585 | 1485 | 1315 | 1140 | 1025 | - | - |
| | L | | | 1860 | 1835 | 1805 | 1780 | 1750 | 1715 | 1675 | 1635 | 1590 | 1540 | 1490 | 1260 | 1115 | 980 | - | - |
| 048 | H | 10 x 10 | 3/4 | 2115 | 2075 | 2035 | 1980 | 1920 | 1900 | 1880 | 1840 | 1795 | 1730 | 1660 | 1390 | 1225 | 1070 | - | - |
| | M | | | 2005 | 1980 | 1950 | 1910 | 1865 | 1815 | 1765 | 1725 | 1685 | 1585 | 1485 | 1315 | 1140 | 1025 | - | - |
| | L | | | 1860 | 1835 | 1805 | 1780 | 1750 | 1715 | 1675 | 1635 | 1590 | 1540 | 1490 | 1260 | 1115 | 980 | - | - |

3/16/12

Factory settings are in Bold

Air flow values are with dry coil and 1 in. MERV 4.

For wet coil performance first calculate the face velocity of the air coil (Face Velocity [fpm] = Airflow [cfm] / Face Area [sq ft]).

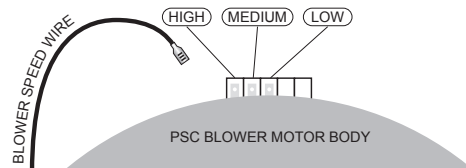
Then for velocities of 200 fpm reduce the static capability by 0.03 in. wg, 300 fpm by 0.08 in. wg, 400 fpm by 0.12 in. wg, and 500 fpm by 0.16 in. wg.

* Denotes setting for 265 V operation.

Setting Blower Speed - PSC



CAUTION: Disconnect all power before performing this operation.



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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____



Blower Performance Data cont.

5-Speed ECM - Single Speed

| Model | Motor Spd | Motor Tap | T'Stat Cnct. | Blower Size | Motor HP | Airflow (cfm) at External Static Pressure (in. wg) | | | | | | | | | | | | | | | | |
|-------|-----------------|-----------|--------------|-------------|----------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | | | | | | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | |
| 015 | High | 5 | | 9 x 7 | 1/2 | 916 | 898 | 881 | 866 | 851 | 679 | 813 | 804 | 795 | 774 | 754 | 731 | 695 | 643 | - | - | |
| | Med High | 4 | W | | | 809 | 787 | 765 | 754 | 743 | 725 | 707 | 688 | 669 | 654 | 639 | 606 | 536 | - | - | - | |
| | Med | 3 | | | | 727 | 715 | 703 | 682 | 661 | 638 | 616 | 601 | 587 | 561 | 536 | 485 | - | - | - | - | |
| | Med Low | 2 | Y1 | | | 699 | 675 | 652 | 631 | 611 | 594 | 577 | 551 | 525 | 490 | 455 | - | - | - | - | - | |
| | Low | 1 | G | | | 656 | 604 | 552 | 530 | 508 | 493 | 479 | 436 | 394 | 350 | - | - | - | - | - | - | - |
| 018 | High | 5 | | 9 x 7 | 1/2 | 916 | 898 | 881 | 866 | 851 | 679 | 813 | 804 | 795 | 774 | 754 | 731 | 695 | 643 | - | - | |
| | Med High | 4 | W | | | 809 | 787 | 765 | 754 | 743 | 725 | 707 | 688 | 669 | 654 | 639 | 606 | 536 | - | - | - | |
| | Med | 3 | | | | 727 | 715 | 703 | 682 | 661 | 638 | 616 | 601 | 587 | 561 | 536 | 485 | - | - | - | - | |
| | Med Low | 2 | Y1 | | | 699 | 675 | 652 | 631 | 611 | 594 | 577 | 551 | 525 | 490 | 455 | - | - | - | - | - | |
| | Low | 1 | G | | | 656 | 604 | 552 | 530 | 508 | 493 | 479 | 436 | 394 | 350 | - | - | - | - | - | - | - |
| 024 | High | 5 | W | 9 x 7 | 1/2 | 1015 | 1003 | 990 | 975 | 955 | 945 | 935 | 920 | 905 | 890 | 880 | 850 | 825 | 745 | - | - | |
| | Med High | 4 | Y1 | | | 935 | 915 | 895 | 880 | 875 | 855 | 840 | 825 | 815 | 800 | 785 | 755 | 720 | 580 | - | - | |
| | Med | 3 | | | | 865 | 855 | 845 | 825 | 810 | 795 | 780 | 765 | 750 | 735 | 720 | 675 | 610 | 570 | - | - | |
| | Med Low | 2 | G | | | 810 | 790 | 770 | 755 | 740 | 725 | 710 | 695 | 680 | 660 | 640 | 560 | 530 | - | - | - | - |
| | Low | 1 | | | | 695 | 645 | 595 | 575 | 550 | 520 | 495 | 455 | 420 | 400 | - | - | - | - | - | - | - |
| 030 | High | 5 | | 9 x 7 | 1/2 | 1407 | 1381 | 1354 | 1327 | 1300 | 1267 | 1233 | 1201 | 1168 | 1131 | 1094 | 1009 | - | - | - | - | |
| | Med High | 4 | W | | | 1146 | 1134 | 1122 | 1111 | 1099 | 1085 | 1071 | 1062 | 1052 | 1042 | 1031 | 966 | - | - | - | - | |
| | Med | 3 | Y1 | | | 1023 | 1012 | 1001 | 985 | 969 | 959 | 949 | 937 | 925 | 913 | 901 | - | - | - | - | - | |
| | Med Low | 2 | | | | 978 | 962 | 946 | 934 | 922 | 907 | 891 | 882 | 872 | 858 | 843 | - | - | - | - | - | |
| | Low | 1 | G | | | 795 | 777 | 759 | 748 | 737 | 718 | 698 | 686 | 673 | 650 | 626 | - | - | - | - | - | - |
| 036 | High | 5 | W | 11 x 10 | 1/2 | 1530 | 1503 | 1476 | 1453 | 1429 | 1413 | 1397 | 1376 | 1355 | 1342 | 1329 | 1276 | 1231 | 1173 | - | - | |
| | Med High | 4 | Y1 | | | 1413 | 1388 | 1363 | 1342 | 1321 | 1303 | 1285 | 1263 | 1240 | 1226 | 1212 | 1173 | 1016 | 946 | - | - | |
| | Med | 3 | | | | 1355 | 1325 | 1294 | 1276 | 1258 | 1235 | 1212 | 1188 | 1164 | 1144 | 1123 | 982 | 909 | 883 | - | - | |
| | Med Low | 2 | | | | 1336 | 1299 | 1261 | 1242 | 1222 | 1202 | 1181 | 1157 | 1132 | 1111 | 1090 | 937 | 874 | 830 | - | - | |
| | Low | 1 | G | | | 1243 | 1182 | 1121 | 1061 | 1000 | 964 | 928 | 856 | 784 | 744 | 703 | 647 | 592 | - | - | - | - |
| 042 | High | 5 | | 11 x 10 | 1 | 1934 | 1910 | 1886 | 1871 | 1855 | 1827 | 1799 | 1780 | 1760 | 1747 | 1734 | 1700 | 1659 | 1617 | - | - | |
| | Med High | 4 | W | | | 1799 | 1783 | 1767 | 1744 | 1720 | 1693 | 1666 | 1649 | 1631 | 1617 | 1603 | 1560 | 1530 | 1492 | - | - | |
| | Med | 3 | | | | 1694 | 1680 | 1666 | 1642 | 1617 | 1592 | 1567 | 1552 | 1537 | 1519 | 1500 | 1453 | 1421 | 1372 | - | - | |
| | Med Low | 2 | Y1 | | | 1575 | 1560 | 1540 | 1520 | 1502 | 1487 | 1471 | 1448 | 1424 | 1409 | 1393 | 1351 | 1308 | 1266 | - | - | |
| | Low | 1 | G | | | 1454 | 1406 | 1358 | 1333 | 1308 | 1285 | 1261 | 1239 | 1217 | 1198 | 1179 | 1072 | 1002 | 988 | - | - | - |
| 048 | High | 5 | | 11 x 10 | 1 | 1934 | 1910 | 1886 | 1871 | 1855 | 1827 | 1799 | 1780 | 1760 | 1747 | 1734 | 1700 | 1659 | 1617 | - | - | |
| | Med High | 4 | W | | | 1799 | 1783 | 1767 | 1744 | 1720 | 1693 | 1666 | 1649 | 1631 | 1617 | 1603 | 1560 | 1530 | 1492 | - | - | |
| | Med | 3 | Y1 | | | 1694 | 1680 | 1666 | 1642 | 1617 | 1592 | 1567 | 1552 | 1537 | 1519 | 1500 | 1453 | 1421 | 1372 | - | - | |
| | Med Low | 2 | | | | 1575 | 1560 | 1540 | 1520 | 1502 | 1487 | 1471 | 1448 | 1424 | 1409 | 1393 | 1351 | 1308 | 1266 | - | - | |
| | Low | 1 | G | | | 1454 | 1406 | 1358 | 1333 | 1308 | 1285 | 1261 | 1239 | 1217 | 1198 | 1179 | 1072 | 1002 | 988 | - | - | - |
| 060 | High | 5 | W | 11 x 10 | 1 | 2230 | 2212 | 2193 | 2173 | 2152 | 2139 | 2125 | 2109 | 2092 | 2076 | 2059 | 2026 | 1992 | 1951 | 1892 | 1806 | |
| | Med High | 4 | Y1 | | | 2081 | 2065 | 2048 | 2032 | 2015 | 1998 | 1980 | 1963 | 1946 | 1928 | 1910 | 1880 | 1849 | 1806 | 1767 | 1728 | |
| | Med | 3 | | | | 1951 | 1931 | 1910 | 1889 | 1868 | 1850 | 1831 | 1812 | 1793 | 1774 | 1755 | 1722 | 1688 | 1654 | 1612 | 1562 | |
| | Med Low | 2 | | | | 1812 | 1790 | 1767 | 1748 | 1728 | 1708 | 1688 | 1671 | 1654 | 1640 | 1626 | 1584 | 1547 | 1510 | 1472 | 1417 | |
| | Low | 1 | G | | | 1668 | 1651 | 1633 | 1612 | 1591 | 1566 | 1540 | 1525 | 1510 | 1491 | 1472 | 1433 | 1400 | 1351 | 1299 | 1208 | |
| 070 | High | 5 | W | 11 x 10 | 1 | 2472 | 2454 | 2435 | 2414 | 2393 | 2371 | 2349 | 2328 | 2306 | 2289 | 2271 | 2236 | 2189 | 2121 | 2033 | 1936 | |
| | Med High | 4 | Y1 | | | 2271 | 2248 | 2225 | 2205 | 2184 | 2166 | 2147 | 2129 | 2110 | 2094 | 2078 | 2039 | 2011 | 1977 | 1930 | 1846 | |
| | Med | 3 | | | | 2133 | 2115 | 2096 | 2072 | 2047 | 2030 | 2013 | 1996 | 1979 | 1965 | 1950 | 1909 | 1873 | 1837 | 1793 | 1748 | |
| | Med Low | 2 | | | | 2008 | 1985 | 1962 | 1939 | 1915 | 1898 | 1880 | 1862 | 1843 | 1828 | 1812 | 1774 | 1742 | 1703 | 1669 | 1635 | |
| | Low | 1 | G | | | 1806 | 1784 | 1761 | 1742 | 1722 | 1696 | 1669 | 1656 | 1642 | 1625 | 1607 | 1564 | 1527 | 1490 | 1443 | 1404 | |

Factory settings are in Bold
 Air flow values are with dry coil and standard 1 in. filter

11/20/12

About 5-Speed ECM Constant Torque Motors

The 5-speed ECM is a 'Constant Torque' ECM motor and delivers air flow similar to a PSC but operates as efficiently as a variable speed ECM motor. Because it is an ECM motor, the 5-speed ECM can ramp slowly up or down like the variable speed ECM motor. There are 5 possible speed taps available on the 5-speed ECM motor with #1 being the lowest airflow and #5 being the highest airflow. These speed selections are preset at the time of manufacture and are easily changed in the field if necessary.

If more than one tap are energized at the same time, built in logic gives precedence to the highest tap number and allows air flow to change with G, Y1, Y2 and W signals. Each of those 5 speeds has a specific 'Torque' value programmed into the motor for each speed selection. As static pressure increases,

airflow decreases resulting in less torque on the rotor. The motor responds only to changes in torque and adjusts its speed accordingly.

The 5-speed ECM motor is powered by line voltage but the motor speed is energized by 24VAC.

5-Speed ECM Benefits:

- High efficiency
- Soft start
- 5 speeds with up to 4 speeds on-line
- Built in logic allows air flow to change with G, Y1, Y2 and W signals
- Super efficient low airflow continuous blower setting (G)

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____



Blower Performance Data cont.

5-Speed ECM - Dual Capacity

| Model | Motor Speed | Motor Tap | T'stat Cnct. | Blower Size | Motor HP | Airflow (cfm) at External Static Pressure (in. wg) | | | | | | | | | | | | | | | |
|-------|-------------|-----------|--------------|-------------|----------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | | | | 0 | 0.05 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 | 0.45 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 |
| 026 | High | 5 | W | 9 x 7 | 1/2 | 1120 | 1109 | 1097 | 1082 | 1066 | 1055 | 1044 | 1028 | 1011 | 1001 | 991 | 932 | 839 | - | - | - |
| | Med High | 4 | Y2 | | | 1020 | 1006 | 991 | 980 | 968 | 950 | 932 | 922 | 911 | 894 | 876 | 849 | 812 | - | - | - |
| | Med | 3 | | | | 917 | 906 | 895 | 884 | 872 | 854 | 836 | 824 | 812 | 792 | 772 | 754 | 719 | - | - | - |
| | Med Low | 2 | Y1 | | | 836 | 824 | 812 | 794 | 776 | 765 | 754 | 735 | 715 | 703 | 691 | 653 | 631 | - | - | - |
| | Low | 1 | G | | | 735 | 721 | 707 | 687 | 666 | 653 | 640 | 622 | 603 | 589 | 574 | 533 | - | - | - | - |
| 038 | High | 5 | W | 11 x 10 | 1/2 | 1530 | 1503 | 1476 | 1453 | 1429 | 1413 | 1397 | 1376 | 1355 | 1342 | 1329 | 1276 | 1231 | 1173 | - | - |
| | Med High | 4 | Y2 | | | 1413 | 1388 | 1363 | 1342 | 1321 | 1303 | 1285 | 1263 | 1240 | 1226 | 1212 | 1173 | 1016 | 946 | - | - |
| | Med | 3 | Y1 | | | 1355 | 1325 | 1294 | 1276 | 1258 | 1235 | 1212 | 1188 | 1164 | 1144 | 1123 | 982 | 909 | 883 | - | - |
| | Med Low | 2 | | | | 1336 | 1299 | 1261 | 1242 | 1222 | 1202 | 1181 | 1157 | 1132 | 1111 | 1090 | 937 | 874 | 830 | - | - |
| | Low | 1 | G | | | 1243 | 1182 | 1121 | 1061 | 1000 | 964 | 928 | 856 | 784 | 744 | 703 | 647 | 592 | - | - | - |
| 049 | High | 5 | W | 11 x 10 | 1 | 1934 | 1910 | 1886 | 1871 | 1855 | 1827 | 1799 | 1780 | 1760 | 1747 | 1734 | 1700 | 1659 | 1617 | - | - |
| | Med High | 4 | | | | 1799 | 1783 | 1767 | 1744 | 1720 | 1693 | 1666 | 1649 | 1631 | 1617 | 1603 | 1560 | 1530 | 1492 | - | - |
| | Med | 3 | Y2 | | | 1694 | 1680 | 1666 | 1642 | 1617 | 1592 | 1567 | 1552 | 1537 | 1519 | 1500 | 1453 | 1421 | 1372 | - | - |
| | Med Low | 2 | Y1 | | | 1575 | 1560 | 1540 | 1520 | 1502 | 1487 | 1471 | 1448 | 1424 | 1409 | 1393 | 1351 | 1308 | 1266 | - | - |
| | Low | 1 | G | | | 1454 | 1406 | 1358 | 1333 | 1308 | 1285 | 1261 | 1239 | 1217 | 1198 | 1179 | 1072 | 1002 | 988 | - | - |
| 064 | High | 5 | W | 11 x 10 | 1 | 2245 | 2230 | 2214 | 2194 | 2173 | 2155 | 2136 | 2120 | 2103 | 2087 | 2070 | 2032 | 1998 | 1957 | 1910 | 1825 |
| | Med High | 4 | Y2 | | | 2092 | 2073 | 2054 | 2035 | 2015 | 1995 | 1975 | 1958 | 1940 | 1922 | 1904 | 1880 | 1843 | 1806 | 1767 | 1728 |
| | Med | 3 | | | | 1951 | 1931 | 1910 | 1889 | 1868 | 1850 | 1831 | 1812 | 1793 | 1774 | 1755 | 1722 | 1688 | 1654 | 1612 | 1562 |
| | Med Low | 2 | Y1 | | | 1812 | 1796 | 1780 | 1761 | 1741 | 1718 | 1695 | 1682 | 1668 | 1651 | 1633 | 1591 | 1555 | 1518 | 1480 | 1433 |
| | Low | 1 | G | | | 1682 | 1661 | 1640 | 1616 | 1591 | 1573 | 1555 | 1533 | 1510 | 1495 | 1480 | 1441 | 1400 | 1351 | 1316 | 1263 |
| 072 | High | 5 | W | 11 x 10 | 1 | 2472 | 2454 | 2435 | 2414 | 2393 | 2371 | 2349 | 2328 | 2306 | 2289 | 2271 | 2230 | 2189 | 2121 | 2033 | 1936 |
| | Med High | 4 | Y2 | | | 2271 | 2248 | 2225 | 2205 | 2184 | 2166 | 2147 | 2129 | 2110 | 2094 | 2078 | 2039 | 2011 | 1977 | 1930 | 1846 |
| | Med | 3 | | | | 2133 | 2115 | 2096 | 2072 | 2047 | 2030 | 2013 | 1996 | 1979 | 1965 | 1950 | 1909 | 1873 | 1837 | 1793 | 1748 |
| | Med Low | 2 | Y1 | | | 2008 | 1985 | 1962 | 1939 | 1915 | 1898 | 1880 | 1862 | 1843 | 1828 | 1812 | 1774 | 1742 | 1703 | 1669 | 1635 |
| | Low | 1 | G | | | 1806 | 1784 | 1761 | 1742 | 1722 | 1696 | 1669 | 1656 | 1642 | 1625 | 1607 | 1564 | 1527 | 1490 | 1443 | 1404 |

Factory speed settings are in **Bold**

Air flow values are with dry coil and standard filter

For wet coil performance first calculate the face velocity of the air coil (Face Velocity [fpm] = Airflow [cfm] / Face Area [sq ft]).

Then for velocities of 200 fpm reduce the static capability by 0.03 in. wg, 300 fpm by 0.08 in. wg, 400 fpm by 0.12 in. wg., and 500 fpm by 0.16 in. wg.

Highest setting is for auxiliary heat (W) and lowest setting is for constant blower (G). The "Y1" and "Y2" settings must be between the "G" and "W" settings.

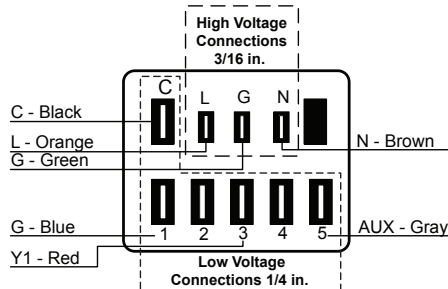
7/30/15

Setting Blower Speed - 5-Speed ECM

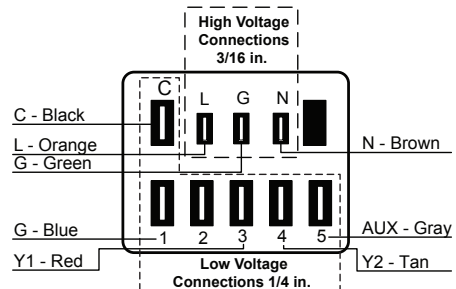
5-speed ECM blower motors have five (5) speeds of which three (3) are selectable on single speed and four (4) are selectable on dual capacity.

CAUTION: Disconnect all power before performing this operation.

5-Speed ECM Motor Connections - Single Speed



5-Speed ECM Motor Connections - Dual Capacity



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Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



Blower Performance Data cont.

Variable Speed ECM Motor Single Speed

| Model | Max ESP | Blower Size | Motor hp | Airflow DIP Switch Settings | | | | | | | | | | | | |
|---------------|---------|-------------|----------|-----------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|------|------|--|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 015 | 0.50 | 9 x 7 | 1/2 | 300 | 400 L | 500 | 600 M | 700 H | | | | | | | | |
| 018 | 0.50 | 9 x 7 | 1/2 | 300 | 400 L | 500 | 600 M | 700 H | 800 | | | | | | | |
| 024 | 0.50 | 9 x 7 | 1/2 | | 400 | 500 L | 600 M | 700 H | 800 H | 900 | 1000 | 1100 | 1200 | | | |
| 030 | 0.50 | 9 x 7 | 1/2 | | 400 | 500 L | 600 | 700 M | 800 | 900 H | 1000 | 1100 | 1200 | | | |
| 036 | 0.50 | 11 x 10 | 1/2 | 650 | 750 | 850 L | 1000 | 1100 M | 1200 | 1300 H | 1400 | 1500 | | | | |
| 036 w/1hp* | 0.75 | 11 x 10 | 1 | 800 | 1000 L | 1100 M | 1300 H | 1500 | 1600 | 1800 | | | | | | |
| 042 | 0.50 | 11 x 10 | 1/2 | 650 | 800 | 900 L | 1050 | 1150 M | 1250 | 1350 | 1450 H | 1550 | | | | |
| 042 w/1hp* | 0.75 | 11 x 10 | 1 | 800 | 900 L | 1000 | 1200 M | 1400 H | 1600 | 1700 | 1850 | 2000 | 2200 | 2300 | 2400 | |
| 048 | 0.50 | 11 x 10 | 1/2 | 650 | 800 | 900 | 1050 L | 1150 | 1250 | 1350 M | 1450 | 1550 H | | | | |
| 048 w/1hp* | 0.75 | 11 x 10 | 1 | 800 | 900 | 1000 L | 1200 | 1400 M | 1600 H | 1700 | 1850 | 2000 | 2200 | 2300 | 2400 | |
| 060 | 0.75 | 11 x 10 | 1 | 800 | 950 | 1100 L | 1300 | 1500 M | 1750 | 1950 H | 2100 | 2300 | | | | |
| 070 | 0.75 | 11 x 10 | 1 | 800 | 950 | 1100 L | 1300 | 1500 | 1750 M | 1950 | 2100 H | 2300 | | | | |

3/16/12

Dual Capacity

| Model | Max ESP | Blower Size | Motor hp | Air Flow DIP Switch Settings | | | | | | | | | | | | |
|---------------|---------|-------------|----------|------------------------------|----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|------|------|--|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 026 | 0.50 | 9 x 7 | 1/2 | | 400 | 500 L | 600 | 700 M | 800 | 900 H | 1000 | 1100 | 1200 | | | |
| 038 | 0.50 | 11 x 10 | 1/2 | 650 | 750 L | 850 | 1000 | 1100 M | 1200 | 1300 H | 1400 | 1500 | | | | |
| 038 w/1hp* | 0.75 | 11 x 10 | 1 | 800 L | 1000 | 1100 M | 1300 H | 1500 | 1600 | 1800 | | | | | | |
| 049 | 0.50 | 11 x 10 | 1/2 | 650 | 800 L | 900 | 1050 | 1150 | 1250 | 1350 M | 1450 | 1550 H | | | | |
| 049 w/1hp* | 0.75 | 11 x 10 | 1 | 800 L | 900 | 1000 | 1200 | 1400 M | 1600 H | 1700 | 1850 | 2000 | 2200 | 2300 | 2400 | |
| 064 | 0.75 | 11 x 10 | 1 | 800 | 950 L | 1100 | 1300 | 1500 M | 1750 | 1950 H | 2100 | 2300 | | | | |
| 072 | 0.75 | 11 x 10 | 1 | 800 | 950 | 1100 L | 1300 | 1500 | 1750 M | 1950 | 2100 H | 2300 | | | | |

Factory settings are at recommended L-M-H DIP switch locations
M-H settings MUST be located within boldface cfm range
Lowest and Highest DIP switch settings are assumed to be L and H respectively
cfm is controlled within ±5% up to the maximum ESP
Max ESP includes allowance for wet coil and 1 in. MERV 4

3/16/12

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Blower Performance Data cont.

Variable Speed Constant Torque ECM 009-012 Models

| Fan Speed | Fan RPM | Airflow [cfm] at External Static Pressure [in. wg.] | | | | | | | | |
|-----------|---------|---|-----|-----|-----|-----|-----|-----|-----|-----|
| | | 0.0 | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 |
| 1 | 0 | | | | | | | | | |
| 2 | 514 | 190 | | | | | | | | |
| 3 | 630 | 245 | 50 | | | | | | | |
| 4 | 800 | 330 | 230 | | | | | | | |
| 5 | 950 | 405 | 320 | 175 | | | | | | |
| 6 | 1100 | 485 | 420 | 335 | 180 | | | | | |
| 7 | 1200 | 540 | 485 | 405 | 320 | | | | | |
| 8 | 1300 | 560 | 535 | 490 | 415 | 305 | | | | |
| 9 | 1400 | 560 | 535 | 510 | 475 | 445 | 340 | | | |
| 10 | 1500 | 560 | 535 | 510 | 475 | 450 | 425 | 390 | 270 | |
| 11 | 1600 | 560 | 535 | 510 | 475 | 450 | 425 | 390 | 365 | |
| 12 | 1700 | 560 | 535 | 510 | 475 | 450 | 425 | 390 | 365 | 320 |

Air flow values are with dry coil and standard 1" filter

11/7/23

Operating Limits

| Operating Limits | Cooling | | Heating | |
|--------------------------|-----------|---------|---------|------|
| | (°F) | (°C) | (°F) | (°C) |
| Air Limits | | | | |
| Min. Ambient Air | 45 | 7.2 | 45 | 7.2 |
| Rated Ambient Air | 80 | 26.7 | 70 | 21.1 |
| Max. Ambient Air | 100 | 37.8 | 85 | 29.4 |
| Min. Entering Air | 50 | 10.0 | 40 | 4.4 |
| Rated Entering Air db/wb | 80.6/66.2 | 27/19 | 68 | 20.0 |
| Max. Entering Air db/wb | 110/83 | 43/28.3 | 80 | 26.7 |
| Water Limits | | | | |
| Min. Entering Water | 30 | -1.1 | 20 | -6.7 |
| Normal Entering Water | 50-110 | 10-43.3 | 30-70 | -1.1 |
| Max. Entering Water | 120 | 48.9 | 90 | 32.2 |

NOTE: Minimum/maximum limits are only for start-up conditions, and are meant for bringing the space up to occupancy temperature. Units are not designed to operate at the minimum/maximum conditions on a regular basis. The operating limits are dependent upon three primary factors: 1) water temperature, 2) return air temperature, and 3) ambient temperature. When any of the factors are at the minimum or maximum levels, the other two factors must be at the normal level for proper and reliable unit operation.

Legend

ABBREVIATIONS AND DEFINITIONS:

cfm = airflow, cubic feet/minute
 EWT = entering water temperature, Fahrenheit
 gpm = water flow in gallons/minute
 WPD = water pressure drop, psi and feet of water
 EAT = entering air temperature, Fahrenheit (dry bulb/wet bulb)
 HC = air heating capacity, MBtu/h
 TC = total cooling capacity, MBtu/h
 SC = sensible cooling capacity, MBtu/h
 kW = total power unit input, kilowatts
 HR = total heat of rejection, MBtu/h

HE = total heat of extraction, MBtu/h
 HWC = hot water generator capacity, MBtu/h
 EER = Energy Efficient Ratio
 = BTU output/Watt input
 COP = Coefficient of Performance
 = Btu output/Btu input
 LWT = leaving water temperature, °F
 LAT = leaving air temperature, °F
 TH = total heating capacity, MBtu/h
 LC = latent cooling capacity, MBtu/h
 S/T = sensible to total cooling ratio

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Correction Factor Tables

Cooling Capacity Corrections

| Entering Air WB °F | Total Clg Cap | Sensible Cooling Capacity Multipliers - Entering DB °F | | | | | | | | | | Power Input | Heat of Rejection |
|--------------------|---------------|--|-------|-------|-------|--------------|-------|-------|-------|-------|-------|--------------|-------------------|
| | | 60 | 65 | 70 | 75 | 80 | 80.6 | 85 | 90 | 95 | 100 | | |
| 55 | 0.898 | 0.723 | 0.866 | 1.048 | 1.185 | * | * | * | * | * | * | 0.985 | 0.913 |
| 60 | 0.912 | | 0.632 | 0.880 | 1.078 | 1.244 | 1.260 | * | * | * | * | 0.994 | 0.927 |
| 65 | 0.967 | | | 0.694 | 0.881 | 1.079 | 1.085 | 1.270 | * | * | * | 0.997 | 0.972 |
| 66.2 | 0.983 | | | 0.655 | 0.842 | 1.040 | 1.060 | 1.232 | * | * | * | 0.999 | 0.986 |
| 67 | 1.000 | | | 0.616 | 0.806 | 1.000 | 1.023 | 1.193 | 1.330 | * | * | 1.000 | 1.000 |
| 70 | 1.053 | | | | 0.693 | 0.879 | 0.900 | 1.075 | 1.250 | 1.404 | * | 1.003 | 1.044 |
| 75 | 1.168 | | | | | 0.687 | 0.715 | 0.875 | 1.040 | 1.261 | 1.476 | 1.007 | 1.141 |

NOTE: * Sensible capacity equals total capacity at conditions shown.

11/10/09

Heating Corrections

| Ent Air DB °F | Htg Cap | Power | Heat of Ext |
|---------------|--------------|--------------|--------------|
| 45 | 1.062 | 0.739 | 1.158 |
| 50 | 1.050 | 0.790 | 1.130 |
| 55 | 1.037 | 0.842 | 1.096 |
| 60 | 1.025 | 0.893 | 1.064 |
| 65 | 1.012 | 0.945 | 1.030 |
| 68 | 1.005 | 0.976 | 1.012 |
| 70 | 1.000 | 1.000 | 1.000 |
| 75 | 0.987 | 1.048 | 0.970 |
| 80 | 0.975 | 1.099 | 0.930 |

11/10/09

Airflow Corrections

| Airflow | | Cooling | | | | Heating | | |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| cfm Per Ton of Clg | % of Nominal | Total Cap | Sens Cap | Power | Heat of Rej | Htg Cap | Power | Heat of Ext |
| 240 | 60 | 0.922 | 0.786 | 0.910 | 0.920 | 0.943 | 1.150 | 0.893 |
| 275 | 69 | 0.944 | 0.827 | 0.924 | 0.940 | 0.958 | 1.105 | 0.922 |
| 300 | 75 | 0.959 | 0.860 | 0.937 | 0.955 | 0.968 | 1.078 | 0.942 |
| 325 | 81 | 0.971 | 0.894 | 0.950 | 0.967 | 0.977 | 1.053 | 0.959 |
| 350 | 88 | 0.982 | 0.929 | 0.964 | 0.978 | 0.985 | 1.031 | 0.973 |
| 375 | 94 | 0.992 | 0.965 | 0.982 | 0.990 | 0.993 | 1.014 | 0.988 |
| 400 | 100 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 425 | 106 | 1.007 | 1.034 | 1.020 | 1.010 | 1.007 | 0.990 | 1.011 |
| 450 | 113 | 1.012 | 1.065 | 1.042 | 1.018 | 1.013 | 0.983 | 1.020 |
| 475 | 119 | 1.017 | 1.093 | 1.066 | 1.026 | 1.018 | 0.980 | 1.028 |
| 500 | 125 | 1.019 | 1.117 | 1.092 | 1.033 | 1.023 | 0.978 | 1.034 |
| 520 | 130 | 1.020 | 1.132 | 1.113 | 1.038 | 1.026 | 0.975 | 1.038 |

11/10/09

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Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Antifreeze Corrections

Catalog performance can be corrected for antifreeze use. Please use the following table and note the example given.

| Antifreeze Type | Antifreeze % by wt | Cooling Capacity | Heating Capacity | Pressure Drop |
|-------------------|--------------------|------------------|------------------|---------------|
| EWT - degF [DegC] | | 90 [32.2] | 30 [-1.1] | 30 [-1.1] |
| Water | 0 | 1.000 | 1.000 | 1.000 |
| Ethylene Glycol | 10 | 0.991 | 0.973 | 1.075 |
| | 20 | 0.979 | 0.943 | 1.163 |
| | 30 | 0.965 | 0.917 | 1.225 |
| | 40 | 0.955 | 0.890 | 1.324 |
| | 50 | 0.943 | 0.865 | 1.419 |
| Propylene Glycol | 10 | 0.981 | 0.958 | 1.130 |
| | 20 | 0.969 | 0.913 | 1.270 |
| | 30 | 0.950 | 0.854 | 1.433 |
| | 40 | 0.937 | 0.813 | 1.614 |
| | 50 | 0.922 | 0.770 | 1.816 |
| Ethanol | 10 | 0.991 | 0.927 | 1.242 |
| | 20 | 0.972 | 0.887 | 1.343 |
| | 30 | 0.947 | 0.856 | 1.383 |
| | 40 | 0.930 | 0.815 | 1.523 |
| | 50 | 0.911 | 0.779 | 1.639 |
| Methanol | 10 | 0.986 | 0.957 | 1.127 |
| | 20 | 0.970 | 0.924 | 1.197 |
| | 30 | 0.951 | 0.895 | 1.235 |
| | 40 | 0.936 | 0.863 | 1.323 |
| | 50 | 0.920 | 0.833 | 1.399 |

Warning: Gray area represents antifreeze concentrations greater than 35% by weight and should be avoided due to the extreme performance penalty they represent.

Antifreeze Correction Example

Antifreeze solution is Propylene Glycol 20% by weight. Determine the corrected heating and cooling performance at 30°F and 90°F respectively as well as pressure drop at 30°F for an Envision² Compact NB*024-PSC.

The corrected cooling capacity at 90°F would be: 24,300 Btu/h x 0.969 = 23,547 Btu/h

The corrected heating capacity at 30°F would be: 18,900 Btu/h x 0.913 = 17,256 Btu/h

The corrected pressure drop at 30°F and 6 gpm would be: 9.5 ft. hd x 1.270 = 12.07 ft. hd.

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Pressure Drop

Single Speed

| Model | gpm | Pressure Drop (psi) | | | | |
|-------|------|---------------------|------|------|------|-------|
| | | 30°F | 50°F | 70°F | 90°F | 110°F |
| 009 | 1.5 | 1.9 | 1.8 | 1.7 | 1.6 | 1.5 |
| | 2.0 | 3.5 | 3.4 | 3.2 | 3.1 | 3.0 |
| | 3.0 | 6.9 | 6.5 | 6.3 | 6.0 | 5.7 |
| | 4.0 | 12.0 | 11.4 | 11.0 | 10.8 | 10.5 |
| 012 | 1.5 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| | 2.5 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| | 3.5 | 1.7 | 1.7 | 1.7 | 1.6 | 1.6 |
| | 4.5 | 2.5 | 2.4 | 2.4 | 2.4 | 2.3 |
| 015 | 2.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| | 3.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| | 4.0 | 2.6 | 2.6 | 2.6 | 2.6 | 2.5 |
| | 5.0 | 3.7 | 3.7 | 3.6 | 3.6 | 3.5 |
| 018 | 3.0 | 1.6 | 1.6 | 1.5 | 1.5 | 1.4 |
| | 4.0 | 2.9 | 2.9 | 2.8 | 2.8 | 2.7 |
| | 5.0 | 4.2 | 4.2 | 4.1 | 4.0 | 3.9 |
| | 6.0 | 6.0 | 5.8 | 5.7 | 5.6 | 5.5 |
| 024 | 3.0 | 1.1 | 1.1 | 0.9 | 0.8 | 0.6 |
| | 4.5 | 2.1 | 2.0 | 1.8 | 1.7 | 1.5 |
| | 6.0 | 4.1 | 4.0 | 3.8 | 3.7 | 3.5 |
| | 8.0 | 4.5 | 4.4 | 4.1 | 3.9 | 3.7 |
| 030 | 4.0 | 1.5 | 1.4 | 1.3 | 1.2 | 1.1 |
| | 6.0 | 3.0 | 2.8 | 2.7 | 2.5 | 2.3 |
| | 8.0 | 5.1 | 4.8 | 4.5 | 4.2 | 3.9 |
| | 10.0 | 7.7 | 7.2 | 6.8 | 6.3 | 5.8 |
| 036 | 5.0 | 1.0 | 1.0 | 0.9 | 0.8 | 0.8 |
| | 7.0 | 2.1 | 1.9 | 1.8 | 1.7 | 1.6 |
| | 9.0 | 3.6 | 3.3 | 3.0 | 2.8 | 2.6 |
| | 12.0 | 6.3 | 5.9 | 5.5 | 5.1 | 4.8 |
| 042 | 5.0 | 0.8 | 0.7 | 0.7 | 0.7 | 0.6 |
| | 8.0 | 2.1 | 2.1 | 1.9 | 1.8 | 1.7 |
| | 11.0 | 4.2 | 4.1 | 3.8 | 3.5 | 3.3 |
| | 14.0 | 7.6 | 6.7 | 6.3 | 5.8 | 5.4 |
| 048 | 6.0 | 1.1 | 1.0 | 1.0 | 0.9 | 0.8 |
| | 9.0 | 2.3 | 2.1 | 2.0 | 1.9 | 1.7 |
| | 12.0 | 3.9 | 3.7 | 3.4 | 3.2 | 3.0 |
| | 16.0 | 6.7 | 6.3 | 5.9 | 5.5 | 5.1 |
| 060 | 9.0 | 2.4 | 2.2 | 2.1 | 2.0 | 1.8 |
| | 12.0 | 3.9 | 3.6 | 3.4 | 3.2 | 2.9 |
| | 15.0 | 5.7 | 5.3 | 5.0 | 4.7 | 4.3 |
| | 20.0 | 9.5 | 8.9 | 8.3 | 7.8 | 7.2 |
| 070 | 12.0 | 3.0 | 2.8 | 2.6 | 2.4 | 2.2 |
| | 15.0 | 4.4 | 4.0 | 3.8 | 3.5 | 3.3 |
| | 18.0 | 6.0 | 5.5 | 5.1 | 4.8 | 4.4 |
| | 24.0 | 9.7 | 9.1 | 8.5 | 7.9 | 7.3 |

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| Valve | gpm | Cv | Pressure Drop (psi) |
|---------|------|------|---------------------|
| 1/2 in. | 1.5 | 9.6 | 0.02 |
| | 2.0 | 9.7 | 0.04 |
| | 3.0 | 9.9 | 0.09 |
| | 4.0 | 10.1 | 0.16 |
| 1/2 in. | 1.5 | 9.6 | 0.02 |
| | 2.5 | 9.8 | 0.06 |
| | 3.5 | 10.0 | 0.12 |
| | 4.5 | 10.2 | 0.19 |
| 3/4 in. | 2.0 | 9.7 | 0.04 |
| | 3.0 | 9.9 | 0.09 |
| | 4.0 | 10.1 | 0.16 |
| | 5.0 | 10.4 | 0.23 |
| 3/4 in. | 3.0 | 9.9 | 0.09 |
| | 4.0 | 10.1 | 0.16 |
| | 5.0 | 10.4 | 0.23 |
| | 6.0 | 10.6 | 0.32 |
| 3/4 in. | 3.0 | 9.9 | 0.09 |
| | 4.5 | 10.2 | 0.19 |
| | 6.0 | 10.6 | 0.32 |
| | 8.0 | 11.0 | 0.53 |
| 3/4 in. | 4.0 | 10.1 | 0.16 |
| | 6.0 | 10.6 | 0.32 |
| | 8.0 | 11.0 | 0.53 |
| | 10.0 | 11.5 | 0.76 |
| 1 in. | 5.0 | 15.9 | 0.10 |
| | 7.0 | 16.6 | 0.23 |
| | 9.0 | 17.2 | 0.41 |
| | 12.0 | 17.9 | 0.61 |
| 1 in. | 5.0 | 15.9 | 0.10 |
| | 8.0 | 16.6 | 0.23 |
| | 11.0 | 17.2 | 0.41 |
| | 14.0 | 17.9 | 0.61 |
| 1 in. | 6.0 | 16.1 | 0.14 |
| | 9.0 | 16.8 | 0.29 |
| | 12.0 | 17.4 | 0.47 |
| | 16.0 | 18.3 | 0.76 |
| 1 in. | 9.0 | 16.8 | 0.29 |
| | 12.0 | 17.4 | 0.47 |
| | 15.0 | 18.1 | 0.69 |
| | 20.0 | 19.2 | 1.09 |
| 1 in. | 12.0 | 17.4 | 0.47 |
| | 15.0 | 18.1 | 0.69 |
| | 18.0 | 18.7 | 0.92 |
| | 24.0 | 20.1 | 1.43 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Pressure Drop cont.

Dual Capacity

| Model | gpm | Pressure Drop (psi) | | | | |
|-------|------|---------------------|------|------|------|-------|
| | | 30°F | 50°F | 70°F | 90°F | 110°F |
| 026 | 4.0 | 1.4 | 1.3 | 1.2 | 1.1 | 1.0 |
| | 6.0 | 2.8 | 2.6 | 2.4 | 2.3 | 2.1 |
| | 8.0 | 4.7 | 4.4 | 4.1 | 3.8 | 3.5 |
| | 10.0 | 7.0 | 6.6 | 6.2 | 5.8 | 5.3 |
| 038 | 5.0 | 1.2 | 1.2 | 1.1 | 1.0 | 1.0 |
| | 7.0 | 2.2 | 2.1 | 1.9 | 1.8 | 1.7 |
| | 9.0 | 3.4 | 3.2 | 3.0 | 2.8 | 2.6 |
| | 11.0 | 4.9 | 4.6 | 4.3 | 4 | 3.7 |
| 049 | 6.0 | 1.2 | 1.2 | 1.1 | 1.0 | 1.0 |
| | 9.0 | 2.4 | 2.2 | 2.1 | 2.0 | 1.8 |
| | 12.0 | 3.9 | 3.6 | 3.4 | 3.2 | 2.9 |
| | 15.0 | 5.7 | 5.3 | 5 | 4.7 | 4.3 |
| 064 | 8.0 | 1.8 | 1.7 | 1.6 | 1.4 | 1.3 |
| | 12.0 | 3.8 | 3.5 | 3.3 | 3.0 | 2.8 |
| | 16.0 | 6.5 | 6.0 | 5.6 | 5.2 | 4.8 |
| | 20.0 | 9.7 | 9.1 | 8.5 | 8.0 | 7.4 |
| 072 | 12.0 | 3.2 | 3.0 | 2.8 | 2.6 | 2.4 |
| | 15.0 | 4.5 | 4.2 | 4.0 | 3.7 | 3.4 |
| | 18.0 | 6.0 | 5.7 | 5.3 | 4.9 | 4.6 |
| | 21.0 | 7.8 | 7.3 | 6.8 | 6.4 | 5.9 |

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| Valve | gpm | Cv | Pressure Drop (psi) |
|---------|------|------|---------------------|
| 3/4 in. | 4.0 | 10.1 | 0.16 |
| | 6.0 | 10.6 | 0.32 |
| | 8.0 | 11.0 | 0.53 |
| | 10.0 | 11.5 | 0.76 |
| 3/4 in. | 5.0 | 10.4 | 0.23 |
| | 7.0 | 10.8 | 0.42 |
| | 9.0 | 11.2 | 0.64 |
| | 12.0 | 11.9 | 1.02 |
| 1 in. | 6.0 | 16.1 | 0.14 |
| | 9.0 | 16.8 | 0.29 |
| | 12.0 | 17.4 | 0.47 |
| | 15.0 | 18.1 | 0.69 |
| 1 in. | 9.0 | 16.8 | 0.29 |
| | 12.0 | 17.4 | 0.47 |
| | 16.0 | 18.3 | 0.76 |
| | 20.0 | 19.2 | 1.09 |
| 1 in. | 12.0 | 17.4 | 0.47 |
| | 15.0 | 18.1 | 0.69 |
| | 18.0 | 18.7 | 0.92 |
| | 24.0 | 20.1 | 1.43 |

3/16/12

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB009 - Performance Data

Single Speed with PSC (350 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70 °F | | | | | COOLING - EAT 80/67 °F | | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|-------------|--------------|-----------|------|---------------------------|--------------|--------------|-------------|--------------|------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER |
| 20 | 1.5 | 2.0 | 4.5 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.6 | 8.3 | | | | | | | | | | | |
| | 3.0 | 7.0 | 16.2 | 6.4 | 0.65 | 4.2 | 84.9 | 2.86 | | | | | | |
| 30 | 1.5 | 1.9 | 4.4 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.5 | 8.1 | 7.4 | 0.68 | 5.1 | 87.5 | 3.19 | 12.0 | 7.8 | 0.65 | 0.38 | 13.3 | 31.6 |
| | 3.0 | 6.9 | 15.9 | 7.3 | 0.68 | 5.0 | 87.3 | 3.16 | 11.6 | 7.5 | 0.65 | 0.38 | 12.9 | 30.3 |
| 40 | 1.5 | 1.9 | 4.3 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.4 | 7.9 | 8.2 | 0.69 | 5.9 | 89.8 | 3.47 | 11.7 | 7.7 | 0.66 | 0.42 | 13.2 | 27.8 |
| | 3.0 | 6.7 | 15.5 | 8.4 | 0.70 | 6.1 | 90.3 | 3.55 | 11.6 | 7.6 | 0.65 | 0.41 | 13.0 | 28.6 |
| 50 | 1.5 | 1.8 | 4.2 | 9.0 | 0.71 | 6.5 | 91.7 | 3.69 | 11.4 | 7.6 | 0.67 | 0.48 | 13.0 | 23.7 |
| | 2.0 | 3.4 | 7.8 | 9.2 | 0.71 | 6.7 | 92.3 | 3.77 | 11.5 | 7.6 | 0.67 | 0.46 | 13.0 | 24.8 |
| | 3.0 | 6.5 | 15.0 | 9.6 | 0.72 | 7.1 | 93.4 | 3.91 | 11.6 | 7.7 | 0.66 | 0.43 | 13.1 | 27.2 |
| 60 | 1.5 | 1.8 | 4.0 | 10.1 | 0.73 | 7.6 | 94.6 | 4.04 | 10.9 | 7.4 | 0.68 | 0.55 | 12.7 | 19.9 |
| | 2.0 | 3.3 | 7.6 | 10.3 | 0.73 | 7.8 | 95.3 | 4.12 | 10.9 | 7.4 | 0.68 | 0.53 | 12.7 | 20.7 |
| | 3.0 | 6.4 | 14.8 | 10.8 | 0.74 | 8.2 | 96.5 | 4.27 | 11.1 | 7.4 | 0.67 | 0.50 | 12.7 | 22.3 |
| 70 | 1.5 | 1.7 | 3.9 | 11.2 | 0.75 | 8.6 | 97.6 | 4.37 | 10.4 | 7.1 | 0.69 | 0.61 | 12.4 | 17.0 |
| | 2.0 | 3.2 | 7.5 | 11.4 | 0.75 | 8.9 | 98.3 | 4.45 | 10.4 | 7.1 | 0.69 | 0.60 | 12.4 | 17.5 |
| | 3.0 | 6.3 | 14.6 | 11.9 | 0.76 | 9.3 | 99.6 | 4.60 | 10.5 | 7.1 | 0.68 | 0.56 | 12.4 | 18.6 |
| 80 | 1.5 | 1.7 | 3.8 | 12.5 | 0.77 | 9.9 | 101.1 | 4.77 | 9.9 | 6.9 | 0.70 | 0.69 | 12.2 | 14.3 |
| | 2.0 | 3.2 | 7.3 | 12.8 | 0.77 | 10.2 | 101.9 | 4.85 | 9.9 | 6.9 | 0.70 | 0.68 | 12.2 | 14.6 |
| | 3.0 | 6.2 | 14.2 | 13.2 | 0.78 | 10.6 | 103.0 | 4.97 | 9.8 | 6.9 | 0.70 | 0.63 | 12.0 | 15.6 |
| 90 | 1.5 | 1.6 | 3.7 | 14.0 | 0.79 | 11.3 | 105.0 | 5.19 | 9.4 | 6.7 | 0.71 | 0.78 | 12.1 | 12.1 |
| | 2.0 | 3.1 | 7.2 | 14.3 | 0.80 | 11.6 | 105.8 | 5.27 | 9.4 | 6.7 | 0.71 | 0.77 | 12.1 | 12.3 |
| | 3.0 | 6.0 | 13.9 | 14.5 | 0.80 | 11.8 | 106.4 | 5.31 | 9.2 | 6.7 | 0.73 | 0.70 | 11.6 | 13.2 |
| 100 | 1.5 | 1.6 | 3.6 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.0 | 7.0 | | | | | | 9.0 | 6.5 | 0.72 | 0.87 | 12.0 | 10.3 |
| | 3.0 | 5.9 | 13.6 | | | | | | 8.6 | 6.5 | 0.75 | 0.80 | 11.4 | 10.8 |
| 110 | 1.5 | 1.5 | 3.5 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.0 | 6.9 | | | | | | 8.6 | 6.2 | 0.73 | 0.99 | 11.9 | 8.7 |
| | 3.0 | 5.7 | 13.2 | | | | | | 8.0 | 6.3 | 0.78 | 0.90 | 11.1 | 8.9 |
| 120 | 1.5 | 1.5 | 3.4 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 2.9 | 6.8 | | | | | | 8.2 | 6.0 | 0.74 | 1.12 | 12.0 | 7.3 |
| | 3.0 | 5.6 | 12.9 | | | | | | 7.5 | 6.0 | 0.80 | 1.02 | 10.9 | 7.3 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB012 - Performance Data

Single Speed with PSC (400 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70 °F | | | | | COOLING - EAT 80/67 °F | | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|-------------|--------------|-----------|------|---------------------------|--------------|--------------|-------------|--------------|------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER |
| 20 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.3 | | | | | | | | | | | |
| | 3.5 | 1.7 | 3.9 | 7.5 | 0.78 | 4.8 | 85.3 | 2.80 | | | | | | |
| 30 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.3 | 9.0 | 0.80 | 6.3 | 88.8 | 3.29 | 16.3 | 10.3 | 0.63 | 0.43 | 17.8 | 37.7 |
| | 3.5 | 1.7 | 3.9 | 9.1 | 0.81 | 6.3 | 89.1 | 3.29 | 16.5 | 10.3 | 0.62 | 0.41 | 18.0 | 40.2 |
| 40 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.3 | 10.0 | 0.82 | 7.2 | 91.1 | 3.57 | 15.8 | 10.1 | 0.64 | 0.49 | 17.4 | 31.9 |
| | 3.5 | 1.7 | 3.9 | 10.3 | 0.83 | 7.4 | 91.7 | 3.64 | 16.0 | 10.1 | 0.63 | 0.46 | 17.6 | 34.9 |
| 50 | 1.5 | 0.3 | 0.7 | 10.6 | 0.83 | 7.8 | 92.5 | 3.75 | 15.0 | 10.0 | 0.66 | 0.61 | 17.1 | 24.6 |
| | 2.5 | 1.0 | 2.3 | 11.0 | 0.83 | 8.2 | 93.5 | 3.86 | 15.2 | 9.9 | 0.65 | 0.56 | 17.1 | 27.3 |
| | 3.5 | 1.7 | 3.8 | 11.4 | 0.84 | 8.5 | 94.4 | 3.97 | 15.5 | 9.9 | 0.64 | 0.51 | 17.2 | 30.6 |
| 60 | 1.5 | 0.3 | 0.7 | 11.8 | 0.85 | 8.9 | 95.2 | 4.08 | 14.5 | 9.7 | 0.67 | 0.69 | 16.9 | 21.1 |
| | 2.5 | 1.0 | 2.3 | 12.2 | 0.85 | 9.3 | 96.3 | 4.21 | 14.7 | 9.7 | 0.66 | 0.64 | 16.9 | 23.1 |
| | 3.5 | 1.7 | 3.8 | 12.7 | 0.86 | 9.8 | 97.4 | 4.33 | 14.9 | 9.7 | 0.65 | 0.59 | 16.9 | 25.3 |
| 70 | 1.5 | 0.3 | 0.7 | 12.9 | 0.86 | 10.0 | 98.0 | 4.40 | 14.1 | 9.4 | 0.67 | 0.77 | 16.7 | 18.3 |
| | 2.5 | 1.0 | 2.3 | 13.5 | 0.87 | 10.5 | 99.2 | 4.54 | 14.2 | 9.5 | 0.67 | 0.72 | 16.7 | 19.8 |
| | 3.5 | 1.7 | 3.8 | 14.0 | 0.88 | 11.0 | 100.4 | 4.67 | 14.4 | 9.6 | 0.67 | 0.67 | 16.7 | 21.4 |
| 80 | 1.5 | 0.3 | 0.7 | 14.3 | 0.88 | 11.3 | 101.2 | 4.76 | 13.6 | 9.2 | 0.68 | 0.87 | 16.6 | 15.7 |
| | 2.5 | 1.0 | 2.2 | 14.9 | 0.89 | 11.9 | 102.6 | 4.92 | 13.8 | 9.3 | 0.68 | 0.82 | 16.6 | 16.8 |
| | 3.5 | 1.6 | 3.8 | 15.3 | 0.90 | 12.2 | 103.4 | 5.00 | 13.9 | 9.4 | 0.68 | 0.76 | 16.5 | 18.2 |
| 90 | 1.5 | 0.3 | 0.7 | 15.8 | 0.90 | 12.8 | 104.7 | 5.15 | 13.2 | 9.0 | 0.68 | 0.97 | 16.5 | 13.6 |
| | 2.5 | 1.0 | 2.2 | 16.5 | 0.91 | 13.4 | 106.3 | 5.34 | 13.3 | 9.2 | 0.69 | 0.93 | 16.5 | 14.2 |
| | 3.5 | 1.6 | 3.8 | 16.6 | 0.92 | 13.5 | 106.4 | 5.32 | 13.4 | 9.2 | 0.69 | 0.85 | 16.3 | 15.7 |
| 100 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.2 | | | | | | 12.9 | 9.0 | 0.70 | 1.06 | 16.5 | 12.1 |
| | 3.5 | 1.6 | 3.7 | | | | | | 13.0 | 9.1 | 0.70 | 0.95 | 16.2 | 13.7 |
| 110 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.2 | | | | | | 12.4 | 8.8 | 0.71 | 1.21 | 16.5 | 10.3 |
| | 3.5 | 1.6 | 3.6 | | | | | | 12.6 | 8.9 | 0.71 | 1.05 | 16.2 | 12.0 |
| 120 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.2 | | | | | | 12.0 | 8.6 | 0.72 | 1.37 | 16.7 | 8.8 |
| | 3.5 | 1.5 | 3.5 | | | | | | 12.1 | 8.7 | 0.72 | 1.16 | 16.0 | 10.5 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB015 - Performance Data

Single Speed with PSC (500 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70 °F | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|-------------|--------------|-----------|------|---------------------------|--------------|--------------|-------------|--------------|------|---------------------------|--|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | | |
| | | | | | | | | | | | | | | | Operation not recommended | |
| 20 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | Operation not recommended | | | | | | | |
| | 3.0 | 1.6 | 3.7 | Operation not recommended | | | | | | | | | | | | |
| | 4.0 | 2.7 | 6.1 | 10.5 | 0.95 | 7.2 | 87.4 | 3.22 | Operation not recommended | | | | | | | |
| 30 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | Operation not recommended | | | | | | | |
| | 3.0 | 1.6 | 3.7 | 11.3 | 0.99 | 7.9 | 88.8 | 3.32 | 16.2 | 10.5 | 0.65 | 0.52 | 18.0 | 31.1 | | |
| | 4.0 | 2.6 | 6.1 | 11.4 | 0.99 | 8.0 | 89.1 | 3.37 | 15.3 | 10.0 | 0.65 | 0.52 | 17.1 | 29.7 | | |
| 40 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | Operation not recommended | | | | | | | |
| | 3.0 | 1.6 | 3.7 | 12.4 | 1.01 | 9.0 | 91.0 | 3.59 | 16.7 | 10.9 | 0.66 | 0.59 | 18.7 | 28.2 | | |
| | 4.0 | 2.6 | 6.0 | 12.7 | 1.01 | 9.3 | 91.6 | 3.68 | 16.4 | 10.7 | 0.66 | 0.57 | 18.3 | 28.7 | | |
| 50 | 2.0 | 0.6 | 1.4 | 13.3 | 1.04 | 9.7 | 92.6 | 3.76 | 16.9 | 11.3 | 0.67 | 0.70 | 19.3 | 24.2 | | |
| | 3.0 | 1.6 | 3.7 | 13.7 | 1.04 | 10.1 | 93.3 | 3.87 | 17.1 | 11.4 | 0.66 | 0.66 | 19.4 | 25.9 | | |
| | 4.0 | 2.6 | 6.0 | 14.1 | 1.04 | 10.5 | 94.1 | 3.98 | 17.4 | 11.5 | 0.66 | 0.62 | 19.5 | 27.8 | | |
| 60 | 2.0 | 0.6 | 1.4 | 14.7 | 1.05 | 11.1 | 95.2 | 4.09 | 16.1 | 10.9 | 0.68 | 0.79 | 18.8 | 20.3 | | |
| | 3.0 | 1.6 | 3.7 | 15.2 | 1.06 | 11.5 | 96.1 | 4.20 | 16.3 | 11.0 | 0.67 | 0.75 | 18.9 | 21.6 | | |
| | 4.0 | 2.6 | 6.0 | 15.6 | 1.06 | 12.0 | 96.9 | 4.31 | 16.5 | 11.1 | 0.67 | 0.72 | 19.0 | 23.1 | | |
| 70 | 2.0 | 0.6 | 1.4 | 16.1 | 1.07 | 12.4 | 97.8 | 4.40 | 15.2 | 10.5 | 0.69 | 0.89 | 18.3 | 17.2 | | |
| | 3.0 | 1.6 | 3.7 | 16.6 | 1.08 | 13.0 | 98.8 | 4.51 | 15.4 | 10.6 | 0.69 | 0.85 | 18.3 | 18.2 | | |
| | 4.0 | 2.6 | 6.0 | 17.2 | 1.09 | 13.5 | 99.8 | 4.62 | 15.7 | 10.6 | 0.68 | 0.81 | 18.4 | 19.4 | | |
| 80 | 2.0 | 0.6 | 1.4 | 17.7 | 1.09 | 14.0 | 100.8 | 4.76 | 14.5 | 10.2 | 0.70 | 1.00 | 17.9 | 14.4 | | |
| | 3.0 | 1.6 | 3.7 | 18.4 | 1.11 | 14.6 | 102.0 | 4.88 | 14.7 | 10.2 | 0.70 | 0.96 | 17.9 | 15.3 | | |
| | 4.0 | 2.6 | 5.9 | 18.8 | 1.11 | 15.0 | 102.8 | 4.96 | 14.9 | 10.4 | 0.70 | 0.91 | 18.0 | 16.4 | | |
| 90 | 2.0 | 0.6 | 1.4 | 19.5 | 1.11 | 15.7 | 104.2 | 5.15 | 13.7 | 9.9 | 0.72 | 1.13 | 17.6 | 12.2 | | |
| | 3.0 | 1.6 | 3.6 | 20.3 | 1.13 | 16.4 | 105.6 | 5.26 | 13.9 | 9.8 | 0.71 | 1.09 | 17.6 | 12.8 | | |
| | 4.0 | 2.6 | 5.9 | 20.4 | 1.13 | 16.5 | 105.7 | 5.28 | 14.2 | 10.1 | 0.71 | 1.02 | 17.6 | 13.9 | | |
| 100 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | Operation not recommended | | | | | | | |
| | 3.0 | 1.6 | 3.6 | Operation not recommended | | | | | | | | | | | | |
| | 4.0 | 2.5 | 5.9 | Operation not recommended | | | | | | | | | | | | |
| 110 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | Operation not recommended | | | | | | | |
| | 3.0 | 1.6 | 3.6 | Operation not recommended | | | | | | | | | | | | |
| | 4.0 | 2.5 | 5.9 | Operation not recommended | | | | | | | | | | | | |
| 120 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | Operation not recommended | | | | | | | |
| | 3.0 | 1.6 | 3.6 | Operation not recommended | | | | | | | | | | | | |
| | 4.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB018 - Performance Data

Single Speed with PSC (600 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70 °F | | | | | | COOLING - EAT 80/67 °F | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|-------------|--------------|-----------|------|---------------|---------------------------|--------------|--------------|-------------|--------------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h |
| 20 | 3.0 | 1.6 | 3.8 | Operation not recommended | | | | | | Operation not recommended | | | | |
| | 4.0 | 2.9 | 6.8 | Operation not recommended | | | | | | Operation not recommended | | | | |
| | 5.0 | 4.3 | 9.9 | 12.7 | 1.18 | 8.7 | 87.6 | 3.16 | 1.4 | Operation not recommended | | | | |
| 30 | 3.0 | 1.6 | 3.7 | Operation not recommended | | | | | | Operation not recommended | | | | |
| | 4.0 | 2.9 | 6.7 | 14.4 | 1.25 | 10.1 | 90.2 | 3.36 | 1.5 | 19.5 | 12.9 | 0.66 | 0.76 | 22.1 |
| | 5.0 | 4.2 | 9.7 | 14.6 | 1.26 | 10.3 | 90.5 | 3.40 | 1.5 | 18.8 | 12.4 | 0.66 | 0.74 | 21.4 |
| 40 | 3.0 | 1.6 | 3.6 | Operation not recommended | | | | | | Operation not recommended | | | | |
| | 4.0 | 2.9 | 6.6 | 15.9 | 1.31 | 11.4 | 92.5 | 3.55 | 1.6 | 19.9 | 13.0 | 0.65 | 0.81 | 22.7 |
| | 5.0 | 4.2 | 9.6 | 16.3 | 1.32 | 11.8 | 93.1 | 3.61 | 1.6 | 19.8 | 12.7 | 0.64 | 0.75 | 22.3 |
| 50 | 3.0 | 1.6 | 3.6 | 17.1 | 1.36 | 12.4 | 94.3 | 3.69 | 1.7 | 20.1 | 13.2 | 0.65 | 0.95 | 23.3 |
| | 4.0 | 2.9 | 6.6 | 17.5 | 1.37 | 12.8 | 95.0 | 3.75 | 1.7 | 20.4 | 13.1 | 0.64 | 0.86 | 23.3 |
| | 5.0 | 4.2 | 9.6 | 17.9 | 1.38 | 13.2 | 95.7 | 3.81 | 1.8 | 20.7 | 13.1 | 0.63 | 0.77 | 23.3 |
| 60 | 3.0 | 1.5 | 3.5 | 19.0 | 1.42 | 14.2 | 97.4 | 3.94 | 1.9 | 19.2 | 12.6 | 0.66 | 1.00 | 22.6 |
| | 4.0 | 2.8 | 6.5 | 19.4 | 1.43 | 14.5 | 98.0 | 3.98 | 1.9 | 19.4 | 12.6 | 0.65 | 0.94 | 22.6 |
| | 5.0 | 4.1 | 9.5 | 19.8 | 1.45 | 14.9 | 98.6 | 4.02 | 2.0 | 19.6 | 12.6 | 0.64 | 0.88 | 22.6 |
| 70 | 3.0 | 1.5 | 3.5 | 21.0 | 1.48 | 16.0 | 100.4 | 4.17 | 2.1 | 18.3 | 12.1 | 0.66 | 1.05 | 21.9 |
| | 4.0 | 2.8 | 6.5 | 21.4 | 1.50 | 16.3 | 101.0 | 4.18 | 2.1 | 18.4 | 12.1 | 0.66 | 1.02 | 21.9 |
| | 5.0 | 4.1 | 9.5 | 21.7 | 1.52 | 16.6 | 101.6 | 4.20 | 2.2 | 18.5 | 12.1 | 0.66 | 0.99 | 21.9 |
| 80 | 3.0 | 1.5 | 3.4 | 23.3 | 1.54 | 18.1 | 104.0 | 4.44 | 2.4 | 17.5 | 11.6 | 0.66 | 1.11 | 21.3 |
| | 4.0 | 2.8 | 6.4 | 23.7 | 1.57 | 18.3 | 104.5 | 4.43 | 2.4 | 17.5 | 11.6 | 0.67 | 1.12 | 21.3 |
| | 5.0 | 4.1 | 9.4 | 24.0 | 1.58 | 18.6 | 105.1 | 4.45 | 2.5 | 17.7 | 11.8 | 0.67 | 1.12 | 21.5 |
| 90 | 3.0 | 1.5 | 3.4 | 25.9 | 1.61 | 20.4 | 108.0 | 4.72 | 2.8 | 16.7 | 11.1 | 0.66 | 1.17 | 20.7 |
| | 4.0 | 2.8 | 6.4 | 26.1 | 1.64 | 20.5 | 108.3 | 4.68 | 2.8 | 16.6 | 11.2 | 0.67 | 1.22 | 20.8 |
| | 5.0 | 4.0 | 9.2 | 26.3 | 1.65 | 20.7 | 108.6 | 4.67 | 2.8 | 16.8 | 11.4 | 0.68 | 1.24 | 21.1 |
| 100 | 3.0 | 1.4 | 3.3 | Operation not recommended | | | | | | Operation not recommended | | | | |
| | 4.0 | 2.7 | 6.3 | Operation not recommended | | | | | | 15.8 | 10.7 | 0.68 | 1.34 | 20.4 |
| | 5.0 | 4.0 | 9.1 | Operation not recommended | | | | | | 15.8 | 11.0 | 0.70 | 1.37 | 20.4 |
| 110 | 3.0 | 1.4 | 3.2 | Operation not recommended | | | | | | Operation not recommended | | | | |
| | 4.0 | 2.7 | 6.2 | Operation not recommended | | | | | | 15.0 | 10.3 | 0.69 | 1.46 | 20.0 |
| | 5.0 | 3.9 | 9.0 | Operation not recommended | | | | | | 14.7 | 10.7 | 0.73 | 1.50 | 19.8 |
| 120 | 3.0 | 1.4 | 3.2 | Operation not recommended | | | | | | Operation not recommended | | | | |
| | 4.0 | 2.7 | 6.2 | Operation not recommended | | | | | | 14.3 | 9.9 | 0.70 | 1.60 | 19.7 |
| | 5.0 | 3.9 | 8.9 | Operation not recommended | | | | | | 13.7 | 10.2 | 0.75 | 1.66 | 19.4 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB024 - Performance Data

Single Speed with PSC (800 CFM)

| EWT °F | WATER FLOW GPM | WPD | | HEATING - EAT 70 °F | | | | | | COOLING - EAT 80/67 °F | | | | | | |
|-----------|----------------------|-----|-----|---------------------------|------|------|-------|------|-----|---------------------------|------|------|------|------|------|-----|
| | | PSI | FT | HC | KW | HE | LAT | COP | HWC | TC | SC | S/T | KW | HR | EER | HWC |
| 20 | 4.0 | 1.2 | 2.8 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.1 | 4.9 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 8.0 | 4.2 | 9.7 | 15.4 | 1.50 | 10.3 | 85.8 | 3.01 | 1.6 | | | | | | | |
| 30 | 4.0 | 1.1 | 2.6 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.1 | 4.9 | 19.1 | 1.57 | 13.8 | 90.1 | 3.58 | 1.7 | 26.5 | 17.0 | 0.64 | 0.96 | 29.8 | 27.7 | --- |
| | 8.0 | 4.1 | 9.5 | 18.9 | 1.60 | 13.4 | 89.9 | 3.46 | 1.7 | 26.9 | 17.3 | 0.64 | 0.90 | 30.0 | 29.9 | --- |
| 40 | 4.0 | 1.1 | 2.5 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.0 | 4.6 | 21.3 | 1.61 | 15.8 | 92.7 | 3.88 | 1.9 | 27.6 | 18.4 | 0.67 | 1.05 | 31.2 | 26.2 | --- |
| | 8.0 | 4.1 | 9.5 | 21.7 | 1.64 | 16.1 | 93.1 | 3.89 | 1.9 | 27.7 | 18.5 | 0.67 | 1.00 | 31.1 | 27.7 | --- |
| 50 | 4.0 | 1.1 | 2.5 | 23.0 | 1.65 | 17.4 | 94.6 | 4.09 | 2.1 | 28.8 | 19.9 | 0.69 | 1.20 | 32.9 | 24.0 | 1.3 |
| | 6.0 | 2.0 | 4.6 | 23.8 | 1.66 | 18.1 | 95.5 | 4.19 | 2.1 | 28.7 | 19.8 | 0.69 | 1.15 | 32.6 | 24.9 | 1.2 |
| | 8.0 | 4.0 | 9.3 | 24.5 | 1.67 | 18.8 | 96.4 | 4.30 | 2.2 | 28.5 | 19.6 | 0.69 | 1.10 | 32.3 | 25.9 | 1.2 |
| 60 | 4.0 | 1.0 | 2.2 | 25.9 | 1.70 | 20.1 | 97.9 | 4.47 | 2.3 | 27.8 | 19.4 | 0.70 | 1.35 | 32.4 | 20.6 | 1.5 |
| | 6.0 | 1.9 | 4.4 | 26.7 | 1.71 | 20.8 | 98.8 | 4.57 | 2.4 | 27.8 | 19.4 | 0.70 | 1.29 | 32.2 | 21.5 | 1.4 |
| | 8.0 | 3.9 | 9.0 | 27.5 | 1.73 | 21.6 | 99.8 | 4.66 | 2.4 | 27.8 | 19.3 | 0.69 | 1.24 | 32.0 | 22.5 | 1.4 |
| 70 | 4.0 | 0.9 | 2.1 | 28.7 | 1.74 | 22.8 | 101.2 | 4.83 | 2.6 | 26.7 | 18.9 | 0.71 | 1.50 | 31.8 | 17.8 | 1.8 |
| | 6.0 | 1.8 | 4.2 | 29.6 | 1.76 | 23.5 | 102.2 | 4.92 | 2.6 | 26.9 | 19.0 | 0.70 | 1.44 | 31.8 | 18.7 | 1.8 |
| | 8.0 | 3.8 | 8.7 | 30.4 | 1.78 | 24.3 | 103.2 | 5.01 | 2.7 | 27.1 | 19.0 | 0.70 | 1.37 | 31.8 | 19.8 | 1.7 |
| 80 | 4.0 | 0.8 | 1.9 | 31.8 | 1.81 | 25.6 | 104.8 | 5.16 | 2.9 | 24.9 | 18.5 | 0.74 | 1.66 | 30.6 | 15.0 | 2.3 |
| | 6.0 | 1.7 | 3.9 | 32.5 | 1.83 | 26.3 | 105.6 | 5.21 | 2.9 | 25.4 | 18.6 | 0.73 | 1.59 | 30.8 | 16.0 | 2.2 |
| | 8.0 | 3.7 | 8.5 | 33.2 | 1.85 | 26.9 | 106.4 | 5.26 | 3.0 | 25.7 | 18.7 | 0.73 | 1.54 | 30.9 | 16.7 | 2.1 |
| 90 | 4.0 | 0.8 | 1.7 | 34.9 | 1.87 | 28.5 | 108.4 | 5.47 | 3.3 | 23.1 | 18.1 | 0.78 | 1.84 | 29.4 | 12.5 | 2.8 |
| | 6.0 | 1.7 | 3.9 | 35.5 | 1.90 | 29.0 | 109.0 | 5.48 | 3.4 | 23.8 | 18.2 | 0.76 | 1.76 | 29.8 | 13.6 | 2.7 |
| | 8.0 | 3.7 | 8.5 | 36.0 | 1.92 | 29.4 | 109.7 | 5.50 | 3.5 | 24.3 | 18.4 | 0.76 | 1.70 | 30.1 | 14.3 | 2.5 |
| 100 | 4.0 | 0.7 | 1.6 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 1.6 | 3.7 | Operation not recommended | | | | | | 22.4 | 17.6 | 0.79 | 2.01 | 29.3 | 11.1 | 3.4 |
| | 8.0 | 3.6 | 8.3 | Operation not recommended | | | | | | 22.8 | 17.8 | 0.78 | 1.95 | 29.4 | 11.7 | 3.2 |
| 110 | 4.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 1.5 | 3.5 | Operation not recommended | | | | | | 20.8 | 16.8 | 0.81 | 2.26 | 28.5 | 9.2 | 4.1 |
| | 8.0 | 3.5 | 8.1 | Operation not recommended | | | | | | 21.2 | 17.1 | 0.81 | 2.20 | 28.7 | 9.6 | 3.9 |
| 120 | 4.0 | 0.6 | 1.3 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 1.5 | 3.5 | Operation not recommended | | | | | | 18.9 | 16.3 | 0.86 | 2.58 | 27.7 | 7.3 | 4.9 |
| | 8.0 | 3.5 | 8.1 | Operation not recommended | | | | | | 19.3 | 16.5 | 0.85 | 2.50 | 27.8 | 7.7 | 4.6 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB030 - Performance Data

Single Speed with PSC (900 cfm)

| EWT °F | Flow gpm | Water | | HEATING - EAT 70°F | | | | | | COOLING - EAT 80/67 °F | | | | | | |
|-----------|-------------|---------------|-------|---------------------------|-------------|--------------|-----------|------|---------------|---------------------------|--------------|--------------|-------------|--------------|------|---------------|
| | | Pressure Drop | | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| | | psi | ft/hd | | | | | | | | | | | | | |
| 20 | 4.0 | 1.4 | 3.5 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.8 | 7.2 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 8.0 | 4.6 | 12.1 | 17.6 | 1.67 | 11.9 | 88.1 | 3.09 | 2.0 | Operation not recommended | | | | | | |
| 30 | 4.0 | 1.4 | 3.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.7 | 7.0 | 20.2 | 1.66 | 14.6 | 90.8 | 3.57 | 2.2 | 26.4 | 18.9 | 0.71 | 1.06 | 30.0 | 24.9 | --- |
| | 8.0 | 4.4 | 11.8 | 20.7 | 1.68 | 14.9 | 91.2 | 3.61 | 2.2 | 26.9 | 18.8 | 0.70 | 1.03 | 30.4 | 26.1 | --- |
| 40 | 4.0 | 1.3 | 3.3 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.6 | 6.8 | 23.7 | 1.70 | 17.9 | 94.4 | 4.07 | 2.4 | 28.7 | 20.4 | 0.71 | 1.14 | 32.6 | 25.1 | --- |
| | 8.0 | 4.3 | 11.4 | 24.2 | 1.72 | 18.3 | 94.9 | 4.12 | 2.5 | 29.1 | 20.3 | 0.70 | 1.11 | 32.9 | 26.1 | --- |
| 50 | 4.0 | 1.3 | 3.2 | 25.9 | 1.74 | 20.0 | 96.6 | 4.36 | 2.6 | 30.7 | 21.8 | 0.71 | 1.29 | 35.1 | 23.8 | 1.5 |
| | 6.0 | 2.5 | 6.6 | 26.8 | 1.75 | 20.8 | 97.6 | 4.49 | 2.7 | 30.8 | 21.9 | 0.71 | 1.25 | 35.0 | 24.7 | 1.4 |
| | 8.0 | 4.2 | 11.1 | 27.4 | 1.76 | 21.3 | 98.1 | 4.55 | 2.8 | 31.2 | 21.9 | 0.70 | 1.22 | 35.3 | 25.5 | 1.4 |
| 60 | 4.0 | 1.2 | 3.1 | 29.1 | 1.80 | 23.0 | 99.9 | 4.75 | 3.0 | 30.0 | 21.4 | 0.72 | 1.40 | 34.7 | 21.4 | 1.8 |
| | 6.0 | 2.4 | 6.4 | 30.1 | 1.81 | 23.9 | 101.0 | 4.89 | 3.0 | 30.0 | 21.5 | 0.71 | 1.35 | 34.7 | 22.2 | 1.7 |
| | 8.0 | 3.9 | 10.7 | 30.7 | 1.82 | 24.5 | 101.6 | 4.93 | 3.1 | 30.4 | 21.5 | 0.71 | 1.32 | 34.9 | 22.9 | 1.6 |
| 70 | 4.0 | 1.2 | 3.0 | 32.4 | 1.87 | 26.0 | 103.3 | 5.08 | 3.3 | 30.1 | 21.7 | 0.72 | 1.54 | 35.4 | 19.5 | 2.2 |
| | 6.0 | 2.4 | 6.2 | 33.5 | 1.88 | 27.1 | 104.5 | 5.22 | 3.4 | 30.2 | 21.7 | 0.72 | 1.49 | 35.3 | 20.3 | 2.1 |
| | 8.0 | 3.9 | 10.4 | 34.1 | 1.90 | 27.6 | 105.1 | 5.24 | 3.5 | 30.6 | 21.8 | 0.71 | 1.46 | 35.5 | 20.9 | 2.0 |
| 80 | 4.0 | 1.2 | 2.9 | 35.1 | 1.93 | 28.5 | 106.1 | 5.32 | 3.7 | 28.9 | 21.4 | 0.74 | 1.70 | 34.7 | 17.0 | 2.8 |
| | 6.0 | 2.3 | 5.9 | 36.4 | 1.95 | 29.7 | 107.4 | 5.46 | 3.8 | 29.0 | 21.4 | 0.74 | 1.64 | 34.6 | 17.7 | 2.7 |
| | 8.0 | 3.8 | 10.0 | 36.9 | 1.98 | 30.2 | 108.0 | 5.48 | 3.9 | 29.3 | 21.5 | 0.73 | 1.61 | 34.8 | 18.2 | 2.5 |
| 90 | 4.0 | 1.1 | 2.8 | 37.9 | 2.01 | 31.0 | 108.9 | 5.51 | 4.2 | 26.7 | 20.2 | 0.76 | 1.87 | 33.1 | 14.3 | 3.5 |
| | 6.0 | 2.2 | 5.7 | 39.3 | 2.04 | 32.3 | 110.4 | 5.64 | 4.3 | 26.9 | 20.2 | 0.75 | 1.80 | 33.0 | 14.9 | 3.3 |
| | 8.0 | 3.6 | 9.6 | 39.9 | 2.06 | 32.8 | 111.0 | 5.66 | 4.4 | 27.1 | 20.3 | 0.75 | 1.77 | 33.2 | 15.3 | 3.2 |
| 100 | 4.0 | 1.1 | 2.7 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.1 | 5.5 | Operation not recommended | | | | | | 25.6 | 20.2 | 0.79 | 2.01 | 32.5 | 12.8 | 4.1 |
| | 8.0 | 3.5 | 9.3 | Operation not recommended | | | | | | 25.9 | 20.3 | 0.78 | 1.97 | 32.6 | 13.1 | 3.9 |
| 110 | 4.0 | 1.0 | 2.6 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.0 | 5.3 | Operation not recommended | | | | | | 21.7 | 18.9 | 0.87 | 2.22 | 29.3 | 9.8 | 5.0 |
| | 8.0 | 3.4 | 8.9 | Operation not recommended | | | | | | 22.0 | 19.0 | 0.87 | 2.17 | 29.4 | 10.1 | 4.7 |
| 120 | 4.0 | 1.0 | 2.5 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 6.0 | 2.0 | 5.1 | Operation not recommended | | | | | | 21.0 | 18.3 | 0.87 | 2.47 | 29.5 | 8.5 | 6.0 |
| | 8.0 | 3.2 | 8.6 | Operation not recommended | | | | | | 21.3 | 18.3 | 0.86 | 2.42 | 29.5 | 8.8 | 5.7 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB036 - Performance Data

Single Speed with PSC (1250 cfm)

| EWT °F | Flow gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | COOLING - EAT 80/67 °F | | | | | |
|--------|----------|---------------------|-------|---------------------------|----------|-----------|--------|------|------------|---------------------------|-----------|-----------|----------|-----------|------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER |
| 20 | 5.0 | 1.0 | 2.4 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 2.1 | 4.9 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.6 | 8.2 | 21.8 | 1.99 | 15.0 | 86.1 | 3.21 | 2.4 | Operation not recommended | | | | | |
| 30 | 5.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 2.1 | 4.7 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.5 | 8.0 | 24.5 | 1.99 | 17.7 | 88.1 | 3.60 | 2.6 | 30.6 | 22.0 | 0.72 | 1.26 | 33.1 | 24.4 |
| 40 | 5.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 2.0 | 4.6 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.4 | 7.8 | 25.0 | 2.01 | 18.1 | 88.5 | 3.64 | 2.7 | 31.1 | 21.4 | 0.69 | 1.22 | 33.5 | 25.6 |
| 50 | 5.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 2.0 | 4.6 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.4 | 7.8 | 28.4 | 2.04 | 21.5 | 91.1 | 4.09 | 3.0 | 33.6 | 23.9 | 0.71 | 1.36 | 36.0 | 24.8 |
| 60 | 5.0 | 1.0 | 2.2 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.9 | 4.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.3 | 7.5 | 29.0 | 2.06 | 22.0 | 91.5 | 4.14 | 3.0 | 34.1 | 23.9 | 0.70 | 1.32 | 36.5 | 25.8 |
| 70 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.9 | 4.3 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.1 | 7.3 | 30.9 | 2.07 | 23.8 | 92.9 | 4.37 | 3.2 | 36.3 | 25.9 | 0.71 | 1.53 | 38.7 | 23.7 |
| 80 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.8 | 4.2 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.0 | 7.0 | 32.0 | 2.08 | 24.9 | 93.7 | 4.51 | 3.3 | 36.4 | 26.0 | 0.72 | 1.48 | 38.8 | 24.6 |
| 90 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.8 | 4.2 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.0 | 7.0 | 32.6 | 2.10 | 25.5 | 94.2 | 4.56 | 3.4 | 36.8 | 26.0 | 0.71 | 1.45 | 39.2 | 25.5 |
| 100 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.9 | 4.3 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.1 | 7.3 | 34.7 | 2.11 | 27.5 | 95.7 | 4.81 | 3.6 | 36.0 | 26.5 | 0.74 | 1.65 | 38.5 | 21.8 |
| 110 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.8 | 4.2 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.0 | 7.0 | 35.9 | 2.12 | 28.6 | 96.6 | 4.95 | 3.7 | 36.1 | 26.6 | 0.74 | 1.60 | 38.6 | 22.6 |
| 120 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.9 | 6.8 | 36.6 | 2.15 | 29.2 | 97.1 | 4.99 | 3.8 | 36.5 | 26.6 | 0.73 | 1.56 | 39.0 | 23.4 |
| 130 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.9 | 6.8 | 38.6 | 2.16 | 31.3 | 98.6 | 5.24 | 4.1 | 36.5 | 27.5 | 0.75 | 1.81 | 39.1 | 20.1 |
| 140 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.8 | 4.2 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 3.0 | 7.0 | 40.0 | 2.18 | 32.6 | 99.6 | 5.38 | 4.2 | 36.6 | 27.5 | 0.75 | 1.75 | 39.2 | 20.9 |
| 150 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.9 | 6.8 | 40.7 | 2.20 | 33.2 | 100.1 | 5.41 | 4.3 | 37.0 | 27.6 | 0.75 | 1.72 | 39.6 | 21.6 |
| 160 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.9 | 6.8 | 41.8 | 2.20 | 34.3 | 101.0 | 5.57 | 4.6 | 35.6 | 27.4 | 0.77 | 1.99 | 38.3 | 17.9 |
| 170 | 5.0 | 0.8 | 1.9 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.8 | 6.6 | 43.4 | 2.23 | 35.8 | 102.1 | 5.71 | 4.7 | 35.8 | 27.4 | 0.76 | 1.91 | 38.4 | 18.7 |
| 180 | 5.0 | 0.8 | 1.9 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.8 | 6.6 | 44.1 | 2.25 | 36.4 | 102.6 | 5.73 | 4.8 | 36.2 | 27.5 | 0.76 | 1.88 | 38.8 | 19.2 |
| 190 | 5.0 | 0.8 | 1.9 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.8 | 6.6 | 45.3 | 2.25 | 37.6 | 103.5 | 5.89 | 5.1 | 33.4 | 26.6 | 0.80 | 2.17 | 36.1 | 15.4 |
| 200 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.6 | 3.8 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.7 | 6.3 | 47.0 | 2.28 | 39.2 | 104.8 | 6.03 | 5.3 | 33.6 | 26.6 | 0.79 | 2.09 | 36.3 | 16.1 |
| 210 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.6 | 3.8 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.7 | 6.3 | 47.7 | 2.31 | 39.8 | 105.3 | 6.05 | 5.4 | 33.9 | 26.7 | 0.79 | 2.05 | 36.6 | 16.5 |
| 220 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.6 | 3.8 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.7 | 6.3 | Operation not recommended | | | | | | | | | | | |
| 230 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.6 | 3.6 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.6 | 6.1 | Operation not recommended | | | | | | | | | | | |
| 240 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 250 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 260 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 270 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 280 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 290 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 300 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 310 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 320 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 330 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 340 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 350 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 360 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 370 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 380 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 390 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 400 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 410 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 420 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 430 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 440 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 450 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 460 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 470 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 480 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 490 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 500 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 510 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 520 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 530 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 540 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 550 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 560 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 570 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 580 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 590 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 600 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 610 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 620 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 630 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | |
| 640 | 5.0 | 0.7 | 1.7 | Operation not | | | | | | | | | | | |

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB042 - Performance Data

Single Speed with PSC (1350 cfm)

| EWT °F | Flow gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | COOLING - EAT 80/67 °F | | | | | | | | | | | | |
|-----------|-------------|------------------------|-------|---------------------------|-------------|--------------|-----------|------|---------------|---------------------------|--------------|--------------|-------------|--------------|------|---------------|------|------|------|------|-----|------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h | | | | | | |
| 20 | 5.0 | 0.8 | 1.9 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 8.0 | 2.3 | 5.3 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 11.0 | 4.4 | 10.3 | 25.4 | 2.41 | 17.1 | 87.4 | 3.09 | 3.7 | Operation not recommended | | | | | | | | | | | | |
| 30 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 8.0 | 2.2 | 5.1 | 29.3 | 2.45 | 21.0 | 90.1 | 3.51 | 3.9 | 41.0 | 28.4 | 0.69 | 1.73 | 43.4 | 23.8 | --- | | | | | | |
| | 11.0 | 4.3 | 10.0 | 29.7 | 2.45 | 21.4 | 90.4 | 3.56 | 4.0 | 41.4 | 27.8 | 0.67 | 1.69 | 43.7 | 24.6 | --- | | | | | | |
| 40 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 8.0 | 2.1 | 4.9 | 33.3 | 2.52 | 24.7 | 92.9 | 3.88 | 4.3 | 42.7 | 29.7 | 0.70 | 1.81 | 45.1 | 23.5 | --- | | | | | | |
| | 11.0 | 4.2 | 9.7 | 33.9 | 2.52 | 25.3 | 93.3 | 3.94 | 4.4 | 43.1 | 29.7 | 0.69 | 1.77 | 45.5 | 24.4 | --- | | | | | | |
| 50 | 5.0 | 0.7 | 1.7 | 35.8 | 2.52 | 27.2 | 94.6 | 4.16 | 4.7 | 43.3 | 30.7 | 0.71 | 2.01 | 45.7 | 21.6 | 2.6 | | | | | | |
| | 8.0 | 2.1 | 4.8 | 37.3 | 2.57 | 28.5 | 95.6 | 4.26 | 4.8 | 43.8 | 31.0 | 0.71 | 1.93 | 46.2 | 22.7 | 2.5 | | | | | | |
| | 11.0 | 4.1 | 9.4 | 38.0 | 2.58 | 29.3 | 96.1 | 4.33 | 5.0 | 44.2 | 31.0 | 0.70 | 1.88 | 46.6 | 23.5 | 2.4 | | | | | | |
| 60 | 5.0 | 0.7 | 1.7 | 39.3 | 2.57 | 30.5 | 97.0 | 4.48 | 5.3 | 43.1 | 31.4 | 0.73 | 2.17 | 45.6 | 19.8 | 3.2 | | | | | | |
| | 8.0 | 2.0 | 4.6 | 41.1 | 2.63 | 32.1 | 98.2 | 4.58 | 5.4 | 43.6 | 31.7 | 0.73 | 2.08 | 46.1 | 20.9 | 3.0 | | | | | | |
| | 11.0 | 3.9 | 9.1 | 42.0 | 2.65 | 33.0 | 98.8 | 4.66 | 5.6 | 44.1 | 31.7 | 0.72 | 2.03 | 46.5 | 21.7 | 2.9 | | | | | | |
| 70 | 5.0 | 0.7 | 1.6 | 42.7 | 2.63 | 33.7 | 99.3 | 4.76 | 6.0 | 43.1 | 32.4 | 0.75 | 2.37 | 45.7 | 18.2 | 4.0 | | | | | | |
| | 8.0 | 1.9 | 4.5 | 44.8 | 2.70 | 35.5 | 100.7 | 4.86 | 6.1 | 43.8 | 32.8 | 0.75 | 2.26 | 46.4 | 19.4 | 3.8 | | | | | | |
| | 11.0 | 3.8 | 8.8 | 45.9 | 2.73 | 36.6 | 101.5 | 4.94 | 6.3 | 44.3 | 32.8 | 0.74 | 2.21 | 46.8 | 20.1 | 3.6 | | | | | | |
| 80 | 5.0 | 0.7 | 1.6 | 45.9 | 2.65 | 36.9 | 101.5 | 5.09 | 6.7 | 41.4 | 31.7 | 0.77 | 2.59 | 44.0 | 15.9 | 5.1 | | | | | | |
| | 8.0 | 1.9 | 4.3 | 48.4 | 2.73 | 39.0 | 103.2 | 5.18 | 6.9 | 42.1 | 32.0 | 0.76 | 2.47 | 44.7 | 17.0 | 4.8 | | | | | | |
| | 11.0 | 3.7 | 8.5 | 49.8 | 2.77 | 40.3 | 104.1 | 5.28 | 7.1 | 42.6 | 32.0 | 0.75 | 2.41 | 45.1 | 17.7 | 4.6 | | | | | | |
| 90 | 5.0 | 0.7 | 1.5 | 49.1 | 2.68 | 40.0 | 103.7 | 5.37 | 7.5 | 39.0 | 30.8 | 0.79 | 2.86 | 41.7 | 13.7 | 6.4 | | | | | | |
| | 8.0 | 1.8 | 4.2 | 51.8 | 2.78 | 42.4 | 105.6 | 5.47 | 7.8 | 39.8 | 31.1 | 0.78 | 2.72 | 42.5 | 14.7 | 6.1 | | | | | | |
| | 11.0 | 3.5 | 8.2 | 53.5 | 2.82 | 43.9 | 106.7 | 5.57 | 8.0 | 40.2 | 31.1 | 0.77 | 2.64 | 42.9 | 15.2 | 5.8 | | | | | | |
| 100 | 5.0 | 0.6 | 1.5 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 8.0 | 1.7 | 4.0 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 11.0 | 3.4 | 7.9 | Operation not recommended | | | | | | 38.2 | 30.5 | 0.80 | 2.98 | 40.9 | 12.8 | 7.5 | | | | | | |
| 110 | 5.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 8.0 | 1.7 | 3.9 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 11.0 | 3.3 | 7.6 | Operation not recommended | | | | | | 34.6 | 28.2 | 0.82 | 3.29 | 37.4 | 10.5 | 9.2 | | | | | | |
| 120 | 5.0 | 0.6 | 1.3 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 8.0 | 1.6 | 3.7 | Operation not recommended | | | | | | Operation not recommended | | | | | | | | | | | | |
| | 11.0 | 3.2 | 7.3 | Operation not recommended | | | | | | 32.5 | 27.9 | 0.86 | 3.61 | 35.4 | 9.0 | 11.1 | | | | | | |
| | | | | | | | | | | | | | | | | 32.8 | 27.9 | 0.85 | 3.52 | 35.7 | 9.3 | 10.6 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB048 - Performance Data

Single Speed with PSC (1500 cfm)

| EWT °F | Flow gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | COOLING - EAT 80/67 °F | | | | | | |
|--------|----------|---------------------|-------|---------------------------|----------|-----------|--------|------|------------|---------------------------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 6.0 | 1.1 | 2.6 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 9.0 | 2.3 | 5.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 4.0 | 9.2 | 32.8 | 3.05 | 22.4 | 90.2 | 3.15 | 4.8 | Operation not recommended | | | | | | |
| 30 | 6.0 | 1.1 | 2.5 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 9.0 | 2.3 | 5.3 | 37.5 | 3.13 | 26.8 | 93.1 | 3.51 | 5.2 | 49.7 | 34.1 | 0.69 | 1.90 | 52.0 | 26.1 | --- |
| | 12.0 | 3.9 | 9.0 | 38.0 | 3.13 | 27.3 | 93.5 | 3.56 | 5.3 | 50.2 | 33.5 | 0.67 | 1.85 | 52.5 | 27.1 | --- |
| 40 | 6.0 | 1.1 | 2.5 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 9.0 | 2.2 | 5.1 | 43.0 | 3.23 | 32.0 | 96.6 | 3.90 | 5.7 | 51.5 | 35.3 | 0.69 | 2.06 | 53.9 | 25.0 | --- |
| | 12.0 | 3.8 | 8.7 | 43.8 | 3.24 | 32.7 | 97.0 | 3.96 | 5.8 | 52.1 | 35.3 | 0.68 | 2.01 | 54.4 | 25.9 | --- |
| 50 | 6.0 | 1.0 | 2.4 | 46.2 | 3.26 | 35.1 | 98.5 | 4.16 | 6.2 | 52.5 | 36.7 | 0.70 | 2.35 | 54.9 | 22.3 | 3.1 |
| | 9.0 | 2.1 | 4.9 | 48.1 | 3.32 | 36.7 | 99.7 | 4.25 | 6.4 | 53.1 | 37.1 | 0.70 | 2.26 | 55.5 | 23.5 | 2.9 |
| | 12.0 | 3.7 | 8.4 | 49.0 | 3.33 | 37.7 | 100.3 | 4.31 | 6.5 | 53.6 | 37.1 | 0.69 | 2.20 | 56.0 | 24.4 | 2.8 |
| 60 | 6.0 | 1.0 | 2.3 | 50.8 | 3.33 | 39.5 | 101.4 | 4.48 | 7.0 | 51.1 | 36.3 | 0.71 | 2.58 | 53.5 | 19.8 | 3.7 |
| | 9.0 | 2.1 | 4.8 | 53.1 | 3.41 | 41.5 | 102.8 | 4.57 | 7.2 | 51.8 | 36.6 | 0.71 | 2.47 | 54.2 | 21.0 | 3.6 |
| | 12.0 | 3.5 | 8.2 | 54.4 | 3.43 | 42.7 | 103.6 | 4.64 | 7.4 | 52.3 | 36.6 | 0.70 | 2.40 | 54.7 | 21.8 | 3.4 |
| 70 | 6.0 | 1.0 | 2.2 | 55.5 | 3.41 | 43.9 | 104.3 | 4.78 | 7.9 | 50.8 | 36.7 | 0.72 | 2.86 | 53.2 | 17.8 | 4.7 |
| | 9.0 | 2.0 | 4.6 | 58.2 | 3.51 | 46.3 | 105.9 | 4.87 | 8.1 | 51.5 | 37.1 | 0.72 | 2.72 | 54.0 | 18.9 | 4.5 |
| | 12.0 | 3.4 | 7.9 | 59.7 | 3.54 | 47.7 | 106.9 | 4.95 | 8.3 | 52.1 | 37.1 | 0.71 | 2.65 | 54.5 | 19.6 | 4.2 |
| 80 | 6.0 | 0.9 | 2.1 | 59.4 | 3.46 | 47.5 | 106.6 | 5.03 | 8.8 | 48.5 | 35.9 | 0.74 | 3.17 | 51.0 | 15.3 | 5.9 |
| | 9.0 | 1.9 | 4.5 | 62.5 | 3.58 | 50.3 | 108.6 | 5.11 | 9.1 | 49.4 | 36.2 | 0.73 | 3.01 | 51.9 | 16.4 | 5.6 |
| | 12.0 | 3.3 | 7.6 | 64.3 | 3.62 | 51.9 | 109.7 | 5.20 | 9.4 | 49.9 | 36.2 | 0.73 | 2.93 | 52.4 | 17.0 | 5.4 |
| 90 | 6.0 | 0.9 | 2.1 | 63.2 | 3.52 | 51.2 | 109.0 | 5.26 | 9.9 | 45.1 | 34.2 | 0.76 | 3.50 | 47.7 | 12.9 | 7.4 |
| | 9.0 | 1.9 | 4.3 | 66.8 | 3.66 | 54.3 | 111.2 | 5.35 | 10.2 | 46.0 | 34.6 | 0.75 | 3.32 | 48.6 | 13.9 | 7.1 |
| | 12.0 | 3.2 | 7.4 | 68.9 | 3.71 | 56.2 | 112.5 | 5.44 | 10.6 | 46.5 | 34.6 | 0.74 | 3.23 | 49.0 | 14.4 | 6.7 |
| 100 | 6.0 | 0.9 | 2.0 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 9.0 | 1.8 | 4.2 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 3.1 | 7.1 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| 110 | 6.0 | 0.8 | 1.9 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 9.0 | 1.7 | 4.0 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 3.0 | 6.8 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| 120 | 6.0 | 0.8 | 1.8 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 9.0 | 1.7 | 3.8 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 2.8 | 6.6 | Operation not recommended | | | | | | Operation not recommended | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB060 - Performance Data

Single Speed with PSC (2000 cfm)

| EWT °F | Flow gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | COOLING - EAT 80/67 °F | | | | | | |
|--------|----------|---------------------|-------|---------------------------|----------|-----------|--------|------|------------|---------------------------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 9.0 | 2.5 | 5.7 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 4.0 | 9.2 | | | | | | | | | | | | | |
| | 15.0 | 5.9 | 13.5 | 40.4 | 4.06 | 26.5 | 88.7 | 2.92 | 5.8 | | | | | | | |
| 30 | 9.0 | 2.4 | 5.5 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 3.9 | 8.9 | 45.4 | 4.06 | 31.5 | 91.0 | 3.28 | 6.2 | 68.8 | 47.6 | 0.69 | 2.91 | 71.2 | 23.7 | --- |
| | 15.0 | 5.7 | 13.1 | 46.8 | 4.16 | 32.6 | 91.7 | 3.30 | 6.4 | 70.0 | 48.1 | 0.69 | 2.74 | 72.3 | 25.6 | --- |
| 40 | 9.0 | 2.3 | 5.3 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 3.7 | 8.7 | 53.6 | 4.23 | 39.1 | 94.8 | 3.71 | 6.9 | 70.3 | 49.8 | 0.71 | 3.10 | 72.7 | 22.7 | --- |
| | 15.0 | 5.5 | 12.7 | 54.8 | 4.30 | 40.1 | 95.4 | 3.73 | 7.1 | 71.1 | 49.6 | 0.70 | 2.95 | 73.5 | 24.1 | --- |
| 50 | 9.0 | 2.2 | 5.2 | 58.9 | 4.35 | 44.1 | 97.3 | 3.97 | 7.5 | 71.4 | 50.5 | 0.71 | 3.44 | 73.8 | 20.8 | 4.1 |
| | 12.0 | 3.6 | 8.4 | 60.4 | 4.39 | 45.5 | 98.0 | 4.04 | 7.7 | 71.4 | 51.0 | 0.71 | 3.38 | 73.9 | 21.1 | 3.9 |
| | 15.0 | 5.3 | 12.3 | 61.5 | 4.43 | 46.4 | 98.5 | 4.07 | 7.9 | 72.2 | 51.0 | 0.71 | 3.23 | 74.6 | 22.3 | 3.7 |
| 60 | 9.0 | 2.2 | 5.0 | 65.4 | 4.47 | 50.1 | 100.3 | 4.29 | 8.4 | 69.1 | 49.4 | 0.71 | 3.63 | 71.5 | 19.0 | 5.0 |
| | 12.0 | 3.5 | 8.1 | 66.8 | 4.51 | 51.4 | 100.9 | 4.34 | 8.7 | 69.4 | 49.6 | 0.71 | 3.53 | 71.9 | 19.7 | 4.8 |
| | 15.0 | 5.2 | 11.9 | 68.7 | 4.58 | 53.1 | 101.8 | 4.40 | 8.9 | 69.8 | 49.9 | 0.71 | 3.41 | 72.2 | 20.5 | 4.6 |
| 70 | 9.0 | 2.1 | 4.9 | 72.0 | 4.60 | 56.3 | 103.4 | 4.59 | 9.5 | 67.8 | 49.4 | 0.73 | 3.97 | 70.3 | 17.1 | 6.3 |
| | 12.0 | 3.4 | 7.9 | 73.4 | 4.65 | 57.5 | 104.0 | 4.63 | 9.8 | 68.5 | 49.4 | 0.72 | 3.83 | 71.0 | 17.9 | 6.0 |
| | 15.0 | 5.0 | 11.6 | 76.1 | 4.74 | 59.9 | 105.2 | 4.71 | 10.0 | 68.5 | 49.9 | 0.73 | 3.73 | 71.0 | 18.4 | 5.7 |
| 80 | 9.0 | 2.0 | 4.7 | 76.7 | 4.71 | 60.7 | 105.5 | 4.78 | 10.7 | 64.8 | 48.0 | 0.74 | 4.35 | 67.3 | 14.9 | 8.0 |
| | 12.0 | 3.3 | 7.6 | 79.4 | 4.73 | 63.2 | 106.7 | 4.92 | 11.0 | 65.4 | 48.0 | 0.73 | 4.16 | 67.9 | 15.7 | 7.6 |
| | 15.0 | 4.8 | 11.2 | 81.5 | 4.87 | 64.9 | 107.7 | 4.91 | 11.3 | 65.8 | 48.5 | 0.74 | 4.05 | 68.3 | 16.2 | 7.2 |
| 90 | 9.0 | 2.0 | 4.5 | 81.6 | 4.83 | 65.2 | 107.8 | 4.96 | 12.0 | 60.3 | 45.8 | 0.76 | 4.74 | 62.9 | 12.7 | 10.0 |
| | 12.0 | 3.2 | 7.3 | 85.5 | 4.83 | 69.1 | 109.6 | 5.19 | 12.4 | 61.0 | 45.8 | 0.75 | 4.49 | 63.5 | 13.6 | 9.5 |
| | 15.0 | 4.7 | 10.8 | 87.2 | 5.02 | 70.1 | 110.4 | 5.09 | 12.8 | 61.6 | 46.3 | 0.75 | 4.37 | 64.1 | 14.1 | 9.1 |
| 100 | 9.0 | 1.9 | 4.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 3.1 | 7.1 | | | | | | | | | | | | | |
| | 15.0 | 4.5 | 10.4 | | | | | | | | | | | | | |
| 110 | 9.0 | 1.8 | 4.2 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 2.9 | 6.8 | | | | | | | | | | | | | |
| | 15.0 | 4.3 | 10.0 | | | | | | | | | | | | | |
| 120 | 9.0 | 1.7 | 4.0 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 12.0 | 2.8 | 6.5 | | | | | | | | | | | | | |
| | 15.0 | 4.2 | 9.6 | | | | | | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB070 - Performance Data

Single Speed with PSC (2200 cfm)

| EWT °F | Flow gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | COOLING - EAT 80/67 °F | | | | | | |
|--------|----------|---------------------|-------|---------------------------|----------|-----------|--------|------|------------|---------------------------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 12.0 | 3.0 | 7.0 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 15.0 | 4.4 | 10.2 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 18.0 | 6.0 | 13.9 | 46.9 | 4.62 | 31.2 | 89.8 | 2.98 | 6.9 | | | | | | | |
| 30 | 12.0 | 3.0 | 6.8 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 15.0 | 4.3 | 9.9 | 54.1 | 4.73 | 37.9 | 92.8 | 3.35 | 7.4 | 72.1 | 48.7 | 0.68 | 2.87 | 74.4 | 25.1 | --- |
| | 18.0 | 5.8 | 13.5 | 54.3 | 4.75 | 38.1 | 92.8 | 3.35 | 7.6 | 72.5 | 49.1 | 0.68 | 2.86 | 74.8 | 25.3 | --- |
| 40 | 12.0 | 2.9 | 6.6 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 15.0 | 4.1 | 9.6 | 63.1 | 4.89 | 46.4 | 96.5 | 3.78 | 8.2 | 75.8 | 52.8 | 0.70 | 3.11 | 78.2 | 24.4 | --- |
| | 18.0 | 5.7 | 13.1 | 63.5 | 4.91 | 46.7 | 96.7 | 3.79 | 8.4 | 76.4 | 52.6 | 0.69 | 3.09 | 78.7 | 24.7 | --- |
| 50 | 12.0 | 2.8 | 6.4 | 69.5 | 5.00 | 52.4 | 99.3 | 4.07 | 8.9 | 79.1 | 55.5 | 0.70 | 3.51 | 81.5 | 22.5 | 4.5 |
| | 15.0 | 4.0 | 9.3 | 70.9 | 5.04 | 53.7 | 99.9 | 4.13 | 9.2 | 79.5 | 55.7 | 0.70 | 3.41 | 81.9 | 23.3 | 4.3 |
| | 18.0 | 5.5 | 12.7 | 71.6 | 5.06 | 54.3 | 100.1 | 4.14 | 9.4 | 80.3 | 56.0 | 0.70 | 3.38 | 82.7 | 23.8 | 4.1 |
| 60 | 12.0 | 2.7 | 6.2 | 77.1 | 5.15 | 59.5 | 102.4 | 4.39 | 10.0 | 75.8 | 53.7 | 0.71 | 3.81 | 78.2 | 19.9 | 5.5 |
| | 15.0 | 3.9 | 9.0 | 79.3 | 5.21 | 61.6 | 103.4 | 4.47 | 10.3 | 76.1 | 53.9 | 0.71 | 3.70 | 78.6 | 20.6 | 5.2 |
| | 18.0 | 5.3 | 12.3 | 80.3 | 5.24 | 62.4 | 103.8 | 4.49 | 10.6 | 77.1 | 54.6 | 0.71 | 3.65 | 79.5 | 21.1 | 5.0 |
| 70 | 12.0 | 2.6 | 6.0 | 85.1 | 5.31 | 66.9 | 105.8 | 4.69 | 11.3 | 75.2 | 54.5 | 0.72 | 4.19 | 77.7 | 17.9 | 6.9 |
| | 15.0 | 3.8 | 8.7 | 88.2 | 5.39 | 69.8 | 107.1 | 4.79 | 11.6 | 75.5 | 54.6 | 0.72 | 4.08 | 78.0 | 18.5 | 6.6 |
| | 18.0 | 5.1 | 11.9 | 89.4 | 5.43 | 70.9 | 107.6 | 4.83 | 11.9 | 76.7 | 55.8 | 0.73 | 4.01 | 79.1 | 19.1 | 6.3 |
| 80 | 12.0 | 2.5 | 5.8 | 91.0 | 5.46 | 72.3 | 108.3 | 4.89 | 12.7 | 71.9 | 52.2 | 0.73 | 4.61 | 74.3 | 15.6 | 8.7 |
| | 15.0 | 3.6 | 8.4 | 95.1 | 5.56 | 76.2 | 110.0 | 5.01 | 13.1 | 72.1 | 52.2 | 0.72 | 4.49 | 74.6 | 16.1 | 8.3 |
| | 18.0 | 5.0 | 11.5 | 96.8 | 5.60 | 77.6 | 110.7 | 5.06 | 13.5 | 73.3 | 53.8 | 0.73 | 4.40 | 75.8 | 16.7 | 7.9 |
| 90 | 12.0 | 2.4 | 5.6 | 97.3 | 5.62 | 78.1 | 110.9 | 5.07 | 14.3 | 65.7 | 48.5 | 0.74 | 5.06 | 68.2 | 13.0 | 10.9 |
| | 15.0 | 3.5 | 8.1 | 102.5 | 5.75 | 82.9 | 113.1 | 5.23 | 14.7 | 65.9 | 48.4 | 0.73 | 4.93 | 68.4 | 13.4 | 10.4 |
| | 18.0 | 4.8 | 11.1 | 104.5 | 5.80 | 84.7 | 114.0 | 5.28 | 15.2 | 67.2 | 50.3 | 0.75 | 4.81 | 69.7 | 14.0 | 9.9 |
| 100 | 12.0 | 2.3 | 5.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 15.0 | 3.4 | 7.8 | Operation not recommended | | | | | | 63.7 | 47.8 | 0.75 | 5.47 | 66.3 | 11.6 | 13.0 |
| | 18.0 | 4.6 | 10.7 | Operation not recommended | | | | | | 65.1 | 50.2 | 0.77 | 5.33 | 67.7 | 12.2 | 12.3 |
| 110 | 12.0 | 2.2 | 5.2 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 15.0 | 3.3 | 7.5 | Operation not recommended | | | | | | 56.2 | 42.5 | 0.76 | 6.03 | 58.8 | 9.3 | 15.9 |
| | 18.0 | 4.4 | 10.2 | Operation not recommended | | | | | | 57.6 | 45.0 | 0.78 | 5.85 | 60.3 | 9.9 | 15.1 |
| 120 | 12.0 | 2.2 | 5.0 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 15.0 | 3.1 | 7.2 | Operation not recommended | | | | | | 53.2 | 43.1 | 0.81 | 6.69 | 55.9 | 7.9 | 19.2 |
| | 18.0 | 4.3 | 9.8 | Operation not recommended | | | | | | 54.6 | 46.0 | 0.84 | 6.47 | 57.5 | 8.4 | 18.2 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB009 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (350 CFM)

| EWT °F | Flow Rate GPM | Water Pressure Drop | | HEATING - EAT 70 °F | | | | | COOLING - EAT 80/67 °F | | | | | |
|-----------|---------------------|---------------------------|-------|---------------------------|-------------|-------------|-----------|------|---------------------------|-------------|--------------|-------------|-------------|------|
| | | | | HC MBtuh | Power kW | HE MBtuh | LAT °F | COP | TC MBtuh | SC MBtuh | S/T Ratio | Power kW | HR MBtuh | EER |
| | | PSI | FT/HD | | | | | | | | | | | |
| 20 | 1.5 | 2.0 | 4.5 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.6 | 8.3 | | | | | | | | | | | |
| | 3.0 | 7.0 | 16.2 | 6.4 | 0.65 | 4.2 | 84.9 | 2.86 | | | | | | |
| 30 | 1.5 | 1.9 | 4.4 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.5 | 8.1 | 7.4 | 0.68 | 5.1 | 87.5 | 3.19 | 12.0 | 7.8 | 0.65 | 0.38 | 13.3 | 31.6 |
| | 3.0 | 6.9 | 15.9 | 7.3 | 0.68 | 5.0 | 87.3 | 3.16 | 11.6 | 7.5 | 0.65 | 0.38 | 12.9 | 30.3 |
| 40 | 1.5 | 1.9 | 4.3 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.4 | 7.9 | 8.2 | 0.69 | 5.9 | 89.8 | 3.47 | 11.7 | 7.7 | 0.66 | 0.42 | 13.2 | 27.8 |
| | 3.0 | 6.7 | 15.5 | 8.4 | 0.70 | 6.1 | 90.3 | 3.55 | 11.6 | 7.6 | 0.65 | 0.41 | 13.0 | 28.6 |
| 50 | 1.5 | 1.8 | 4.2 | 9.0 | 0.71 | 6.5 | 91.7 | 3.69 | 11.4 | 7.6 | 0.67 | 0.48 | 13.0 | 23.7 |
| | 2.0 | 3.4 | 7.8 | 9.2 | 0.71 | 6.7 | 92.3 | 3.77 | 11.5 | 7.6 | 0.67 | 0.46 | 13.0 | 24.8 |
| | 3.0 | 6.5 | 15.0 | 9.6 | 0.72 | 7.1 | 93.4 | 3.91 | 11.6 | 7.7 | 0.66 | 0.43 | 13.1 | 27.2 |
| 60 | 1.5 | 1.8 | 4.0 | 10.1 | 0.73 | 7.6 | 94.6 | 4.04 | 10.9 | 7.4 | 0.68 | 0.55 | 12.7 | 19.9 |
| | 2.0 | 3.3 | 7.6 | 10.3 | 0.73 | 7.8 | 95.3 | 4.12 | 10.9 | 7.4 | 0.68 | 0.53 | 12.7 | 20.7 |
| | 3.0 | 6.4 | 14.8 | 10.8 | 0.74 | 8.2 | 96.5 | 4.27 | 11.1 | 7.4 | 0.67 | 0.50 | 12.7 | 22.3 |
| 70 | 1.5 | 1.7 | 3.9 | 11.2 | 0.75 | 8.6 | 97.6 | 4.37 | 10.4 | 7.1 | 0.69 | 0.61 | 12.4 | 17.0 |
| | 2.0 | 3.2 | 7.5 | 11.4 | 0.75 | 8.9 | 98.3 | 4.45 | 10.4 | 7.1 | 0.69 | 0.60 | 12.4 | 17.5 |
| | 3.0 | 6.3 | 14.6 | 11.9 | 0.76 | 9.3 | 99.6 | 4.60 | 10.5 | 7.1 | 0.68 | 0.56 | 12.4 | 18.6 |
| 80 | 1.5 | 1.7 | 3.8 | 12.5 | 0.77 | 9.9 | 101.1 | 4.77 | 9.9 | 6.9 | 0.70 | 0.69 | 12.2 | 14.3 |
| | 2.0 | 3.2 | 7.3 | 12.8 | 0.77 | 10.2 | 101.9 | 4.85 | 9.9 | 6.9 | 0.70 | 0.68 | 12.2 | 14.6 |
| | 3.0 | 6.2 | 14.2 | 13.2 | 0.78 | 10.6 | 103.0 | 4.97 | 9.8 | 6.9 | 0.70 | 0.63 | 12.0 | 15.6 |
| 90 | 1.5 | 1.6 | 3.7 | 14.0 | 0.79 | 11.3 | 105.0 | 5.19 | 9.4 | 6.7 | 0.71 | 0.78 | 12.1 | 12.1 |
| | 2.0 | 3.1 | 7.2 | 14.3 | 0.80 | 11.6 | 105.8 | 5.27 | 9.4 | 6.7 | 0.71 | 0.77 | 12.1 | 12.3 |
| | 3.0 | 6.0 | 13.9 | 14.5 | 0.80 | 11.8 | 106.4 | 5.31 | 9.2 | 6.7 | 0.73 | 0.70 | 11.6 | 13.2 |
| 100 | 1.5 | 1.6 | 3.6 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.0 | 7.0 | | | | | | 9.0 | 6.5 | 0.72 | 0.87 | 12.0 | 10.3 |
| | 3.0 | 5.9 | 13.6 | | | | | | 8.6 | 6.5 | 0.75 | 0.80 | 11.4 | 10.8 |
| 110 | 1.5 | 1.5 | 3.5 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 3.0 | 6.9 | | | | | | 8.6 | 6.2 | 0.73 | 0.99 | 11.9 | 8.7 |
| | 3.0 | 5.7 | 13.2 | | | | | | 8.0 | 6.3 | 0.78 | 0.90 | 11.1 | 8.9 |
| 120 | 1.5 | 1.5 | 3.4 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.0 | 2.9 | 6.8 | | | | | | 8.2 | 6.0 | 0.74 | 1.12 | 12.0 | 7.3 |
| | 3.0 | 5.6 | 12.9 | | | | | | 7.5 | 6.0 | 0.80 | 1.02 | 10.9 | 7.3 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB012 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (400 CFM)

| EWT °F | Flow Rate GPM | WPD | | HEATING - EAT 70 °F | | | | | COOLING - EAT 80/67 °F | | | | | |
|-----------|------------------|-----|-------|---------------------------|-------------|--------------|-----------|------|---------------------------|--------------|-----------|-------------|--------------|------|
| | | PSI | FT/HD | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | TC Mbtu/h | SC Mbtu/h | S/T Ratio | Power kW | HR Mbtu/h | EER |
| 20 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.3 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 3.5 | 1.7 | 3.9 | 7.5 | 0.78 | 4.8 | 85.3 | 2.80 | Operation not recommended | | | | | |
| 30 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.3 | 9.0 | 0.80 | 6.3 | 88.8 | 3.29 | 16.3 | 10.3 | 0.63 | 0.43 | 17.8 | 37.7 |
| | 3.5 | 1.7 | 3.9 | 9.1 | 0.81 | 6.3 | 89.1 | 3.29 | 16.5 | 10.3 | 0.62 | 0.41 | 18.0 | 40.2 |
| 40 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.3 | 10.0 | 0.82 | 7.2 | 91.1 | 3.57 | 15.8 | 10.1 | 0.64 | 0.49 | 17.4 | 31.9 |
| | 3.5 | 1.7 | 3.9 | 10.3 | 0.83 | 7.4 | 91.7 | 3.64 | 16.0 | 10.1 | 0.63 | 0.46 | 17.6 | 34.9 |
| 50 | 1.5 | 0.3 | 0.7 | 10.6 | 0.83 | 7.8 | 92.5 | 3.75 | 15.0 | 10.0 | 0.66 | 0.61 | 17.1 | 24.6 |
| | 2.5 | 1.0 | 2.3 | 11.0 | 0.83 | 8.2 | 93.5 | 3.86 | 15.2 | 9.9 | 0.65 | 0.56 | 17.1 | 27.3 |
| | 3.5 | 1.7 | 3.8 | 11.4 | 0.84 | 8.5 | 94.4 | 3.97 | 15.5 | 9.9 | 0.64 | 0.51 | 17.2 | 30.6 |
| 60 | 1.5 | 0.3 | 0.7 | 11.8 | 0.85 | 8.9 | 95.2 | 4.08 | 14.5 | 9.7 | 0.67 | 0.69 | 16.9 | 21.1 |
| | 2.5 | 1.0 | 2.3 | 12.2 | 0.85 | 9.3 | 96.3 | 4.21 | 14.7 | 9.7 | 0.66 | 0.64 | 16.9 | 23.1 |
| | 3.5 | 1.7 | 3.8 | 12.7 | 0.86 | 9.8 | 97.4 | 4.33 | 14.9 | 9.7 | 0.65 | 0.59 | 16.9 | 25.3 |
| 70 | 1.5 | 0.3 | 0.7 | 12.9 | 0.86 | 10.0 | 98.0 | 4.40 | 14.1 | 9.4 | 0.67 | 0.77 | 16.7 | 18.3 |
| | 2.5 | 1.0 | 2.3 | 13.5 | 0.87 | 10.5 | 99.2 | 4.54 | 14.2 | 9.5 | 0.67 | 0.72 | 16.7 | 19.8 |
| | 3.5 | 1.7 | 3.8 | 14.0 | 0.88 | 11.0 | 100.4 | 4.67 | 14.4 | 9.6 | 0.67 | 0.67 | 16.7 | 21.4 |
| 80 | 1.5 | 0.3 | 0.7 | 14.3 | 0.88 | 11.3 | 101.2 | 4.76 | 13.6 | 9.2 | 0.68 | 0.87 | 16.6 | 15.7 |
| | 2.5 | 1.0 | 2.2 | 14.9 | 0.89 | 11.9 | 102.6 | 4.92 | 13.8 | 9.3 | 0.68 | 0.82 | 16.6 | 16.8 |
| | 3.5 | 1.6 | 3.8 | 15.3 | 0.90 | 12.2 | 103.4 | 5.00 | 13.9 | 9.4 | 0.68 | 0.76 | 16.5 | 18.2 |
| 90 | 1.5 | 0.3 | 0.7 | 15.8 | 0.90 | 12.8 | 104.7 | 5.15 | 13.2 | 9.0 | 0.68 | 0.97 | 16.5 | 13.6 |
| | 2.5 | 1.0 | 2.2 | 16.5 | 0.91 | 13.4 | 106.3 | 5.34 | 13.3 | 9.2 | 0.69 | 0.93 | 16.5 | 14.2 |
| | 3.5 | 1.6 | 3.8 | 16.6 | 0.92 | 13.5 | 106.4 | 5.32 | 13.4 | 9.2 | 0.69 | 0.85 | 16.3 | 15.7 |
| 100 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.2 | | | | | | 12.9 | 9.0 | 0.70 | 1.06 | 16.5 | 12.1 |
| | 3.5 | 1.6 | 3.7 | | | | | | 13.0 | 9.1 | 0.70 | 0.95 | 16.2 | 13.7 |
| 110 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.2 | | | | | | 12.4 | 8.8 | 0.71 | 1.21 | 16.5 | 10.3 |
| | 3.5 | 1.6 | 3.6 | | | | | | 12.6 | 8.9 | 0.71 | 1.05 | 16.2 | 12.0 |
| 120 | 1.5 | 0.3 | 0.7 | Operation not recommended | | | | | Operation not recommended | | | | | |
| | 2.5 | 1.0 | 2.2 | | | | | | 12.0 | 8.6 | 0.72 | 1.37 | 16.7 | 8.8 |
| | 3.5 | 1.5 | 3.5 | | | | | | 12.1 | 8.7 | 0.72 | 1.16 | 16.0 | 10.5 |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB015 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (500 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | COOLING - EAT 80/67 °F | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|---------------------------|---------------------------|-----------|-----------|----------|-----------|------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER |
| 20 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 3.0 | 1.6 | 3.7 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 4.0 | 2.7 | 6.1 | 400 | 10.2 | 0.94 | 7.0 | 91.6 | 3.19 | Operation not recommended | | | | | | |
| | | | | 500 | 10.5 | 0.95 | 7.2 | 87.4 | 3.22 | Operation not recommended | | | | | | |
| 30 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 3.0 | 1.6 | 3.7 | 400 | 10.9 | 0.91 | 7.8 | 93.3 | 3.50 | 400 | 15.8 | 9.4 | 0.60 | 0.42 | 17.2 | 37.2 |
| | | | | 500 | 11.3 | 0.93 | 8.1 | 88.8 | 3.54 | 500 | 16.2 | 10.5 | 0.65 | 0.46 | 17.7 | 35.6 |
| | 4.0 | 2.6 | 6.1 | 400 | 11.1 | 0.91 | 8.0 | 93.6 | 3.58 | 400 | 14.9 | 9.0 | 0.60 | 0.48 | 16.6 | 31.1 |
| | | | | 500 | 11.4 | 0.93 | 8.2 | 89.1 | 3.61 | 500 | 15.3 | 10.0 | 0.65 | 0.52 | 17.1 | 29.7 |
| 40 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 3.0 | 1.6 | 3.7 | 400 | 12.0 | 0.93 | 8.9 | 95.9 | 3.78 | 400 | 16.2 | 9.8 | 0.61 | 0.49 | 17.9 | 33.2 |
| | | | | 500 | 12.4 | 0.95 | 9.2 | 91.0 | 3.82 | 500 | 16.7 | 10.9 | 0.66 | 0.53 | 18.5 | 31.8 |
| | 4.0 | 2.6 | 6.0 | 400 | 12.4 | 0.93 | 9.2 | 96.6 | 3.89 | 400 | 15.9 | 9.7 | 0.61 | 0.50 | 17.6 | 32.0 |
| | | | | 500 | 12.7 | 0.95 | 9.5 | 91.6 | 3.93 | 500 | 16.4 | 10.7 | 0.66 | 0.54 | 18.2 | 30.5 |
| 50 | 2.0 | 0.6 | 1.4 | 400 | 12.9 | 0.95 | 9.6 | 97.8 | 3.97 | 400 | 16.5 | 10.1 | 0.62 | 0.59 | 18.5 | 27.9 |
| | | | | 500 | 13.3 | 0.97 | 10.0 | 92.6 | 4.01 | 500 | 16.9 | 11.3 | 0.67 | 0.64 | 19.1 | 26.7 |
| | 3.0 | 1.6 | 3.7 | 400 | 13.3 | 0.95 | 10.0 | 98.7 | 4.08 | 400 | 16.7 | 10.2 | 0.61 | 0.55 | 18.6 | 30.2 |
| | | | | 500 | 13.7 | 0.97 | 10.4 | 93.3 | 4.12 | 500 | 17.1 | 11.4 | 0.66 | 0.60 | 19.2 | 28.8 |
| | 4.0 | 2.6 | 6.0 | 400 | 13.6 | 0.96 | 10.4 | 99.6 | 4.19 | 400 | 16.9 | 10.3 | 0.61 | 0.52 | 18.7 | 32.8 |
| | | | 500 | 14.1 | 0.98 | 10.7 | 94.1 | 4.23 | 500 | 17.4 | 11.5 | 0.66 | 0.56 | 19.3 | 31.3 | |
| 60 | 2.0 | 0.6 | 1.4 | 400 | 14.2 | 0.97 | 10.9 | 101.0 | 4.31 | 400 | 15.6 | 9.8 | 0.63 | 0.68 | 18.0 | 23.0 |
| | | | | 500 | 14.7 | 0.99 | 11.3 | 95.2 | 4.36 | 500 | 16.1 | 10.9 | 0.68 | 0.73 | 18.6 | 22.0 |
| | 3.0 | 1.6 | 3.7 | 400 | 14.7 | 0.97 | 11.4 | 102.0 | 4.43 | 400 | 15.9 | 9.9 | 0.62 | 0.64 | 18.0 | 24.7 |
| | | | | 500 | 15.2 | 0.99 | 11.8 | 96.1 | 4.47 | 500 | 16.3 | 11.0 | 0.67 | 0.69 | 18.7 | 23.6 |
| | 4.0 | 2.6 | 6.0 | 400 | 15.2 | 0.98 | 11.8 | 103.1 | 4.53 | 400 | 16.1 | 10.0 | 0.62 | 0.60 | 18.1 | 26.6 |
| | | | 500 | 15.6 | 1.00 | 12.2 | 96.9 | 4.58 | 500 | 16.5 | 11.1 | 0.67 | 0.65 | 18.7 | 25.4 | |
| 70 | 2.0 | 0.6 | 1.4 | 400 | 15.6 | 0.98 | 12.2 | 104.1 | 4.64 | 400 | 14.8 | 9.5 | 0.64 | 0.77 | 17.4 | 19.3 |
| | | | | 500 | 16.1 | 1.01 | 12.7 | 97.8 | 4.69 | 500 | 15.2 | 10.5 | 0.69 | 0.83 | 18.1 | 18.5 |
| | 3.0 | 1.6 | 3.7 | 400 | 16.1 | 0.99 | 12.7 | 105.4 | 4.76 | 400 | 15.0 | 9.5 | 0.63 | 0.73 | 17.5 | 20.6 |
| | | | | 500 | 16.6 | 1.02 | 13.2 | 98.8 | 4.81 | 500 | 15.4 | 10.6 | 0.69 | 0.79 | 18.1 | 19.7 |
| | 4.0 | 2.6 | 6.0 | 400 | 16.7 | 1.00 | 13.2 | 106.6 | 4.87 | 400 | 15.2 | 9.6 | 0.63 | 0.69 | 17.6 | 22.0 |
| | | | 500 | 17.2 | 1.03 | 13.7 | 99.8 | 4.92 | 500 | 15.7 | 10.6 | 0.68 | 0.75 | 18.2 | 21.0 | |
| 80 | 2.0 | 0.6 | 1.4 | 400 | 17.2 | 1.00 | 13.8 | 107.8 | 5.03 | 400 | 14.1 | 9.2 | 0.65 | 0.88 | 17.1 | 16.1 |
| | | | | 500 | 17.7 | 1.02 | 14.2 | 100.8 | 5.08 | 500 | 14.5 | 10.2 | 0.70 | 0.94 | 17.7 | 15.3 |
| | 3.0 | 1.6 | 3.7 | 400 | 17.8 | 1.02 | 14.4 | 109.3 | 5.14 | 400 | 14.3 | 9.2 | 0.64 | 0.84 | 17.1 | 17.0 |
| | | | | 500 | 18.4 | 1.04 | 14.8 | 102.0 | 5.20 | 500 | 14.7 | 10.2 | 0.70 | 0.90 | 17.8 | 16.2 |
| | 4.0 | 2.6 | 5.9 | 400 | 18.2 | 1.02 | 14.7 | 110.2 | 5.21 | 400 | 14.5 | 9.3 | 0.64 | 0.79 | 17.2 | 18.3 |
| | | | 500 | 18.8 | 1.05 | 15.2 | 102.8 | 5.27 | 500 | 14.9 | 10.4 | 0.70 | 0.85 | 17.8 | 17.5 | |
| 90 | 2.0 | 0.6 | 1.4 | 400 | 18.9 | 1.02 | 15.5 | 111.8 | 5.44 | 400 | 13.4 | 8.9 | 0.66 | 1.00 | 16.8 | 13.4 |
| | | | | 500 | 19.5 | 1.04 | 16.0 | 104.2 | 5.50 | 500 | 13.7 | 9.9 | 0.72 | 1.07 | 17.4 | 12.8 |
| | 3.0 | 1.6 | 3.6 | 400 | 19.7 | 1.04 | 16.1 | 113.5 | 5.55 | 400 | 13.5 | 8.9 | 0.65 | 0.97 | 16.8 | 14.0 |
| | | | | 500 | 20.3 | 1.06 | 16.7 | 105.6 | 5.61 | 500 | 13.9 | 9.8 | 0.71 | 1.04 | 17.5 | 13.4 |
| | 4.0 | 2.6 | 5.9 | 400 | 19.8 | 1.04 | 16.2 | 113.7 | 5.55 | 400 | 13.8 | 9.1 | 0.66 | 0.89 | 16.8 | 15.5 |
| | | | 500 | 20.4 | 1.07 | 16.7 | 105.7 | 5.61 | 500 | 14.2 | 10.1 | 0.71 | 0.96 | 17.4 | 14.8 | |
| 100 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 3.0 | 1.6 | 3.6 | 400 | 12.9 | 8.5 | 0.66 | 1.11 | 16.6 | 11.6 | Operation not recommended | | | | | |
| | | | | 500 | 13.2 | 9.5 | 0.72 | 1.19 | 17.3 | 11.1 | Operation not recommended | | | | | |
| 4.0 | 2.5 | 5.9 | 400 | 12.9 | 8.8 | 0.68 | 1.00 | 16.3 | 13.0 | Operation not recommended | | | | | | |
| | | | 500 | 13.3 | 9.8 | 0.74 | 1.07 | 16.9 | 12.4 | Operation not recommended | | | | | | |
| 110 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 3.0 | 1.6 | 3.6 | 400 | 12.2 | 8.2 | 0.68 | 1.27 | 16.5 | 9.6 | Operation not recommended | | | | | |
| | | | | 500 | 12.5 | 9.2 | 0.73 | 1.37 | 17.2 | 9.1 | Operation not recommended | | | | | |
| 4.0 | 2.5 | 5.9 | 400 | 12.1 | 8.5 | 0.71 | 1.10 | 15.8 | 11.0 | Operation not recommended | | | | | | |
| | | | 500 | 12.4 | 9.5 | 0.76 | 1.19 | 16.5 | 10.5 | Operation not recommended | | | | | | |
| 120 | 2.0 | 0.6 | 1.4 | Operation not recommended | | | | | | Operation not recommended | | | | | | |
| | 3.0 | 1.6 | 3.6 | 400 | 11.6 | 8.0 | 0.69 | 1.46 | 16.6 | 7.9 | Operation not recommended | | | | | |
| | | | | 500 | 11.9 | 8.8 | 0.74 | 1.57 | 17.3 | 7.6 | Operation not recommended | | | | | |
| | 4.0 | 2.5 | 5.8 | 400 | 10.9 | 8.3 | 0.76 | 1.22 | 15.1 | 8.9 | Operation not recommended | | | | | |
| 500 | | | | 11.2 | 9.2 | 0.82 | 1.32 | 15.7 | 8.5 | Operation not recommended | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB018 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (600 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | Heating - EAT 70°F | | | | | | | Cooling - EAT 80/67 °F | | | | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|---------------------------|-------------|--------------|-----------|---------------------------|---------------|---------------------------|---------------------------|--------------|--------------|-------------|--------------|------|---------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 3.0 | 1.8 | 4.1 | Operation not recommended | | | | | | | | | | | | | | |
| | 4.0 | 3.0 | 6.9 | Operation not recommended | | | | | | | | | | | | | | |
| | 5.0 | 4.3 | 9.9 | 500 | 12.3 | 1.09 | 8.6 | 90.8 | 3.30 | 1.6 | Operation not recommended | | | | | | | |
| | | | | 600 | 12.7 | 1.12 | 8.9 | 87.6 | 3.34 | 1.5 | Operation not recommended | | | | | | | |
| 30 | 3.0 | 1.7 | 3.9 | Operation not recommended | | | | | | | | | | | | | | |
| | 4.0 | 3.0 | 6.8 | 500 | 13.9 | 1.16 | 10.0 | 93.8 | 3.51 | 1.6 | 500 | 19.0 | 11.6 | 0.61 | 0.65 | 21.2 | 29.4 | -- |
| | | | | 600 | 14.4 | 1.19 | 10.3 | 90.2 | 3.55 | 1.6 | 600 | 19.5 | 12.9 | 0.66 | 0.70 | 21.9 | 28.1 | -- |
| | 5.0 | 4.2 | 9.7 | 500 | 14.2 | 1.17 | 10.2 | 94.2 | 3.54 | 1.7 | 500 | 18.3 | 11.2 | 0.61 | 0.63 | 20.4 | 29.1 | -- |
| | | | | 600 | 14.6 | 1.20 | 10.5 | 90.5 | 3.58 | 1.6 | 600 | 18.8 | 12.4 | 0.66 | 0.68 | 21.1 | 27.9 | -- |
| | 40 | 3.0 | 1.7 | 3.8 | Operation not recommended | | | | | | | | | | | | | |
| 4.0 | | 2.9 | 6.7 | 500 | 15.4 | 1.22 | 11.2 | 96.5 | 3.70 | 1.8 | 500 | 19.4 | 11.7 | 0.60 | 0.69 | 21.8 | 28.0 | -- |
| | | | | 600 | 15.9 | 1.24 | 11.6 | 92.5 | 3.74 | 1.6 | 600 | 20.0 | 13.0 | 0.65 | 0.75 | 22.5 | 26.8 | -- |
| 5.0 | | 4.2 | 9.6 | 500 | 15.8 | 1.23 | 11.6 | 97.2 | 3.76 | 1.8 | 500 | 19.2 | 11.5 | 0.60 | 0.64 | 21.4 | 29.9 | -- |
| | | | | 600 | 16.3 | 1.26 | 12.0 | 93.1 | 3.79 | 1.7 | 600 | 19.8 | 12.8 | 0.65 | 0.69 | 22.1 | 28.6 | -- |
| 50 | 3.0 | 1.6 | 3.7 | 500 | 16.6 | 1.27 | 12.3 | 98.7 | 3.83 | 1.9 | 500 | 19.6 | 11.9 | 0.61 | 0.82 | 22.4 | 23.8 | 0.9 |
| | | | | 600 | 17.1 | 1.30 | 12.7 | 94.4 | 3.87 | 1.7 | 600 | 20.1 | 13.2 | 0.66 | 0.89 | 23.1 | 22.7 | 1.0 |
| | 4.0 | 2.9 | 6.6 | 500 | 17.0 | 1.28 | 12.6 | 99.4 | 3.89 | 1.9 | 500 | 19.8 | 11.8 | 0.60 | 0.74 | 22.4 | 26.8 | 0.8 |
| | | | | 600 | 17.5 | 1.31 | 13.0 | 95.0 | 3.93 | 1.8 | 600 | 20.4 | 13.2 | 0.64 | 0.80 | 23.1 | 25.7 | 0.9 |
| | 5.0 | 4.2 | 9.6 | 500 | 17.4 | 1.29 | 13.0 | 100.2 | 3.95 | 1.9 | 500 | 20.1 | 11.8 | 0.59 | 0.66 | 22.4 | 30.7 | 0.8 |
| | | | | 600 | 17.9 | 1.32 | 13.4 | 95.6 | 3.99 | 1.9 | 600 | 20.7 | 13.1 | 0.63 | 0.71 | 23.1 | 29.4 | 0.9 |
| 60 | 3.0 | 1.6 | 3.6 | 500 | 18.5 | 1.33 | 13.9 | 102.2 | 4.08 | 2.1 | 500 | 18.7 | 11.4 | 0.61 | 0.87 | 21.6 | 21.5 | 1.0 |
| | | | | 600 | 19.1 | 1.36 | 14.4 | 97.4 | 4.12 | 2.0 | 600 | 19.2 | 12.7 | 0.66 | 0.94 | 22.4 | 20.5 | 1.1 |
| | 4.0 | 2.8 | 6.6 | 500 | 18.8 | 1.34 | 14.3 | 102.9 | 4.11 | 2.1 | 500 | 18.9 | 11.4 | 0.60 | 0.81 | 21.7 | 23.2 | 1.0 |
| | | | | 600 | 19.4 | 1.37 | 14.8 | 98.0 | 4.16 | 2.0 | 600 | 19.4 | 12.6 | 0.65 | 0.88 | 22.4 | 22.2 | 1.1 |
| | 5.0 | 4.1 | 9.5 | 500 | 19.2 | 1.36 | 14.6 | 103.6 | 4.15 | 2.2 | 500 | 19.1 | 11.3 | 0.59 | 0.76 | 21.7 | 25.2 | 0.9 |
| | | | | 600 | 19.8 | 1.39 | 15.1 | 98.6 | 4.19 | 2.0 | 600 | 19.6 | 12.6 | 0.64 | 0.82 | 22.4 | 24.0 | 1.0 |
| 70 | 3.0 | 1.5 | 3.5 | 500 | 20.4 | 1.39 | 15.6 | 105.7 | 4.31 | 2.4 | 500 | 17.8 | 10.9 | 0.61 | 0.92 | 20.9 | 19.4 | 1.2 |
| | | | | 600 | 21.0 | 1.42 | 16.2 | 100.4 | 4.35 | 2.2 | 600 | 18.3 | 12.1 | 0.66 | 0.99 | 21.7 | 18.6 | 1.3 |
| | 4.0 | 2.8 | 6.5 | 500 | 20.7 | 1.41 | 15.9 | 106.4 | 4.32 | 2.4 | 500 | 17.9 | 10.9 | 0.61 | 0.89 | 20.9 | 20.2 | 1.1 |
| | | | | 600 | 21.4 | 1.44 | 16.5 | 100.9 | 4.36 | 2.2 | 600 | 18.4 | 12.1 | 0.66 | 0.96 | 21.7 | 19.3 | 1.3 |
| | 5.0 | 4.1 | 9.5 | 500 | 21.0 | 1.43 | 16.2 | 107.0 | 4.33 | 2.4 | 500 | 18.0 | 10.9 | 0.60 | 0.86 | 20.9 | 20.9 | 1.1 |
| | | | | 600 | 21.7 | 1.46 | 16.7 | 101.5 | 4.37 | 2.2 | 600 | 18.5 | 12.1 | 0.65 | 0.93 | 21.7 | 20.0 | 1.2 |
| 80 | 3.0 | 1.5 | 3.4 | 500 | 22.6 | 1.45 | 17.7 | 109.9 | 4.57 | 2.7 | 500 | 17.0 | 10.4 | 0.61 | 0.97 | 20.3 | 17.6 | 1.6 |
| | | | | 600 | 23.3 | 1.48 | 18.3 | 104.0 | 4.62 | 2.5 | 600 | 17.5 | 11.6 | 0.66 | 1.04 | 21.0 | 16.8 | 1.7 |
| | 4.0 | 2.8 | 6.4 | 500 | 22.9 | 1.48 | 17.9 | 110.4 | 4.55 | 2.7 | 500 | 17.0 | 10.4 | 0.61 | 0.97 | 20.3 | 17.5 | 1.5 |
| | | | | 600 | 23.6 | 1.51 | 18.5 | 104.5 | 4.60 | 2.4 | 600 | 17.5 | 11.6 | 0.66 | 1.05 | 21.1 | 16.7 | 1.6 |
| | 5.0 | 4.1 | 9.4 | 500 | 23.3 | 1.49 | 18.2 | 111.1 | 4.58 | 2.7 | 500 | 17.2 | 10.6 | 0.62 | 0.95 | 20.4 | 18.1 | 1.4 |
| | | | | 600 | 24.0 | 1.52 | 18.8 | 105.0 | 4.63 | 2.5 | 600 | 17.7 | 11.8 | 0.67 | 1.02 | 21.1 | 17.3 | 1.5 |
| 90 | 3.0 | 1.4 | 3.2 | 500 | 25.1 | 1.52 | 19.9 | 114.4 | 4.85 | 3.0 | 500 | 16.2 | 10.0 | 0.62 | 1.02 | 19.7 | 15.9 | 1.9 |
| | | | | 600 | 25.8 | 1.55 | 20.6 | 107.9 | 4.90 | 2.8 | 600 | 16.7 | 11.1 | 0.67 | 1.10 | 20.4 | 15.2 | 2.1 |
| | 4.0 | 2.7 | 6.3 | 500 | 25.3 | 1.55 | 20.0 | 114.9 | 4.79 | 3.0 | 500 | 16.2 | 10.0 | 0.62 | 1.07 | 19.8 | 15.1 | 1.8 |
| | | | | 600 | 26.1 | 1.58 | 20.7 | 108.3 | 4.84 | 2.8 | 600 | 16.6 | 11.1 | 0.67 | 1.15 | 20.5 | 14.5 | 2.0 |
| | 5.0 | 4.0 | 9.2 | 500 | 25.5 | 1.55 | 20.2 | 115.2 | 4.81 | 3.1 | 500 | 16.3 | 10.3 | 0.63 | 1.04 | 19.9 | 15.7 | 1.7 |
| | | | | 600 | 26.3 | 1.59 | 20.9 | 108.6 | 4.86 | 2.9 | 600 | 16.8 | 11.4 | 0.68 | 1.12 | 20.6 | 15.0 | 1.9 |
| 100 | 3.0 | 1.4 | 3.1 | Operation not recommended | | | | | | | | | | | | | | |
| | 4.0 | 2.7 | 6.2 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 500 | 15.3 | 9.6 | 0.63 | 1.17 | 19.3 | 13.1 | 2.2 | Operation not recommended | | | | | | |
| | 600 | 15.8 | 10.7 | 0.68 | 1.26 | 20.1 | 12.5 | 2.4 | Operation not recommended | | | | | | | | | |
| 110 | 3.0 | 1.3 | 3.0 | Operation not recommended | | | | | | | | | | | | | | |
| | 4.0 | 2.7 | 6.1 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 500 | 14.6 | 9.2 | 0.63 | 1.28 | 19.0 | 11.4 | 2.9 | Operation not recommended | | | | | | |
| | 600 | 15.0 | 10.2 | 0.68 | 1.38 | 19.7 | 10.9 | 3.2 | Operation not recommended | | | | | | | | | |
| 120 | 4.0 | 2.6 | 6.1 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 500 | 14.3 | 9.6 | 0.67 | 1.33 | 18.9 | 10.7 | 2.6 | Operation not recommended | | | | | | |
| | 5.0 | 3.9 | 8.9 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 500 | 13.8 | 8.8 | 0.64 | 1.41 | 18.6 | 9.8 | 3.5 | Operation not recommended | | | | | | |
| | 600 | 13.7 | 10.2 | 0.74 | 1.60 | 19.1 | 8.6 | 3.5 | Operation not recommended | | | | | | | | | |

3/16/12

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB024 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (800 CFM)

| EWT °F | WATER FLOW GPM | WPD | | HEATING - EAT 70 °F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | | | | |
|-----------|----------------------|-----|-----|---------------------------|------|------|------|-------|------|------|---------------------------|------|------|------|------|------|------|------|-----|--|--|
| | | PSI | FT | Airflow CFM | HC | KW | HE | LAT | COP | HWC | Airflow CFM | TC | SC | S/T | KW | HR | EER | HWC | | | |
| 20 | 4.0 | 1.2 | 2.8 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 2.1 | 4.9 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 8.0 | 4.2 | 9.7 | 600 | 15.0 | 1.42 | 10.3 | 87.3 | 3.14 | 1.7 | 800 | 15.4 | 1.43 | 10.5 | 85.8 | 3.16 | 1.6 | | | | |
| 30 | 4.0 | 1.1 | 2.6 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 2.1 | 4.9 | 600 | 19.0 | 1.50 | 13.7 | 92.4 | 3.69 | 1.8 | 600 | 26.1 | 15.1 | 0.61 | 0.87 | 29.1 | 30.0 | | | | |
| | | | | 800 | 19.1 | 1.51 | 14.0 | 90.1 | 3.72 | 1.7 | 800 | 26.5 | 17.0 | 0.64 | 0.92 | 29.7 | 29.0 | --- | | | |
| | 8.0 | 4.1 | 9.5 | 600 | 18.7 | 1.51 | 13.4 | 91.2 | 3.62 | 1.8 | 600 | 26.6 | 15.2 | 0.61 | 0.82 | 29.2 | 30.8 | | | | |
| | | | 800 | 18.9 | 1.52 | 13.7 | 89.9 | 3.64 | 1.7 | 800 | 26.9 | 17.3 | 0.64 | 0.86 | 29.8 | 30.0 | --- | | | | |
| 40 | 4.0 | 1.1 | 2.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 2.0 | 4.6 | 600 | 21.0 | 1.54 | 15.8 | 95.1 | 4.01 | 2.0 | 600 | 27.2 | 16.4 | 0.64 | 0.89 | 30.1 | 29.7 | | | | |
| | | | | 800 | 21.3 | 1.55 | 16.1 | 92.7 | 4.04 | 1.9 | 800 | 27.6 | 18.4 | 0.67 | 0.95 | 30.8 | 29.0 | --- | | | |
| | 8.0 | 4.1 | 9.5 | 600 | 21.4 | 1.56 | 16.1 | 96.0 | 4.03 | 2.0 | 600 | 27.4 | 16.5 | 0.64 | 0.87 | 30.2 | 30.5 | | | | |
| | | | 800 | 21.7 | 1.57 | 16.4 | 93.1 | 4.06 | 1.9 | 800 | 27.7 | 18.5 | 0.67 | 0.93 | 30.9 | 29.8 | --- | | | | |
| 50 | 4.0 | 1.1 | 2.5 | 600 | 22.5 | 1.56 | 17.2 | 96.8 | 4.25 | 2.2 | 600 | 28.0 | 17.8 | 0.65 | 0.93 | 31.2 | 30.1 | 1.2 | | | |
| | | | | 800 | 23.0 | 1.57 | 17.6 | 94.6 | 4.29 | 2.1 | 800 | 28.8 | 19.9 | 0.69 | 0.98 | 32.1 | 29.4 | 1.3 | | | |
| | 6.0 | 2.0 | 4.6 | 600 | 23.4 | 1.58 | 18.0 | 97.9 | 4.32 | 2.2 | 600 | 28.1 | 17.8 | 0.65 | 0.94 | 31.1 | 29.5 | 1.1 | | | |
| | | | | 800 | 23.8 | 1.59 | 18.3 | 95.5 | 4.38 | 2.1 | 800 | 28.7 | 19.8 | 0.69 | 0.99 | 32.0 | 28.9 | 1.2 | | | |
| | 8.0 | 4.0 | 9.3 | 600 | 24.0 | 1.60 | 18.6 | 98.8 | 4.41 | 2.3 | 600 | 27.9 | 17.6 | 0.65 | 0.95 | 31.0 | 29.1 | 1.1 | | | |
| | | | | 800 | 24.5 | 1.61 | 19.0 | 96.4 | 4.46 | 2.2 | 800 | 28.5 | 19.6 | 0.69 | 1.00 | 31.9 | 28.5 | 1.2 | | | |
| 60 | 4.0 | 1.0 | 2.2 | 600 | 25.4 | 1.61 | 20.0 | 100.2 | 4.62 | 2.4 | 600 | 27.3 | 17.4 | 0.68 | 1.01 | 30.8 | 26.3 | 1.4 | | | |
| | | | | 800 | 25.9 | 1.62 | 20.3 | 97.9 | 4.69 | 2.3 | 800 | 27.8 | 19.4 | 0.70 | 1.09 | 31.5 | 25.5 | 1.5 | | | |
| | 6.0 | 1.9 | 4.4 | 600 | 26.2 | 1.63 | 20.7 | 101.0 | 4.73 | 2.5 | 600 | 27.3 | 17.4 | 0.68 | 1.07 | 30.9 | 25.5 | 1.3 | | | |
| | | | | 800 | 26.7 | 1.64 | 21.1 | 98.8 | 4.78 | 2.4 | 800 | 27.8 | 19.4 | 0.70 | 1.12 | 31.6 | 24.8 | 1.4 | | | |
| | 8.0 | 3.9 | 9.0 | 600 | 27.0 | 1.65 | 21.4 | 102.4 | 4.82 | 2.5 | 600 | 27.3 | 17.3 | 0.67 | 1.09 | 31.0 | 25.3 | 1.3 | | | |
| | | | | 800 | 27.5 | 1.66 | 21.8 | 99.8 | 4.86 | 2.4 | 800 | 27.8 | 19.3 | 0.69 | 1.15 | 31.7 | 24.2 | 1.4 | | | |
| 70 | 4.0 | 0.9 | 2.1 | 600 | 28.2 | 1.65 | 22.4 | 103.6 | 5.02 | 2.7 | 600 | 26.2 | 16.8 | 0.69 | 1.12 | 31.1 | 22.9 | 1.7 | | | |
| | | | | 800 | 28.7 | 1.66 | 23.0 | 101.2 | 5.07 | 2.6 | 800 | 26.7 | 18.9 | 0.71 | 1.20 | 30.8 | 22.3 | 1.8 | | | |
| | 6.0 | 1.8 | 4.2 | 600 | 29.1 | 1.67 | 23.5 | 104.6 | 5.11 | 2.7 | 600 | 26.3 | 17.2 | 0.68 | 1.17 | 30.3 | 22.0 | 1.7 | | | |
| | | | | 800 | 29.6 | 1.68 | 23.8 | 102.2 | 5.16 | 2.6 | 800 | 26.9 | 19.0 | 0.70 | 1.25 | 31.2 | 21.5 | 1.8 | | | |
| | 8.0 | 3.8 | 8.7 | 600 | 30.0 | 1.69 | 24.0 | 105.7 | 5.19 | 2.8 | 600 | 26.5 | 17.2 | 0.68 | 1.21 | 30.7 | 21.1 | 1.6 | | | |
| | | | | 800 | 30.4 | 1.70 | 24.6 | 103.2 | 5.24 | 2.7 | 800 | 27.1 | 19.0 | 0.70 | 1.30 | 31.5 | 20.8 | 1.7 | | | |
| 80 | 4.0 | 0.8 | 1.9 | 600 | 31.2 | 1.72 | 25.2 | 106.4 | 5.32 | 3.0 | 600 | 24.5 | 16.6 | 0.71 | 1.45 | 29.5 | 15.9 | 2.2 | | | |
| | | | | 800 | 31.8 | 1.73 | 25.9 | 104.8 | 5.38 | 2.9 | 800 | 24.9 | 18.5 | 0.74 | 1.58 | 30.3 | 15.7 | 2.3 | | | |
| | 6.0 | 1.7 | 3.9 | 600 | 32.0 | 1.74 | 26.1 | 107.9 | 5.39 | 3.0 | 600 | 25.0 | 16.5 | 0.70 | 1.42 | 29.7 | 17.0 | 2.1 | | | |
| | | | | 800 | 32.5 | 1.75 | 26.5 | 105.6 | 5.43 | 2.9 | 800 | 25.4 | 18.6 | 0.73 | 1.51 | 30.5 | 16.8 | 2.2 | | | |
| | 8.0 | 3.7 | 8.5 | 600 | 31.8 | 1.77 | 26.6 | 108.8 | 5.42 | 3.1 | 600 | 25.2 | 16.5 | 0.70 | 1.34 | 29.8 | 18.1 | 2.0 | | | |
| | | | | 800 | 33.2 | 1.78 | 27.1 | 106.4 | 5.48 | 3.0 | 800 | 25.7 | 18.7 | 0.73 | 1.46 | 30.7 | 17.6 | 2.1 | | | |
| 90 | 4.0 | 0.8 | 1.7 | 600 | 34.0 | 1.79 | 28.2 | 110.8 | 5.62 | 3.4 | 600 | 22.8 | 15.9 | 0.75 | 1.64 | 28.7 | 13.6 | 2.7 | | | |
| | | | | 800 | 34.5 | 1.80 | 28.8 | 108.4 | 5.67 | 3.3 | 800 | 23.1 | 18.1 | 0.78 | 1.75 | 29.1 | 13.2 | 2.8 | | | |
| | 6.0 | 1.7 | 3.9 | 600 | 35.0 | 1.82 | 28.8 | 111.4 | 5.63 | 3.5 | 600 | 23.2 | 15.9 | 0.74 | 1.58 | 28.8 | 14.3 | 2.5 | | | |
| | | | | 800 | 35.5 | 1.83 | 29.2 | 109.0 | 5.69 | 3.4 | 800 | 23.8 | 18.2 | 0.76 | 1.67 | 29.5 | 14.2 | 2.7 | | | |
| | 8.0 | 3.7 | 8.5 | 600 | 35.8 | 1.84 | 29.3 | 112.0 | 5.65 | 3.6 | 600 | 23.8 | 15.8 | 0.74 | 1.55 | 29.1 | 15.5 | 2.4 | | | |
| | | | | 800 | 36.0 | 1.85 | 29.7 | 109.7 | 5.70 | 3.5 | 800 | 24.3 | 18.4 | 0.76 | 1.62 | 29.8 | 15.0 | 2.5 | | | |
| 100 | 4.0 | 0.7 | 1.6 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.6 | 3.7 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | | | | 600 | 22.0 | 15.7 | 0.76 | 1.64 | 27.9 | 13.1 | 3.3 | 800 | 22.4 | 17.6 | 0.79 | 1.77 | 28.4 | 12.7 | 3.4 | | |
| | 8.0 | 3.6 | 8.3 | 600 | 22.4 | 15.4 | 0.77 | 1.61 | 28.0 | 13.6 | 3.1 | 800 | 22.8 | 17.8 | 0.78 | 1.71 | 28.6 | 13.3 | 3.2 | | |
| 110 | 4.0 | 0.6 | 1.4 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | | | | 600 | 20.3 | 14.7 | 0.79 | 1.70 | 26.4 | 11.4 | 3.9 | 800 | 20.8 | 16.8 | 0.81 | 1.85 | 27.1 | 11.2 | 4.1 | | |
| | 8.0 | 3.5 | 8.1 | 600 | 20.8 | 14.6 | 0.79 | 1.65 | 26.5 | 12.1 | 3.7 | 800 | 21.2 | 17.1 | 0.81 | 1.80 | 27.3 | 11.8 | 3.9 | | |
| 120 | 4.0 | 0.6 | 1.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | | | | 600 | 18.3 | 14.1 | 0.84 | 2.19 | 25.9 | 8.8 | 4.8 | 800 | 18.9 | 16.3 | 0.86 | 2.37 | 27.0 | 8.0 | 4.9 | | |
| | 8.0 | 3.5 | 8.1 | 600 | 19.0 | 14.3 | 0.81 | 2.17 | 26.1 | 8.9 | 4.5 | 800 | 19.3 | 16.5 | 0.85 | 2.30 | 27.1 | 8.4 | 4.6 | | |

02/27/15

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB030 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (900 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|-----------|---------------------|------------------------|---------------------------|---------------------------|--------------|-------------|--------------|-----------|------|---------------------------|---------------------------|--------------|--------------|--------------|-------------|--------------|------|---------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 4.0 | 1.4 | 3.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 6.0 | 2.8 | 7.2 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 8.0 | 4.6 | 12.1 | 700 | 16.9 | 1.52 | 11.7 | 92.4 | 3.26 | 2.2 | Operation not recommended | | | | | | | |
| 30 | 4.0 | 1.4 | 3.4 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 19.4 | 1.51 | 14.2 | 95.7 | 3.77 | 2.4 | 700 | 26.1 | 16.7 | 0.64 | 0.87 | 29.1 | 30.0 | --- |
| | 6.0 | 2.7 | 7.0 | 900 | 19.8 | 1.54 | 14.6 | 90.4 | 3.77 | 2.2 | 900 | 26.8 | 18.7 | 0.70 | 0.94 | 30.0 | 28.5 | --- |
| | | | | 700 | 19.9 | 1.53 | 14.7 | 96.3 | 3.82 | 2.4 | 700 | 26.3 | 16.7 | 0.63 | 0.85 | 29.2 | 30.8 | --- |
| | 8.0 | 4.4 | 11.8 | 900 | 20.2 | 1.56 | 14.9 | 90.8 | 3.81 | 2.2 | 900 | 27.3 | 18.7 | 0.68 | 0.91 | 30.4 | 30.0 | --- |
| 40 | 4.0 | 1.3 | 3.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 22.7 | 1.56 | 17.4 | 100.1 | 4.27 | 2.6 | 700 | 28.3 | 18.0 | 0.64 | 0.95 | 31.5 | 29.7 | --- |
| | 6.0 | 2.6 | 6.8 | 900 | 23.3 | 1.58 | 17.9 | 93.9 | 4.31 | 2.4 | 900 | 29.1 | 20.2 | 0.70 | 1.02 | 32.6 | 28.4 | --- |
| | | | | 700 | 23.3 | 1.58 | 17.9 | 100.8 | 4.32 | 2.7 | 700 | 28.5 | 18.0 | 0.63 | 0.93 | 31.7 | 30.5 | --- |
| | 8.0 | 4.3 | 11.4 | 900 | 23.8 | 1.60 | 18.3 | 94.5 | 4.36 | 2.5 | 900 | 29.5 | 20.2 | 0.68 | 0.99 | 32.9 | 29.7 | --- |
| 50 | 4.0 | 1.3 | 3.2 | 700 | 24.9 | 1.60 | 19.4 | 102.9 | 4.55 | 2.8 | 700 | 30.2 | 19.3 | 0.64 | 1.10 | 34.0 | 27.5 | 1.4 |
| | | | | 900 | 25.5 | 1.62 | 20.0 | 96.2 | 4.61 | 2.6 | 900 | 31.1 | 21.7 | 0.70 | 1.17 | 35.1 | 26.6 | 1.5 |
| | 6.0 | 2.5 | 6.6 | 700 | 25.7 | 1.61 | 20.2 | 104.0 | 4.68 | 2.9 | 700 | 30.3 | 19.5 | 0.64 | 1.06 | 33.9 | 28.6 | 1.3 |
| | | | | 900 | 26.4 | 1.63 | 20.8 | 97.1 | 4.75 | 2.7 | 900 | 31.2 | 21.8 | 0.70 | 1.13 | 35.0 | 27.7 | 1.4 |
| | 8.0 | 4.2 | 11.1 | 700 | 26.3 | 1.63 | 20.7 | 104.8 | 4.72 | 3.0 | 700 | 30.6 | 19.5 | 0.64 | 1.04 | 34.1 | 29.5 | 1.2 |
| 60 | 4.0 | 1.2 | 3.1 | 700 | 27.9 | 1.67 | 22.2 | 107.0 | 4.90 | 3.2 | 700 | 29.5 | 18.9 | 0.64 | 1.21 | 33.6 | 24.4 | 1.7 |
| | | | | 900 | 28.7 | 1.67 | 23.0 | 99.5 | 5.02 | 3.0 | 900 | 30.4 | 21.3 | 0.70 | 1.28 | 34.7 | 23.7 | 1.8 |
| | 6.0 | 2.4 | 6.4 | 700 | 28.9 | 1.69 | 23.1 | 108.2 | 5.01 | 3.3 | 700 | 29.6 | 19.1 | 0.65 | 1.16 | 33.5 | 25.4 | 1.6 |
| | | | | 900 | 29.7 | 1.69 | 23.9 | 100.6 | 5.16 | 3.0 | 900 | 30.5 | 21.3 | 0.70 | 1.23 | 34.7 | 24.7 | 1.7 |
| | 8.0 | 4.0 | 10.7 | 700 | 29.5 | 1.71 | 23.6 | 109.0 | 5.05 | 3.4 | 700 | 29.9 | 19.1 | 0.64 | 1.14 | 33.8 | 26.2 | 1.5 |
| 70 | 4.0 | 1.2 | 3.0 | 700 | 31.1 | 1.76 | 25.1 | 111.1 | 5.19 | 3.6 | 700 | 29.7 | 19.2 | 0.65 | 1.35 | 34.3 | 22.0 | 2.1 |
| | | | | 900 | 32.0 | 1.75 | 26.0 | 102.9 | 5.36 | 3.3 | 900 | 30.6 | 21.6 | 0.71 | 1.42 | 35.4 | 21.5 | 2.2 |
| | 6.0 | 2.4 | 6.2 | 700 | 32.1 | 1.78 | 26.0 | 112.5 | 5.28 | 3.7 | 700 | 29.7 | 19.3 | 0.65 | 1.30 | 34.2 | 22.9 | 2.0 |
| | | | | 900 | 33.1 | 1.76 | 27.1 | 104.1 | 5.50 | 3.4 | 900 | 30.6 | 21.6 | 0.70 | 1.37 | 35.3 | 22.4 | 2.1 |
| | 8.0 | 3.9 | 10.4 | 700 | 32.7 | 1.81 | 26.5 | 113.2 | 5.31 | 3.8 | 700 | 30.1 | 19.3 | 0.64 | 1.27 | 34.4 | 23.6 | 1.8 |
| 80 | 4.0 | 1.2 | 2.9 | 700 | 33.6 | 1.84 | 27.3 | 114.4 | 5.36 | 4.0 | 700 | 28.4 | 19.0 | 0.67 | 1.51 | 33.6 | 18.9 | 2.6 |
| | | | | 900 | 34.7 | 1.81 | 28.5 | 105.7 | 5.61 | 3.7 | 900 | 29.3 | 21.3 | 0.73 | 1.58 | 34.7 | 18.5 | 2.8 |
| | 6.0 | 2.3 | 5.9 | 700 | 34.8 | 1.87 | 28.4 | 116.0 | 5.46 | 4.1 | 700 | 28.6 | 19.1 | 0.67 | 1.45 | 33.5 | 19.7 | 2.5 |
| | | | | 900 | 36.0 | 1.83 | 29.7 | 107.0 | 5.75 | 3.8 | 900 | 29.4 | 21.3 | 0.72 | 1.52 | 34.6 | 19.4 | 2.7 |
| | 8.0 | 3.8 | 10.0 | 700 | 35.3 | 1.89 | 28.9 | 116.7 | 5.47 | 4.3 | 700 | 28.8 | 19.1 | 0.66 | 1.42 | 33.7 | 20.3 | 2.3 |
| 90 | 4.0 | 1.1 | 2.8 | 700 | 36.2 | 1.94 | 29.6 | 117.8 | 5.47 | 4.5 | 700 | 26.3 | 18.0 | 0.68 | 1.68 | 32.0 | 15.6 | 3.3 |
| | | | | 900 | 37.4 | 1.89 | 31.0 | 108.5 | 5.80 | 4.2 | 900 | 27.1 | 20.1 | 0.74 | 1.75 | 33.1 | 15.5 | 3.5 |
| | 6.0 | 2.2 | 5.7 | 700 | 37.5 | 1.97 | 30.8 | 119.6 | 5.59 | 4.6 | 700 | 26.5 | 18.0 | 0.68 | 1.62 | 32.0 | 16.4 | 3.1 |
| | | | | 900 | 38.9 | 1.92 | 32.3 | 110.0 | 5.93 | 4.3 | 900 | 27.3 | 20.1 | 0.74 | 1.68 | 33.0 | 16.2 | 3.3 |
| | 8.0 | 3.6 | 9.6 | 700 | 38.0 | 2.00 | 31.2 | 120.3 | 5.58 | 4.8 | 700 | 26.7 | 18.1 | 0.68 | 1.58 | 32.1 | 16.9 | 2.8 |
| 100 | 4.0 | 1.1 | 2.7 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 25.3 | 1.80 | 0.71 | 1.83 | 31.5 | 13.8 | 3.8 | 700 | 25.3 | 18.0 | 0.71 | 1.83 | 31.5 | 13.8 |
| | 6.0 | 2.1 | 5.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 900 | 26.0 | 2.01 | 0.77 | 1.89 | 32.5 | 13.8 | 4.1 | 900 | 26.0 | 20.1 | 0.77 | 1.89 | 32.5 | 13.8 |
| | 8.0 | 3.5 | 9.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| 700 | | | | 25.5 | 1.81 | 0.71 | 1.79 | 31.6 | 14.3 | 3.5 | 700 | 25.5 | 18.1 | 0.71 | 1.79 | 31.6 | 14.3 | 3.5 |
| 110 | 4.0 | 1.0 | 2.6 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 900 | 22.2 | 1.88 | 0.85 | 2.10 | 29.3 | 10.6 | 5.0 | 900 | 22.2 | 18.8 | 0.85 | 2.10 | 29.3 | 10.6 |
| | 6.0 | 2.0 | 5.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 21.7 | 1.70 | 0.78 | 1.99 | 28.5 | 10.9 | 4.3 | 700 | 21.7 | 17.0 | 0.78 | 1.99 | 28.5 | 10.9 |
| | 8.0 | 3.4 | 8.9 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| 900 | | | | 22.4 | 1.89 | 0.84 | 2.05 | 29.4 | 10.9 | 4.7 | 900 | 22.4 | 18.9 | 0.84 | 2.05 | 29.4 | 10.9 | 4.7 |
| 120 | 4.0 | 1.0 | 2.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 20.8 | 1.63 | 0.78 | 2.30 | 28.7 | 9.1 | 5.5 | 700 | 20.8 | 16.3 | 0.78 | 2.30 | 28.7 | 9.1 |
| | 6.0 | 2.0 | 5.1 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 900 | 21.4 | 1.81 | 0.85 | 2.35 | 29.5 | 9.1 | 6.0 | 900 | 21.4 | 18.1 | 0.85 | 2.35 | 29.5 | 9.1 |
| 8.0 | 3.2 | 8.6 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | |
| | | | 700 | 20.9 | 1.64 | 0.78 | 2.25 | 28.6 | 9.3 | 5.1 | 700 | 20.9 | 16.4 | 0.78 | 2.25 | 28.6 | 9.3 | 5.1 |
| | | | | | | | | | | 900 | 21.7 | 18.2 | 0.84 | 2.30 | 29.5 | 9.4 | 5.7 | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB036 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (1250 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|--------------|-------------|--------------|-----------|------|---------------|---------------------------|--------------|--------------|--------------|-------------|--------------|------|---------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 5.0 | 1.0 | 2.4 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 7.0 | 2.1 | 4.9 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 9.0 | 3.6 | 8.2 | 1050 | 21.0 | 1.83 | 14.8 | 88.5 | 3.36 | 2.7 | Operation not recommended | | | | | | | |
| | | | | 1250 | 21.4 | 1.87 | 15.0 | 85.8 | 3.35 | 2.4 | Operation not recommended | | | | | | | |
| 30 | 5.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 7.0 | 2.1 | 4.7 | 1050 | 23.6 | 1.84 | 17.3 | 90.8 | 3.76 | 2.9 | 1050 | 30.2 | 19.5 | 0.65 | 1.05 | 33.8 | 28.6 | --- |
| | | | | 1250 | 24.1 | 1.88 | 17.7 | 87.8 | 3.76 | 2.6 | 1250 | 31.0 | 21.9 | 0.70 | 1.14 | 34.9 | 27.2 | --- |
| | 9.0 | 3.5 | 8.0 | 1050 | 24.2 | 1.86 | 17.9 | 91.3 | 3.82 | 3.0 | 1050 | 30.4 | 19.4 | 0.64 | 1.04 | 34.0 | 29.4 | --- |
| | | | | 1250 | 24.6 | 1.89 | 18.1 | 88.2 | 3.81 | 2.7 | 1250 | 31.5 | 21.8 | 0.69 | 1.10 | 35.3 | 28.7 | --- |
| 40 | 5.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 7.0 | 2.0 | 4.6 | 1050 | 27.4 | 1.89 | 20.9 | 94.2 | 4.24 | 3.2 | 1050 | 33.1 | 21.7 | 0.66 | 1.15 | 37.0 | 28.7 | --- |
| | | | | 1250 | 28.0 | 1.92 | 21.5 | 90.8 | 4.28 | 3.0 | 1250 | 34.0 | 24.3 | 0.71 | 1.24 | 38.3 | 27.5 | --- |
| | 9.0 | 3.4 | 7.8 | 1050 | 28.0 | 1.92 | 21.5 | 94.7 | 4.29 | 3.3 | 1050 | 33.4 | 21.6 | 0.65 | 1.13 | 37.2 | 29.5 | --- |
| | | | | 1250 | 28.6 | 1.94 | 22.0 | 91.2 | 4.33 | 3.0 | 1250 | 34.5 | 24.3 | 0.70 | 1.20 | 38.6 | 28.7 | --- |
| 50 | 5.0 | 1.0 | 2.2 | 1050 | 29.8 | 1.94 | 23.2 | 96.3 | 4.52 | 3.5 | 1050 | 35.6 | 23.4 | 0.66 | 1.33 | 40.2 | 26.8 | 1.7 |
| | | | | 1250 | 30.5 | 1.95 | 23.8 | 92.6 | 4.58 | 3.2 | 1250 | 36.7 | 26.3 | 0.72 | 1.41 | 41.5 | 26.0 | 1.8 |
| | 7.0 | 1.9 | 4.5 | 1050 | 30.8 | 1.94 | 24.2 | 97.1 | 4.64 | 3.6 | 1050 | 35.7 | 23.6 | 0.66 | 1.28 | 40.1 | 27.9 | 1.6 |
| | | | | 1250 | 31.6 | 1.96 | 24.9 | 93.4 | 4.72 | 3.3 | 1250 | 36.8 | 26.4 | 0.72 | 1.36 | 41.4 | 27.0 | 1.7 |
| | 9.0 | 3.3 | 7.5 | 1050 | 31.5 | 1.97 | 24.7 | 97.7 | 4.68 | 3.7 | 1050 | 36.1 | 23.6 | 0.65 | 1.25 | 40.4 | 28.8 | 1.4 |
| 1250 | | | | 32.2 | 1.98 | 25.5 | 93.9 | 4.78 | 3.4 | 1250 | 37.2 | 26.4 | 0.71 | 1.33 | 41.8 | 28.0 | 1.6 | |
| 60 | 5.0 | 0.9 | 2.1 | 1050 | 33.4 | 1.99 | 26.6 | 99.4 | 4.92 | 3.9 | 1050 | 35.4 | 24.0 | 0.68 | 1.45 | 40.3 | 24.4 | 2.0 |
| | | | | 1250 | 34.3 | 1.99 | 27.5 | 95.4 | 5.04 | 3.6 | 1250 | 36.4 | 26.9 | 0.74 | 1.54 | 41.7 | 23.7 | 2.1 |
| | 7.0 | 1.9 | 4.3 | 1050 | 34.5 | 2.01 | 27.6 | 100.4 | 5.03 | 4.0 | 1050 | 35.4 | 24.1 | 0.68 | 1.40 | 40.2 | 25.4 | 1.9 |
| | | | | 1250 | 35.5 | 2.01 | 28.6 | 96.3 | 5.18 | 3.7 | 1250 | 36.5 | 27.0 | 0.74 | 1.48 | 41.6 | 24.7 | 2.0 |
| | 9.0 | 3.1 | 7.3 | 1050 | 35.2 | 2.04 | 28.2 | 101.0 | 5.06 | 4.2 | 1050 | 35.8 | 24.1 | 0.67 | 1.37 | 40.5 | 26.2 | 1.7 |
| 1250 | | | | 36.2 | 2.03 | 29.2 | 96.8 | 5.23 | 3.8 | 1250 | 36.9 | 27.0 | 0.73 | 1.45 | 41.9 | 25.6 | 1.9 | |
| 70 | 5.0 | 0.9 | 2.1 | 1050 | 37.1 | 2.05 | 30.1 | 102.8 | 5.31 | 4.4 | 1050 | 35.9 | 24.9 | 0.69 | 1.61 | 41.3 | 22.3 | 2.5 |
| | | | | 1250 | 38.2 | 2.04 | 31.3 | 98.3 | 5.48 | 4.1 | 1250 | 36.9 | 28.0 | 0.76 | 1.70 | 42.7 | 21.8 | 2.6 |
| | 7.0 | 1.8 | 4.2 | 1050 | 38.4 | 2.09 | 31.3 | 103.9 | 5.40 | 4.5 | 1050 | 36.0 | 25.0 | 0.70 | 1.55 | 41.2 | 23.2 | 2.3 |
| | | | | 1250 | 39.6 | 2.06 | 32.6 | 99.3 | 5.63 | 4.2 | 1250 | 37.0 | 28.0 | 0.76 | 1.63 | 42.6 | 22.7 | 2.5 |
| | 9.0 | 3.0 | 7.0 | 1050 | 39.1 | 2.11 | 31.9 | 104.5 | 5.43 | 4.7 | 1050 | 36.3 | 25.0 | 0.69 | 1.52 | 41.5 | 24.0 | 2.2 |
| 1250 | | | | 40.3 | 2.09 | 33.2 | 99.8 | 5.66 | 4.3 | 1250 | 37.4 | 28.1 | 0.75 | 1.60 | 42.9 | 23.4 | 2.4 | |
| 80 | 5.0 | 0.9 | 2.0 | 1050 | 40.1 | 2.11 | 32.9 | 105.4 | 5.57 | 4.9 | 1050 | 35.0 | 24.8 | 0.71 | 1.78 | 41.0 | 19.6 | 3.1 |
| | | | | 1250 | 41.4 | 2.08 | 34.3 | 100.7 | 5.83 | 4.6 | 1250 | 36.0 | 27.8 | 0.77 | 1.87 | 42.4 | 19.3 | 3.3 |
| | 7.0 | 1.7 | 4.0 | 1050 | 41.6 | 2.15 | 34.3 | 106.7 | 5.68 | 5.1 | 1050 | 35.1 | 24.9 | 0.71 | 1.72 | 41.0 | 20.4 | 2.9 |
| | | | | 1250 | 43.0 | 2.11 | 35.8 | 101.8 | 5.97 | 4.7 | 1250 | 36.2 | 27.8 | 0.77 | 1.80 | 42.3 | 20.2 | 3.1 |
| | 9.0 | 2.9 | 6.8 | 1050 | 42.2 | 2.18 | 34.8 | 107.2 | 5.69 | 5.2 | 1050 | 35.5 | 24.9 | 0.70 | 1.68 | 41.2 | 21.1 | 2.7 |
| 1250 | | | | 43.7 | 2.13 | 36.4 | 102.3 | 6.00 | 4.8 | 1250 | 36.6 | 27.9 | 0.76 | 1.76 | 42.6 | 20.7 | 3.0 | |
| 90 | 5.0 | 0.8 | 1.9 | 1050 | 43.3 | 2.18 | 35.9 | 108.2 | 5.82 | 5.5 | 1050 | 32.8 | 24.2 | 0.74 | 1.97 | 39.5 | 16.6 | 3.9 |
| | | | | 1250 | 44.9 | 2.13 | 37.6 | 103.2 | 6.16 | 5.1 | 1250 | 33.8 | 27.0 | 0.80 | 2.05 | 40.8 | 16.5 | 4.1 |
| | 7.0 | 1.7 | 3.9 | 1050 | 45.0 | 2.22 | 37.4 | 109.6 | 5.95 | 5.7 | 1050 | 33.0 | 24.2 | 0.73 | 1.90 | 39.5 | 17.4 | 3.6 |
| | | | | 1250 | 46.6 | 2.17 | 39.2 | 104.5 | 6.31 | 5.3 | 1250 | 34.0 | 27.0 | 0.79 | 1.97 | 40.7 | 17.3 | 3.9 |
| | 9.0 | 2.8 | 6.6 | 1050 | 45.5 | 2.25 | 37.9 | 110.2 | 5.93 | 5.9 | 1050 | 33.3 | 24.3 | 0.73 | 1.85 | 39.6 | 17.9 | 3.4 |
| 1250 | | | | 47.3 | 2.19 | 39.8 | 105.0 | 6.32 | 5.4 | 1250 | 34.3 | 27.1 | 0.79 | 1.94 | 40.9 | 17.7 | 3.7 | |
| 100 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 7.0 | 1.6 | 3.8 | Operation not recommended | | | | | | | 1050 | 32.1 | 24.0 | 0.75 | 2.12 | 39.3 | 15.1 | 4.5 |
| | | | | 1250 | 33.1 | 26.8 | 0.81 | 2.20 | 40.6 | 15.0 | 4.8 | | | | | | | |
| | 9.0 | 2.7 | 6.3 | Operation not recommended | | | | | | | 1050 | 32.4 | 24.1 | 0.75 | 2.08 | 39.4 | 15.6 | 4.1 |
| 1250 | | | | 33.4 | 26.9 | 0.81 | 2.15 | 40.7 | 15.5 | 4.6 | | | | | | | | |
| 110 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 7.0 | 1.6 | 3.6 | Operation not recommended | | | | | | | 1050 | 28.9 | 22.3 | 0.77 | 2.35 | 36.9 | 12.3 | 5.4 |
| | | | | 1250 | 29.8 | 24.9 | 0.84 | 2.42 | 38.0 | 12.3 | 5.9 | | | | | | | |
| | 9.0 | 2.6 | 6.1 | Operation not recommended | | | | | | | 1050 | 29.1 | 22.4 | 0.77 | 2.30 | 37.0 | 12.7 | 5.0 |
| 1250 | | | | 30.1 | 25.0 | 0.83 | 2.37 | 38.2 | 12.7 | 5.6 | | | | | | | | |
| 120 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 7.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | 1050 | 27.1 | 22.0 | 0.81 | 2.63 | 36.1 | 10.3 | 6.5 |
| | | | | 1250 | 27.9 | 24.5 | 0.88 | 2.70 | 37.1 | 10.4 | 7.1 | | | | | | | |
| | 9.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | 1050 | 27.3 | 22.2 | 0.81 | 2.57 | 36.1 | 10.6 | 6.1 |
| 1250 | | | | 28.2 | 24.6 | 0.87 | 2.63 | 37.2 | 10.7 | 6.7 | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB042 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (1350 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|---------------------------|-------------|--------------|-----------|------|---------------|---------------------------|---------------------------|--------------|--------------|-------------|--------------|------|---------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 5.0 | 0.8 | 1.9 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 8.0 | 2.3 | 5.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 11.0 | 4.4 | 10.3 | 1150 | 24.0 | 2.12 | 16.8 | 89.3 | 3.32 | 4.1 | Operation not recommended | | | | | | | |
| | | | | 1350 | 24.3 | 2.10 | 17.1 | 86.7 | 3.39 | 3.7 | Operation not recommended | | | | | | | |
| 30 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 8.0 | 2.2 | 5.1 | 1150 | 27.9 | 2.16 | 20.6 | 92.5 | 3.80 | 4.3 | 1150 | 40.2 | 24.5 | 0.61 | 1.34 | 44.8 | 29.9 | --- |
| | | | | 1350 | 28.3 | 2.14 | 21.0 | 89.4 | 3.87 | 3.9 | 1350 | 42.1 | 27.5 | 0.65 | 1.42 | 46.9 | 29.6 | --- |
| | 11.0 | 4.3 | 10.0 | 1150 | 28.3 | 2.16 | 21.0 | 92.8 | 3.85 | 4.4 | 1150 | 40.6 | 24.5 | 0.60 | 1.31 | 45.0 | 31.1 | --- |
| | | | | 1350 | 28.7 | 2.14 | 21.4 | 89.7 | 3.93 | 4.0 | 1350 | 42.5 | 27.5 | 0.65 | 1.38 | 47.2 | 30.8 | --- |
| | 40 | 5.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | Operation not recommended | | | | | | |
| 8.0 | | 2.1 | 4.9 | 1150 | 31.8 | 2.24 | 24.1 | 95.6 | 4.15 | 4.7 | 1150 | 41.9 | 26.2 | 0.62 | 1.43 | 46.8 | 29.3 | --- |
| | | | | 1350 | 32.3 | 2.21 | 24.7 | 92.1 | 4.28 | 4.3 | 1350 | 43.8 | 29.4 | 0.67 | 1.51 | 48.9 | 29.0 | --- |
| 11.0 | | 4.2 | 9.7 | 1150 | 32.4 | 2.25 | 24.7 | 96.1 | 4.21 | 4.9 | 1150 | 42.3 | 26.2 | 0.62 | 1.39 | 47.1 | 30.5 | --- |
| | | | | 1350 | 32.9 | 2.21 | 25.3 | 92.5 | 4.35 | 4.4 | 1350 | 44.2 | 29.4 | 0.66 | 1.47 | 49.2 | 30.1 | --- |
| 50 | | 5.0 | 0.7 | 1.7 | 1150 | 34.2 | 2.26 | 26.5 | 97.5 | 4.44 | 5.1 | 1150 | 42.6 | 27.0 | 0.63 | 1.62 | 48.1 | 26.3 |
| | 1350 | | | | 34.8 | 2.21 | 27.2 | 93.8 | 4.61 | 4.7 | 1350 | 44.4 | 30.4 | 0.68 | 1.71 | 50.2 | 26.0 | 2.6 |
| | 8.0 | 2.1 | 4.8 | 1150 | 35.6 | 2.31 | 27.7 | 98.7 | 4.52 | 5.3 | 1150 | 43.1 | 27.3 | 0.63 | 1.55 | 48.3 | 27.9 | 2.3 |
| | | | | 1350 | 36.2 | 2.26 | 28.5 | 94.8 | 4.71 | 4.8 | 1350 | 44.8 | 30.7 | 0.68 | 1.63 | 50.4 | 27.6 | 2.5 |
| | 11.0 | 4.1 | 9.4 | 1150 | 36.3 | 2.32 | 28.4 | 99.3 | 4.58 | 5.4 | 1150 | 43.5 | 27.3 | 0.63 | 1.50 | 48.6 | 29.0 | 2.1 |
| | | | | 1350 | 37.0 | 2.27 | 29.3 | 95.4 | 4.78 | 5.0 | 1350 | 45.3 | 30.7 | 0.68 | 1.58 | 50.7 | 28.7 | 2.4 |
| 60 | 5.0 | 0.7 | 1.7 | 1150 | 37.5 | 2.32 | 29.6 | 100.2 | 4.73 | 5.7 | 1150 | 42.5 | 27.7 | 0.65 | 1.78 | 48.5 | 23.8 | 3.0 |
| | | | | 1350 | 38.3 | 2.26 | 30.5 | 96.2 | 4.96 | 5.3 | 1350 | 44.1 | 31.1 | 0.71 | 1.87 | 50.5 | 23.6 | 3.2 |
| | 8.0 | 2.0 | 4.6 | 1150 | 39.2 | 2.39 | 31.0 | 101.6 | 4.80 | 5.9 | 1150 | 43.0 | 28.0 | 0.65 | 1.70 | 48.8 | 25.4 | 2.8 |
| | | | | 1350 | 40.0 | 2.32 | 32.1 | 97.4 | 5.06 | 5.4 | 1350 | 44.7 | 31.4 | 0.70 | 1.78 | 50.8 | 25.1 | 3.0 |
| | 11.0 | 3.9 | 9.1 | 1150 | 40.1 | 2.41 | 31.9 | 102.3 | 4.87 | 6.1 | 1150 | 43.4 | 28.0 | 0.64 | 1.65 | 49.1 | 26.4 | 2.6 |
| | | | | 1350 | 41.0 | 2.34 | 33.0 | 98.1 | 5.14 | 5.6 | 1350 | 45.1 | 31.4 | 0.70 | 1.73 | 51.0 | 26.1 | 2.9 |
| 70 | 5.0 | 0.7 | 1.6 | 1150 | 40.7 | 2.40 | 32.5 | 102.8 | 4.97 | 6.4 | 1150 | 42.6 | 28.6 | 0.67 | 1.97 | 49.4 | 21.6 | 3.8 |
| | | | | 1350 | 41.6 | 2.32 | 33.7 | 98.6 | 5.26 | 6.0 | 1350 | 44.2 | 32.1 | 0.73 | 2.06 | 51.2 | 21.4 | 4.0 |
| | 8.0 | 1.9 | 4.5 | 1150 | 42.7 | 2.48 | 34.2 | 104.4 | 5.04 | 6.6 | 1150 | 43.3 | 28.9 | 0.67 | 1.87 | 49.7 | 23.1 | 3.5 |
| | | | | 1350 | 43.7 | 2.39 | 35.5 | 100.0 | 5.36 | 6.1 | 1350 | 44.9 | 32.5 | 0.72 | 1.96 | 51.5 | 22.9 | 3.8 |
| | 11.0 | 3.8 | 8.8 | 1150 | 43.8 | 2.51 | 35.2 | 105.2 | 5.11 | 6.8 | 1150 | 43.7 | 28.9 | 0.66 | 1.82 | 49.9 | 24.1 | 3.3 |
| | | | | 1350 | 44.9 | 2.42 | 36.6 | 100.8 | 5.45 | 6.3 | 1350 | 45.3 | 32.5 | 0.72 | 1.90 | 51.8 | 23.8 | 3.6 |
| 80 | 5.0 | 0.7 | 1.6 | 1150 | 43.7 | 2.44 | 35.4 | 105.2 | 5.26 | 7.2 | 1150 | 41.0 | 27.9 | 0.68 | 2.19 | 48.5 | 18.7 | 4.8 |
| | | | | 1350 | 44.9 | 2.34 | 36.9 | 100.8 | 5.63 | 6.7 | 1350 | 42.4 | 31.4 | 0.74 | 2.29 | 50.2 | 18.5 | 5.1 |
| | 8.0 | 1.9 | 4.3 | 1150 | 46.0 | 2.54 | 37.4 | 107.0 | 5.32 | 7.5 | 1150 | 41.8 | 28.2 | 0.68 | 2.08 | 48.9 | 20.1 | 4.5 |
| | | | | 1350 | 47.3 | 2.42 | 39.0 | 102.4 | 5.72 | 6.9 | 1350 | 43.2 | 31.7 | 0.73 | 2.17 | 50.6 | 19.9 | 4.8 |
| | 11.0 | 3.7 | 8.5 | 1150 | 47.3 | 2.57 | 38.6 | 108.1 | 5.39 | 7.7 | 1150 | 42.2 | 28.2 | 0.67 | 2.02 | 49.1 | 20.9 | 4.1 |
| | | | | 1350 | 48.7 | 2.46 | 40.3 | 103.4 | 5.82 | 7.1 | 1350 | 43.6 | 31.7 | 0.73 | 2.11 | 50.8 | 20.7 | 4.6 |
| 90 | 5.0 | 0.7 | 1.5 | 1150 | 46.7 | 2.48 | 38.2 | 107.6 | 5.51 | 8.1 | 1150 | 38.9 | 27.1 | 0.70 | 2.45 | 47.2 | 15.9 | 6.0 |
| | | | | 1350 | 48.0 | 2.37 | 40.0 | 102.9 | 5.95 | 7.5 | 1350 | 40.1 | 30.5 | 0.76 | 2.55 | 48.8 | 15.7 | 6.4 |
| | 8.0 | 1.8 | 4.2 | 1150 | 49.2 | 2.60 | 40.4 | 109.6 | 5.55 | 8.4 | 1150 | 39.7 | 27.4 | 0.69 | 2.31 | 47.6 | 17.1 | 5.6 |
| | | | | 1350 | 50.8 | 2.47 | 42.4 | 104.8 | 6.03 | 7.8 | 1350 | 40.9 | 30.8 | 0.75 | 2.41 | 49.1 | 17.0 | 6.1 |
| | 11.0 | 3.5 | 8.2 | 1150 | 50.8 | 2.64 | 41.8 | 110.9 | 5.63 | 8.6 | 1150 | 40.1 | 27.4 | 0.68 | 2.25 | 47.7 | 17.8 | 5.2 |
| | | | | 1350 | 52.4 | 2.51 | 43.9 | 106.0 | 6.14 | 8.0 | 1350 | 41.3 | 30.8 | 0.75 | 2.34 | 49.3 | 17.6 | 5.8 |
| 100 | 5.0 | 0.6 | 1.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 8.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | 1150 | 38.2 | 26.9 | 0.70 | 2.58 | 47.0 | 14.8 | 6.9 |
| | | | | 1350 | 39.2 | 30.2 | 0.77 | 2.68 | 48.4 | 14.6 | 7.5 | | | | | | | |
| | 11.0 | 3.4 | 7.9 | Operation not recommended | | | | | | | 1150 | 38.5 | 26.9 | 0.70 | 2.50 | 47.1 | 15.4 | 6.4 |
| 1350 | | | | 39.6 | 30.2 | 0.76 | 2.60 | 48.5 | 15.2 | 7.2 | | | | | | | | |
| 110 | 5.0 | 0.6 | 1.4 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 8.0 | 1.7 | 3.9 | Operation not recommended | | | | | | | 1150 | 34.8 | 24.9 | 0.71 | 2.88 | 44.6 | 12.1 | 8.5 |
| | | | | 1350 | 35.7 | 27.9 | 0.78 | 2.98 | 45.9 | 12.0 | 9.2 | | | | | | | |
| | 11.0 | 3.3 | 7.6 | Operation not recommended | | | | | | | 1150 | 35.1 | 24.9 | 0.71 | 2.79 | 44.7 | 12.6 | 7.9 |
| 1350 | | | | 36.0 | 27.9 | 0.77 | 2.89 | 45.9 | 12.5 | 8.8 | | | | | | | | |
| 120 | 5.0 | 0.6 | 1.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 8.0 | 1.6 | 3.7 | Operation not recommended | | | | | | | 1150 | 32.8 | 24.6 | 0.75 | 3.20 | 43.7 | 10.2 | 10.3 |
| | | | | 1350 | 33.5 | 27.6 | 0.82 | 3.31 | 44.8 | 10.1 | 11.1 | | | | | | | |
| | 11.0 | 3.2 | 7.3 | Operation not recommended | | | | | | | 1150 | 33.1 | 24.6 | 0.74 | 3.11 | 43.7 | 10.7 | 9.5 |
| 1350 | | | | 33.9 | 27.6 | 0.81 | 3.21 | 44.8 | 10.6 | 10.6 | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB048 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (1500 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | | | | | | | | | | |
|--------|---------------|---------------------|---------------------------|---------------------------|-----------|----------|-----------|--------|------|------------|------------------------|-----------|-----------|-----------|----------|-----------|------|------------|------|------|------|------|------|------|------|------|------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h | | | | | | | | | |
| 20 | 6.0 | 1.1 | 2.6 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.0 | 2.3 | 5.4 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 12.0 | 4.0 | 9.2 | 1300 | 31.6 | 2.84 | 21.9 | 92.5 | 3.26 | 5.3 | 1500 | 32.0 | 2.82 | 22.4 | 89.7 | 3.33 | 4.8 | | | | | | | | | | |
| 30 | 6.0 | 1.1 | 2.5 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.0 | 2.3 | 5.3 | 1300 | 36.3 | 2.92 | 26.3 | 95.8 | 3.64 | 5.6 | 1500 | 36.7 | 2.90 | 26.8 | 92.6 | 3.71 | 5.2 | 1300 | 48.2 | 29.6 | 0.61 | 1.58 | 53.6 | 30.5 | --- | | |
| | 12.0 | 3.9 | 9.0 | 1300 | 36.8 | 2.93 | 26.8 | 96.2 | 3.68 | 5.8 | 1500 | 37.2 | 2.90 | 27.3 | 93.0 | 3.76 | 5.3 | 1300 | 48.7 | 29.6 | 0.61 | 1.53 | 53.9 | 31.8 | --- | | |
| | | | | 1500 | 44.7 | 3.09 | 34.1 | 101.8 | 4.24 | 6.7 | 1500 | 51.0 | 33.3 | 0.65 | 1.62 | 56.5 | 31.4 | --- | | | | | | | | | |
| | | | | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | 6.0 | 1.1 | 2.5 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.0 | 2.2 | 5.1 | 1300 | 41.7 | 3.05 | 31.3 | 99.7 | 4.00 | 6.2 | 1500 | 42.2 | 3.00 | 32.0 | 96.1 | 4.13 | 5.7 | 1300 | 50.1 | 31.2 | 0.62 | 1.74 | 56.0 | 28.9 | --- | | |
| | 12.0 | 3.8 | 8.7 | 1500 | 42.4 | 3.06 | 31.9 | 100.2 | 4.06 | 6.4 | 1300 | 43.0 | 3.01 | 32.7 | 96.5 | 4.19 | 5.8 | 1500 | 52.3 | 35.1 | 0.67 | 1.83 | 58.6 | 28.6 | --- | | |
| | | | | 1300 | 44.7 | 3.09 | 34.1 | 101.8 | 4.24 | 6.7 | 1300 | 50.6 | 31.2 | 0.62 | 1.68 | 56.4 | 30.0 | --- | | | | | | | | | |
| | | | | 1500 | 43.0 | 3.01 | 32.7 | 96.5 | 4.19 | 5.8 | 1500 | 52.9 | 35.1 | 0.66 | 1.78 | 58.9 | 29.7 | --- | | | | | | | | | |
| 50 | 6.0 | 1.0 | 2.4 | 1300 | 44.7 | 3.09 | 34.1 | 101.8 | 4.24 | 6.7 | 1500 | 45.4 | 3.02 | 35.1 | 98.0 | 4.40 | 6.2 | 1300 | 51.2 | 32.5 | 0.63 | 2.02 | 58.1 | 25.3 | 2.9 | | |
| | 9.0 | 2.1 | 4.9 | 1500 | 45.4 | 3.02 | 35.1 | 98.0 | 4.40 | 6.2 | 1300 | 46.5 | 3.16 | 35.7 | 103.1 | 4.32 | 6.9 | 1500 | 53.3 | 36.5 | 0.68 | 2.13 | 60.6 | 25.1 | 3.1 | | |
| | | | | 1300 | 47.3 | 3.08 | 36.7 | 99.2 | 4.49 | 6.4 | 1300 | 47.4 | 3.18 | 36.6 | 103.8 | 4.37 | 7.2 | 1500 | 53.9 | 36.8 | 0.68 | 2.03 | 60.8 | 26.6 | 2.9 | | |
| | | | | 1500 | 47.4 | 3.18 | 36.6 | 103.8 | 4.37 | 7.2 | 1300 | 48.2 | 3.10 | 37.7 | 99.8 | 4.56 | 6.5 | 1300 | 52.2 | 32.8 | 0.63 | 1.87 | 58.6 | 27.9 | 2.5 | | |
| | 12.0 | 3.7 | 8.4 | 1500 | 48.2 | 3.10 | 37.7 | 99.8 | 4.56 | 6.5 | 1500 | 48.2 | 3.10 | 37.7 | 99.8 | 4.56 | 6.5 | 1500 | 54.4 | 36.8 | 0.68 | 1.97 | 61.1 | 27.6 | 2.8 | | |
| 60 | 6.0 | 1.0 | 2.3 | 1300 | 49.1 | 3.18 | 38.2 | 105.0 | 4.52 | 7.6 | 1500 | 50.0 | 3.10 | 39.5 | 100.9 | 4.74 | 7.0 | 1300 | 50.0 | 32.1 | 0.64 | 2.24 | 57.6 | 22.3 | 3.5 | | |
| | 9.0 | 2.1 | 4.8 | 1500 | 50.0 | 3.10 | 39.5 | 100.9 | 4.74 | 7.0 | 1300 | 51.3 | 3.28 | 40.1 | 106.5 | 4.59 | 7.8 | 1500 | 51.9 | 36.0 | 0.69 | 2.35 | 59.9 | 22.1 | 3.7 | | |
| | | | | 1300 | 51.3 | 3.28 | 40.1 | 106.5 | 4.59 | 7.8 | 1300 | 52.3 | 3.18 | 41.5 | 102.3 | 4.83 | 7.2 | 1300 | 50.6 | 32.4 | 0.64 | 2.13 | 57.9 | 23.7 | 3.3 | | |
| | | | | 1500 | 52.3 | 3.18 | 41.5 | 102.3 | 4.83 | 7.2 | 1500 | 52.6 | 36.4 | 0.69 | 2.24 | 60.2 | 23.5 | 3.6 | | | | | | | | | |
| | 12.0 | 3.5 | 8.2 | 1300 | 52.5 | 3.31 | 41.2 | 107.4 | 4.65 | 8.0 | 1500 | 53.6 | 3.20 | 42.7 | 103.1 | 4.91 | 7.4 | 1300 | 51.1 | 32.4 | 0.63 | 2.07 | 58.2 | 24.7 | 3.0 | | |
| 1500 | 53.6 | 3.20 | 42.7 | 103.1 | 4.91 | 7.4 | 1500 | 53.1 | 36.4 | 0.69 | 2.17 | 60.5 | 24.4 | 3.4 | | | | | | | | | | | | | |
| 70 | 6.0 | 1.0 | 2.2 | 1300 | 53.6 | 3.29 | 42.4 | 108.2 | 4.78 | 8.5 | 1500 | 54.7 | 3.17 | 43.9 | 103.8 | 5.05 | 7.9 | 1300 | 49.7 | 32.4 | 0.65 | 2.51 | 58.3 | 19.8 | 4.4 | | |
| | 9.0 | 2.0 | 4.6 | 1500 | 54.7 | 3.17 | 43.9 | 103.8 | 5.05 | 7.9 | 1300 | 56.1 | 3.40 | 44.5 | 110.0 | 4.84 | 8.8 | 1500 | 51.5 | 36.5 | 0.71 | 2.63 | 60.5 | 19.6 | 4.7 | | |
| | | | | 1300 | 56.1 | 3.40 | 44.5 | 110.0 | 4.84 | 8.8 | 1300 | 57.4 | 3.27 | 46.3 | 105.5 | 5.14 | 8.1 | 1300 | 50.5 | 32.8 | 0.65 | 2.38 | 58.6 | 21.2 | 4.1 | | |
| | | | | 1500 | 57.4 | 3.27 | 46.3 | 105.5 | 5.14 | 8.1 | 1500 | 57.6 | 3.44 | 45.8 | 111.0 | 4.91 | 9.0 | 1500 | 52.3 | 36.8 | 0.70 | 2.50 | 60.9 | 21.0 | 4.5 | | |
| | 12.0 | 3.4 | 7.9 | 1300 | 57.6 | 3.44 | 45.8 | 111.0 | 4.91 | 9.0 | 1500 | 59.0 | 3.31 | 47.7 | 106.4 | 5.22 | 8.3 | 1300 | 51.0 | 32.8 | 0.64 | 2.31 | 58.9 | 22.0 | 3.8 | | |
| 1500 | 59.0 | 3.31 | 47.7 | 106.4 | 5.22 | 8.3 | 1500 | 52.9 | 36.8 | 0.70 | 2.42 | 61.1 | 21.8 | 4.2 | | | | | | | | | | | | | |
| 80 | 6.0 | 0.9 | 2.1 | 1300 | 57.1 | 3.37 | 45.6 | 110.7 | 4.97 | 9.6 | 1500 | 58.6 | 3.23 | 47.5 | 106.2 | 5.32 | 8.8 | 1300 | 49.7 | 31.7 | 0.67 | 2.81 | 57.3 | 17.0 | 5.6 | | |
| | 9.0 | 1.9 | 4.5 | 1500 | 58.6 | 3.23 | 47.5 | 106.2 | 5.32 | 8.8 | 1300 | 60.1 | 3.50 | 48.1 | 112.8 | 5.03 | 9.8 | 1500 | 49.3 | 35.6 | 0.72 | 2.94 | 59.3 | 16.8 | 5.9 | | |
| | | | | 1300 | 60.1 | 3.50 | 48.1 | 112.8 | 5.03 | 9.8 | 1300 | 61.7 | 3.35 | 50.3 | 108.1 | 5.40 | 9.1 | 1300 | 48.5 | 32.0 | 0.66 | 2.66 | 57.6 | 18.2 | 5.2 | | |
| | | | | 1500 | 61.7 | 3.35 | 50.3 | 108.1 | 5.40 | 9.1 | 1500 | 61.8 | 3.55 | 49.7 | 114.0 | 5.10 | 10.1 | 1500 | 50.2 | 36.0 | 0.72 | 2.78 | 59.7 | 18.0 | 5.6 | | |
| | 12.0 | 3.3 | 7.6 | 1300 | 61.8 | 3.55 | 49.7 | 114.0 | 5.10 | 10.1 | 1500 | 63.5 | 3.39 | 51.9 | 109.2 | 5.49 | 9.4 | 1300 | 49.0 | 32.0 | 0.65 | 2.59 | 57.8 | 19.0 | 4.8 | | |
| 1500 | 63.5 | 3.39 | 51.9 | 109.2 | 5.49 | 9.4 | 1500 | 63.5 | 3.39 | 51.9 | 109.2 | 5.49 | 9.4 | 1500 | 50.7 | 36.0 | 0.71 | 2.70 | 59.9 | 18.8 | 5.4 | | | | | | |
| 90 | 6.0 | 0.9 | 2.1 | 1300 | 60.7 | 3.45 | 48.9 | 113.2 | 5.16 | 10.7 | 1500 | 62.4 | 3.29 | 51.2 | 108.5 | 5.56 | 9.9 | 1300 | 44.5 | 30.3 | 0.68 | 3.14 | 55.2 | 14.2 | 7.0 | | |
| | 9.0 | 1.9 | 4.3 | 1500 | 62.4 | 3.29 | 51.2 | 108.5 | 5.56 | 9.9 | 1300 | 64.1 | 3.61 | 51.7 | 115.6 | 5.20 | 11.1 | 1500 | 45.9 | 34.0 | 0.74 | 3.27 | 57.0 | 14.0 | 7.4 | | |
| | | | | 1300 | 64.1 | 3.61 | 51.7 | 115.6 | 5.20 | 11.1 | 1300 | 66.0 | 3.43 | 54.3 | 110.7 | 5.64 | 10.2 | 1300 | 45.4 | 30.6 | 0.67 | 2.97 | 55.5 | 15.3 | 6.5 | | |
| | | | | 1500 | 66.0 | 3.43 | 54.3 | 110.7 | 5.64 | 10.2 | 1500 | 66.1 | 3.67 | 53.5 | 117.0 | 5.27 | 11.4 | 1500 | 46.8 | 34.3 | 0.73 | 3.09 | 57.4 | 15.1 | 7.1 | | |
| | 12.0 | 3.2 | 7.4 | 1300 | 66.1 | 3.67 | 53.5 | 117.0 | 5.27 | 11.4 | 1500 | 68.1 | 3.48 | 56.2 | 112.0 | 5.74 | 10.6 | 1300 | 45.9 | 30.6 | 0.67 | 2.88 | 55.7 | 15.9 | 6.1 | | |
| 1500 | 68.1 | 3.48 | 56.2 | 112.0 | 5.74 | 10.6 | 1500 | 47.3 | 34.3 | 0.73 | 3.00 | 57.5 | 15.7 | 6.7 | | | | | | | | | | | | | |
| 100 | 6.0 | 0.9 | 2.0 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.0 | 1.8 | 4.2 | 1300 | 43.9 | 30.1 | 0.69 | 3.33 | 55.2 | 13.2 | 8.1 | 1500 | 45.1 | 33.9 | 0.75 | 3.46 | 56.9 | 13.0 | 8.8 | 1300 | 44.3 | 30.1 | 0.68 | 3.23 | 55.3 | 13.7 | 7.5 |
| | | | | 1500 | 45.1 | 33.9 | 0.75 | 3.46 | 56.9 | 13.0 | 8.8 | 1500 | 45.6 | 33.9 | 0.74 | 3.36 | 57.0 | 13.6 | 8.4 | 1500 | 45.6 | 33.9 | 0.74 | 3.36 | 57.0 | 13.6 | 8.4 |
| | | | | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| 110 | 6.0 | 0.8 | 1.9 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.0 | 1.7 | 4.0 | 1300 | 39.7 | 28.0 | 0.71 | 3.71 | 52.3 | 10.7 | 9.9 | 1500 | 40.7 | 31.4 | 0.77 | 3.84 | 53.8 | 10.6 | 10.8 | 1300 | 40.1 | 28.0 | 0.70 | 3.60 | 52.3 | 11.1 | 9.2 |
| | | | | 1500 | 40.1 | 28.0 | 0.70 | 3.60 | 52.3 | 11.1 | 9.2 | 1500 | 41.1 | 31.4 | 0.77 | 3.73 | 53.8 | 11.0 | 10.2 | 1500 | 41.1 | 31.4 | 0.77 | 3.73 | 53.8 | 11.0 | 10.2 |
| 12.0 | 3.0 | 6.8 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | 6.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 9.0 | 1.7 | 3.8 | 1300 | 37.6 | 27.4 | 0.73 | 4.13 | 51.7 | 9.1 | 12.0 | 1500 | 38.4 | 30.8 | 0.80 | 4.27 | 53.0 | 9.0 | 13.0 | 1300 | 37.9 | 27.4 | 0.72 | 4.01 | 51.6 | 9.5 | 11.1 |
| | | | | 1500 | 38.4 | 30.8 | 0.80 | 4.27 | 53.0 | 9.0 | 13.0 | 1500 | 37.9 | 27.4 | 0.72 | 4.01 | 51.6 | 9.5 | 11.1 | 1500 | 38.8 | 30.8 | 0.79 | 4.15 | 53.0 | 9.4 | 12.4 |
| | | | | 1300 | 37.9 | 27.4 | 0.72 | 4.01 | 51.6 | 9.5 | 11.1 | 1500 | 38.8 | 30.8 | 0.79 | 4.15 | 53.0 | 9.4 | 12.4 | 1500 | 38.8 | 30.8 | 0.79 | 4.15 | 53.0 | 9.4 | 12.4 |
| 12.0 | 2.8 | 6.6 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB060 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (2000 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|---------------------------|---------------------------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 9.0 | 2.5 | 5.7 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 4.0 | 9.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 5.9 | 13.5 | 1500 | 38.6 | 3.70 | 26.0 | 93.8 | 3.06 | 6.5 | Operation not recommended | | | | | | | |
| 30 | 9.0 | 2.4 | 5.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 1500 | 43.5 | 3.70 | 30.9 | 96.9 | 3.45 | 6.2 | 1500 | 73.6 | 46.9 | 0.64 | 2.16 | 81.0 | 34.1 | --- |
| | 12.0 | 3.9 | 8.9 | 2000 | 44.4 | 3.77 | 31.5 | 90.5 | 3.45 | 6.2 | 2000 | 71.2 | 48.3 | 0.68 | 2.61 | 80.2 | 27.3 | --- |
| | | | | 1500 | 44.9 | 3.80 | 31.9 | 97.7 | 3.46 | 7.0 | 1500 | 74.3 | 47.0 | 0.63 | 2.16 | 81.7 | 34.4 | --- |
| | 15.0 | 5.7 | 13.1 | 2000 | 45.8 | 3.86 | 32.6 | 91.2 | 3.47 | 6.4 | 2000 | 72.4 | 47.8 | 0.66 | 2.44 | 80.8 | 29.6 | --- |
| | | | | Operation not recommended | | | | | | | | | | | | | | |
| 40 | 9.0 | 2.3 | 5.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 1500 | 51.3 | 3.86 | 38.2 | 101.7 | 3.90 | 7.5 | 1500 | 71.9 | 47.4 | 0.66 | 2.40 | 80.1 | 30.0 | --- |
| | 12.0 | 3.7 | 8.7 | 2000 | 52.5 | 3.94 | 39.1 | 94.3 | 3.91 | 6.9 | 2000 | 71.3 | 49.5 | 0.69 | 2.81 | 80.9 | 25.4 | --- |
| | | | | 1500 | 52.8 | 3.94 | 39.3 | 102.6 | 3.92 | 7.8 | 1500 | 72.6 | 47.6 | 0.66 | 2.39 | 80.8 | 30.4 | --- |
| | 15.0 | 5.5 | 12.7 | 2000 | 53.8 | 4.01 | 40.1 | 94.9 | 3.93 | 7.1 | 2000 | 72.1 | 49.3 | 0.68 | 2.65 | 81.2 | 27.2 | --- |
| | | | | 1500 | 57.3 | 4.00 | 43.6 | 105.4 | 4.19 | 8.1 | 1500 | 72.2 | 48.4 | 0.67 | 2.81 | 81.8 | 25.7 | 3.9 |
| 50 | 9.0 | 2.2 | 5.2 | 2000 | 57.9 | 4.05 | 44.1 | 96.8 | 4.19 | 7.5 | 2000 | 72.4 | 50.2 | 0.69 | 3.15 | 83.1 | 23.0 | 4.1 |
| | | | | 1500 | 57.9 | 3.99 | 44.3 | 105.7 | 4.25 | 8.4 | 1500 | 72.3 | 48.5 | 0.67 | 2.71 | 81.6 | 26.7 | 3.6 |
| | 12.0 | 3.6 | 8.4 | 2000 | 59.4 | 4.09 | 45.5 | 97.5 | 4.26 | 7.7 | 2000 | 72.4 | 50.7 | 0.70 | 3.09 | 82.9 | 23.5 | 3.9 |
| | | | | 1500 | 59.4 | 4.08 | 45.5 | 106.6 | 4.27 | 8.6 | 1500 | 73.0 | 48.7 | 0.67 | 2.70 | 82.2 | 27.1 | 3.4 |
| | 15.0 | 5.3 | 12.3 | 2000 | 60.5 | 4.13 | 46.4 | 98.0 | 4.29 | 7.9 | 2000 | 73.1 | 50.7 | 0.69 | 2.94 | 83.2 | 24.9 | 3.7 |
| | | | | Operation not recommended | | | | | | | | | | | | | | |
| 60 | 9.0 | 2.2 | 5.0 | 1500 | 63.3 | 4.14 | 49.2 | 109.1 | 4.48 | 9.1 | 1500 | 68.5 | 46.2 | 0.68 | 3.04 | 78.9 | 22.5 | 4.7 |
| | | | | 2000 | 64.4 | 4.17 | 50.1 | 99.8 | 4.52 | 8.4 | 2000 | 70.0 | 49.1 | 0.70 | 3.33 | 81.4 | 21.0 | 5.0 |
| | 12.0 | 3.5 | 8.1 | 1500 | 64.9 | 4.16 | 50.7 | 110.0 | 4.57 | 9.4 | 1500 | 68.7 | 46.4 | 0.68 | 2.93 | 78.7 | 23.4 | 4.4 |
| | | | | 2000 | 65.8 | 4.21 | 51.4 | 100.5 | 4.57 | 8.7 | 2000 | 70.4 | 49.3 | 0.70 | 3.24 | 81.4 | 21.7 | 4.8 |
| | 15.0 | 5.2 | 11.9 | 1500 | 66.3 | 4.23 | 51.9 | 110.9 | 4.59 | 9.7 | 1500 | 69.4 | 46.7 | 0.67 | 2.91 | 79.3 | 23.9 | 4.1 |
| | | | | 2000 | 67.7 | 4.28 | 53.1 | 101.3 | 4.63 | 8.9 | 2000 | 70.8 | 49.6 | 0.70 | 3.12 | 81.4 | 22.7 | 4.6 |
| 70 | 9.0 | 2.1 | 4.9 | 1500 | 69.5 | 4.29 | 54.9 | 112.9 | 4.75 | 10.3 | 1500 | 65.9 | 45.2 | 0.69 | 3.42 | 77.5 | 19.3 | 5.9 |
| | | | | 2000 | 71.0 | 4.31 | 56.3 | 102.9 | 4.83 | 9.5 | 2000 | 68.8 | 49.1 | 0.71 | 3.68 | 81.3 | 18.7 | 6.3 |
| | 12.0 | 3.4 | 7.9 | 1500 | 72.0 | 4.33 | 57.2 | 114.5 | 4.87 | 10.6 | 1500 | 66.2 | 45.5 | 0.69 | 3.29 | 77.4 | 20.1 | 5.5 |
| | | | | 2000 | 72.4 | 4.35 | 57.5 | 103.5 | 4.87 | 9.8 | 2000 | 69.5 | 49.1 | 0.71 | 3.54 | 81.6 | 19.6 | 6.0 |
| | 15.0 | 5.0 | 11.6 | 1500 | 73.4 | 4.40 | 58.4 | 115.3 | 4.89 | 10.9 | 1500 | 66.8 | 45.8 | 0.69 | 3.25 | 77.9 | 20.6 | 5.1 |
| | | | | 2000 | 75.1 | 4.44 | 59.9 | 104.7 | 4.95 | 10.0 | 2000 | 69.5 | 49.6 | 0.71 | 3.44 | 81.2 | 20.2 | 5.7 |
| 80 | 9.0 | 2.0 | 4.7 | 1500 | 74.3 | 4.41 | 59.3 | 115.9 | 4.94 | 11.5 | 1500 | 64.1 | 44.6 | 0.70 | 3.81 | 77.0 | 16.8 | 7.5 |
| | | | | 2000 | 75.7 | 4.41 | 60.6 | 105.0 | 5.03 | 10.7 | 2000 | 65.7 | 47.7 | 0.73 | 4.06 | 79.6 | 16.2 | 8.0 |
| | 12.0 | 3.3 | 7.6 | 1500 | 77.7 | 4.48 | 62.4 | 117.9 | 5.08 | 11.9 | 1500 | 64.4 | 45.0 | 0.70 | 3.66 | 76.9 | 17.6 | 7.0 |
| | | | | 2000 | 78.3 | 4.44 | 63.2 | 106.3 | 5.18 | 11.0 | 2000 | 66.4 | 47.7 | 0.72 | 3.87 | 79.6 | 17.2 | 7.6 |
| | 15.0 | 4.8 | 11.2 | 1500 | 78.9 | 4.54 | 63.4 | 118.7 | 5.10 | 12.2 | 1500 | 65.1 | 45.4 | 0.70 | 3.60 | 77.4 | 18.1 | 6.5 |
| | | | | 2000 | 80.5 | 4.57 | 64.9 | 107.3 | 5.16 | 11.3 | 2000 | 66.7 | 48.2 | 0.72 | 3.76 | 79.6 | 17.8 | 7.2 |
| 90 | 9.0 | 2.0 | 4.5 | 1500 | 79.3 | 4.54 | 63.8 | 119.0 | 5.12 | 13.0 | 1500 | 60.9 | 43.2 | 0.71 | 4.20 | 75.2 | 14.5 | 9.4 |
| | | | | 2000 | 80.6 | 4.53 | 65.1 | 107.3 | 5.21 | 12.0 | 2000 | 61.3 | 45.5 | 0.74 | 4.45 | 76.5 | 13.8 | 10.0 |
| | 12.0 | 3.2 | 7.3 | 1500 | 83.5 | 4.65 | 67.7 | 121.6 | 5.27 | 13.4 | 1500 | 61.3 | 43.7 | 0.71 | 4.03 | 75.1 | 15.2 | 8.8 |
| | | | | 2000 | 84.5 | 4.53 | 69.1 | 109.1 | 5.47 | 12.4 | 2000 | 61.9 | 45.5 | 0.73 | 4.20 | 76.3 | 14.7 | 9.5 |
| | 15.0 | 4.7 | 10.8 | 1500 | 84.7 | 4.69 | 68.6 | 122.3 | 5.29 | 13.8 | 1500 | 61.9 | 44.1 | 0.71 | 3.96 | 75.4 | 15.7 | 8.2 |
| | | | | 2000 | 86.2 | 4.72 | 70.0 | 109.9 | 5.35 | 12.8 | 2000 | 62.6 | 46.0 | 0.73 | 4.08 | 76.5 | 15.3 | 9.1 |
| 100 | 9.0 | 1.9 | 4.4 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 3.1 | 7.1 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 4.5 | 10.4 | 1500 | 58.8 | 42.9 | 0.73 | 4.59 | 74.5 | 12.8 | 10.9 | Operation not recommended | | | | | | |
| | | | | 2000 | 59.4 | 44.7 | 0.75 | 4.70 | 75.5 | 12.6 | 11.8 | Operation not recommended | | | | | | |
| 110 | 9.0 | 1.8 | 4.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 2.9 | 6.8 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 4.3 | 10.0 | 1500 | 53.8 | 39.9 | 0.74 | 5.08 | 71.2 | 10.6 | 13.4 | Operation not recommended | | | | | | |
| | | | | 2000 | 54.4 | 41.5 | 0.76 | 5.14 | 71.9 | 10.6 | 14.5 | Operation not recommended | | | | | | |
| 12.0 | 2.9 | 6.8 | 1500 | 54.4 | 40.4 | 0.74 | 4.96 | 71.3 | 11.0 | 12.4 | Operation not recommended | | | | | | | |
| | | | 2000 | 54.9 | 42.1 | 0.77 | 5.01 | 72.0 | 11.0 | 13.8 | Operation not recommended | | | | | | | |
| 120 | 9.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 2.8 | 6.5 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 4.2 | 9.6 | 1500 | 51.8 | 40.5 | 0.78 | 5.78 | 71.5 | 9.0 | 16.1 | Operation not recommended | | | | | | |
| | | | | 2000 | 50.8 | 41.2 | 0.81 | 5.80 | 70.6 | 8.8 | 17.5 | Operation not recommended | | | | | | |
| 12.0 | 2.8 | 6.5 | 1500 | 52.3 | 41.1 | 0.78 | 5.62 | 71.5 | 9.3 | 15.0 | Operation not recommended | | | | | | | |
| | | | 2000 | 51.7 | 41.7 | 0.81 | 5.63 | 70.9 | 9.2 | 16.7 | Operation not recommended | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB070 - Performance Data

Single Speed with Variable Speed ECM or 5-Speed ECM (2200 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | | | | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|------------------------|-----------|-----------|-----------|----------|-----------|------|---------------------------|------|---------------------------|------|------|------|------|------|------|------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h | | | | | | | | | |
| 20 | 12.0 | 3.0 | 7.0 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 15.0 | 4.4 | 10.2 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 18.0 | 6.0 | 13.9 | 1700 | 45.6 | 4.45 | 30.4 | 94.8 | 3.00 | 7.7 | 2200 | 46.6 | 4.54 | 31.2 | 89.6 | 3.01 | 6.9 | Operation not recommended | | | | | | | | | |
| 30 | 12.0 | 3.0 | 6.8 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 15.0 | 4.3 | 9.9 | 1700 | 52.5 | 4.55 | 37.0 | 98.6 | 3.38 | 8.1 | 2200 | 53.8 | 4.65 | 37.9 | 92.6 | 3.39 | 7.4 | 1700 | 69.3 | 43.4 | 0.63 | 2.39 | 77.5 | 29.0 | --- | | |
| | 18.0 | 5.8 | 13.5 | 1700 | 52.7 | 4.57 | 37.1 | 98.7 | 3.38 | 8.4 | 2200 | 54.0 | 4.66 | 38.1 | 92.7 | 3.39 | 7.6 | 1700 | 69.7 | 42.9 | 0.62 | 2.38 | 77.8 | 29.3 | --- | | |
| 40 | 12.0 | 2.9 | 6.6 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 15.0 | 4.1 | 9.6 | 1700 | 61.3 | 4.75 | 45.1 | 103.4 | 3.78 | 8.9 | 2200 | 62.8 | 4.80 | 46.4 | 96.4 | 3.83 | 8.2 | 1700 | 71.7 | 46.1 | 0.64 | 2.63 | 80.6 | 27.3 | --- | | |
| | 18.0 | 5.7 | 13.1 | 1700 | 61.7 | 4.77 | 45.4 | 103.6 | 3.79 | 9.2 | 2200 | 63.2 | 4.82 | 46.7 | 96.6 | 3.84 | 8.4 | 1700 | 72.2 | 45.9 | 0.64 | 2.61 | 81.1 | 27.7 | --- | | |
| 50 | 12.0 | 2.8 | 6.4 | 1700 | 67.6 | 4.89 | 50.9 | 106.8 | 4.05 | 9.7 | 2200 | 69.2 | 4.91 | 52.4 | 99.1 | 4.13 | 8.9 | 1700 | 75.1 | 48.4 | 0.64 | 3.01 | 85.4 | 24.9 | 4.3 | | |
| | 15.0 | 4.0 | 9.3 | 1700 | 68.9 | 4.94 | 52.1 | 107.5 | 4.09 | 10.0 | 2200 | 70.6 | 4.95 | 53.7 | 99.7 | 4.18 | 9.2 | 1700 | 75.5 | 48.7 | 0.64 | 2.92 | 85.5 | 25.8 | 4.0 | | |
| | 18.0 | 5.5 | 12.7 | 1700 | 69.5 | 4.97 | 52.6 | 107.9 | 4.10 | 10.3 | 2200 | 71.3 | 4.98 | 54.3 | 100.0 | 4.20 | 9.4 | 1700 | 76.3 | 48.9 | 0.64 | 2.89 | 86.1 | 26.4 | 3.7 | | |
| 60 | 12.0 | 2.7 | 6.2 | 1700 | 74.9 | 5.09 | 57.5 | 110.8 | 4.31 | 10.8 | 2200 | 76.8 | 5.06 | 59.5 | 102.3 | 4.45 | 10.0 | 1700 | 72.3 | 46.9 | 0.65 | 3.31 | 83.5 | 21.8 | 5.2 | | |
| | 15.0 | 3.9 | 9.0 | 1700 | 77.1 | 5.16 | 59.5 | 112.0 | 4.38 | 11.2 | 2200 | 79.1 | 5.12 | 61.6 | 103.3 | 4.53 | 10.3 | 1700 | 72.6 | 47.0 | 0.65 | 3.22 | 83.5 | 22.6 | 4.8 | | |
| | 18.0 | 5.3 | 12.3 | 1700 | 78.0 | 5.20 | 60.2 | 112.5 | 4.39 | 11.5 | 2200 | 80.0 | 5.15 | 62.4 | 103.7 | 4.55 | 10.6 | 1700 | 73.5 | 47.6 | 0.65 | 3.17 | 84.3 | 23.2 | 4.5 | | |
| 70 | 12.0 | 2.6 | 6.0 | 1700 | 82.6 | 5.30 | 64.5 | 115.0 | 4.57 | 12.2 | 2200 | 84.8 | 5.22 | 66.9 | 105.7 | 4.76 | 11.3 | 1700 | 72.0 | 47.5 | 0.66 | 3.69 | 84.6 | 19.5 | 6.5 | | |
| | 15.0 | 3.8 | 8.7 | 1700 | 85.6 | 5.40 | 67.2 | 116.6 | 4.65 | 12.6 | 2200 | 87.9 | 5.30 | 69.8 | 107.0 | 4.86 | 11.6 | 1700 | 72.3 | 47.6 | 0.66 | 3.59 | 84.5 | 20.2 | 6.1 | | |
| | 18.0 | 5.1 | 11.9 | 1700 | 86.8 | 5.44 | 68.2 | 117.3 | 4.67 | 13.0 | 2200 | 89.1 | 5.34 | 70.9 | 107.5 | 4.89 | 11.9 | 1700 | 73.4 | 48.7 | 0.66 | 3.53 | 85.4 | 20.8 | 5.6 | | |
| 80 | 12.0 | 2.5 | 5.8 | 1700 | 88.2 | 5.50 | 69.4 | 118.0 | 4.70 | 13.7 | 2200 | 90.7 | 5.37 | 72.3 | 108.2 | 4.95 | 12.7 | 1700 | 72.0 | 47.5 | 0.66 | 3.69 | 84.6 | 19.5 | 6.5 | | |
| | 15.0 | 3.6 | 8.4 | 1700 | 92.2 | 5.62 | 73.0 | 120.2 | 4.81 | 14.1 | 2200 | 94.8 | 5.47 | 76.2 | 109.9 | 5.08 | 13.1 | 1700 | 72.3 | 47.6 | 0.66 | 3.59 | 84.5 | 20.2 | 6.1 | | |
| | 18.0 | 5.0 | 11.5 | 1700 | 93.6 | 5.68 | 74.3 | 121.0 | 4.83 | 14.6 | 2200 | 96.5 | 5.52 | 77.6 | 110.6 | 5.12 | 13.5 | 1700 | 73.4 | 48.7 | 0.66 | 3.53 | 85.4 | 20.8 | 5.6 | | |
| 90 | 12.0 | 2.4 | 5.6 | 1700 | 94.2 | 5.72 | 74.7 | 121.3 | 4.83 | 15.4 | 2200 | 97.0 | 5.53 | 78.1 | 110.8 | 5.14 | 14.3 | 1700 | 73.4 | 48.7 | 0.66 | 3.53 | 85.4 | 20.8 | 5.6 | | |
| | 15.0 | 3.5 | 8.1 | 1700 | 99.2 | 5.87 | 79.2 | 124.1 | 4.96 | 15.9 | 2200 | 102.2 | 5.66 | 82.9 | 113.0 | 5.29 | 14.7 | 1700 | 73.4 | 48.7 | 0.66 | 3.53 | 85.4 | 20.8 | 5.6 | | |
| | 18.0 | 4.8 | 11.1 | 1700 | 100.9 | 5.93 | 80.7 | 125.0 | 4.99 | 16.4 | 2200 | 104.2 | 5.71 | 84.8 | 113.9 | 5.35 | 15.2 | 1700 | 73.4 | 48.7 | 0.66 | 3.53 | 85.4 | 20.8 | 5.6 | | |
| 100 | 12.0 | 2.3 | 5.4 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 15.0 | 3.4 | 7.8 | 1700 | 61.7 | 41.6 | 0.67 | 5.01 | 78.9 | 12.3 | 12.0 | 2200 | 64.0 | 47.7 | 0.75 | 5.39 | 82.4 | 11.9 | 13.0 | 1700 | 63.1 | 43.7 | 0.69 | 4.88 | 79.8 | 12.9 | 11.1 |
| | 18.0 | 4.6 | 10.7 | 1700 | 63.1 | 43.7 | 0.69 | 4.88 | 79.8 | 12.9 | 11.1 | 2200 | 65.4 | 50.1 | 0.77 | 5.24 | 83.3 | 12.5 | 12.3 | Operation not recommended | | | | | | | |
| 110 | 12.0 | 2.2 | 5.2 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 15.0 | 3.3 | 7.5 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 18.0 | 4.4 | 10.2 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| 120 | 12.0 | 2.2 | 5.0 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | | | |
| | 15.0 | 3.1 | 7.2 | 1700 | 52.0 | 37.4 | 0.72 | 6.27 | 73.4 | 8.3 | 17.7 | 2200 | 53.4 | 43.0 | 0.80 | 6.60 | 76.0 | 8.1 | 19.2 | 1700 | 53.4 | 40.0 | 0.75 | 6.06 | 74.1 | 8.8 | 16.4 |
| | 18.0 | 4.3 | 9.8 | 1700 | 53.4 | 40.0 | 0.75 | 6.06 | 74.1 | 8.8 | 16.4 | 2200 | 54.9 | 45.9 | 0.84 | 6.38 | 76.7 | 8.6 | 18.2 | Operation not recommended | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB026 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM Low Speed (700 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|------------------------|-----------|-----------|-----------|----------|-----------|-----|---------------------------|------|------|------|------|------|------|-----|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h | | | | | | | |
| 20 | 3.0 | 0.8 | 1.9 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 5.0 | 2.0 | 4.7 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 7.0 | 3.7 | 8.7 | 500 | 11.8 | 1.05 | 8.2 | 91.8 | 3.30 | 1.8 | 700 | 11.9 | 1.05 | 8.3 | 85.8 | 3.32 | 1.6 | Operation not recommended | | | | | | | |
| 30 | 3.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 5.0 | 2.0 | 4.5 | 500 | 13.5 | 1.06 | 9.9 | 95.1 | 3.75 | 1.8 | 700 | 13.8 | 1.07 | 10.2 | 88.3 | 3.80 | 1.6 | 500 | 22.5 | 14.1 | 0.63 | 0.52 | 24.3 | 43.2 | --- |
| | 7.0 | 3.6 | 8.4 | 500 | 13.8 | 1.07 | 10.2 | 95.6 | 3.80 | 1.8 | 700 | 14.0 | 1.08 | 10.3 | 88.5 | 3.81 | 1.6 | 500 | 22.6 | 14.1 | 0.62 | 0.51 | 24.7 | 41.6 | --- |
| 40 | 3.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 5.0 | 1.9 | 4.4 | 500 | 16.0 | 1.068 | 12.3 | 99.6 | 4.38 | 1.8 | 700 | 16.3 | 1.07 | 12.6 | 91.5 | 4.45 | 1.7 | 500 | 23.3 | 14.7 | 0.63 | 0.57 | 25.3 | 40.8 | --- |
| | 7.0 | 3.5 | 8.2 | 500 | 16.2 | 1.08 | 12.6 | 100.1 | 4.40 | 1.9 | 700 | 16.6 | 1.08 | 12.9 | 91.9 | 4.49 | 1.7 | 500 | 23.5 | 14.7 | 0.63 | 0.56 | 25.4 | 42.3 | --- |
| 50 | 3.0 | 0.7 | 1.7 | 500 | 17.3 | 1.06 | 13.6 | 102.0 | 4.75 | 1.9 | 700 | 17.6 | 1.06 | 14.0 | 93.3 | 4.85 | 1.7 | 500 | 23.8 | 15.1 | 0.63 | 0.68 | 26.1 | 35.2 | 0.7 |
| | 5.0 | 1.8 | 4.3 | 500 | 18.1 | 1.09 | 14.4 | 103.6 | 4.89 | 1.9 | 700 | 18.5 | 1.09 | 14.8 | 94.5 | 4.98 | 1.8 | 500 | 24.0 | 15.2 | 0.63 | 0.64 | 26.2 | 37.4 | 0.7 |
| | 7.0 | 3.4 | 7.9 | 500 | 18.4 | 1.10 | 14.6 | 104.1 | 4.89 | 2.0 | 700 | 18.8 | 1.10 | 15.1 | 94.9 | 5.04 | 1.8 | 500 | 24.3 | 15.2 | 0.63 | 0.62 | 26.4 | 39.0 | 0.6 |
| 60 | 3.0 | 0.7 | 1.7 | 500 | 19.5 | 1.08 | 15.8 | 106.2 | 5.29 | 2.1 | 700 | 20.0 | 1.07 | 16.3 | 96.4 | 5.46 | 1.9 | 500 | 23.0 | 14.8 | 0.64 | 0.76 | 25.6 | 30.1 | 1.0 |
| | 5.0 | 1.8 | 4.1 | 500 | 20.4 | 1.10 | 16.7 | 107.9 | 5.42 | 2.1 | 700 | 21.0 | 1.10 | 17.2 | 97.7 | 5.60 | 2.0 | 500 | 23.2 | 14.9 | 0.64 | 0.72 | 25.7 | 32.1 | 0.9 |
| | 7.0 | 3.3 | 7.6 | 500 | 20.8 | 1.12 | 17.0 | 108.5 | 5.44 | 2.2 | 700 | 21.3 | 1.10 | 17.5 | 98.2 | 5.65 | 2.0 | 500 | 23.5 | 14.9 | 0.64 | 0.70 | 25.9 | 33.4 | 0.8 |
| 70 | 3.0 | 0.7 | 1.6 | 500 | 21.9 | 1.10 | 18.2 | 110.6 | 5.86 | 2.3 | 700 | 22.4 | 1.07 | 18.8 | 99.7 | 6.12 | 2.1 | 500 | 23.9 | 16.3 | 0.68 | 0.73 | 26.4 | 32.8 | 0.9 |
| | 5.0 | 1.7 | 4.0 | 500 | 22.9 | 1.12 | 19.0 | 112.3 | 6.00 | 2.4 | 700 | 23.6 | 1.10 | 19.8 | 101.2 | 6.26 | 2.2 | 500 | 23.2 | 15.1 | 0.65 | 0.82 | 26.0 | 28.2 | 1.3 |
| | 7.0 | 3.2 | 7.4 | 500 | 23.3 | 1.13 | 19.4 | 113.1 | 6.03 | 2.4 | 700 | 23.9 | 1.11 | 20.1 | 101.6 | 6.31 | 2.2 | 500 | 23.7 | 16.5 | 0.69 | 0.86 | 26.7 | 27.7 | 1.4 |
| 80 | 3.0 | 0.7 | 1.6 | 500 | 23.8 | 1.13 | 19.9 | 114.0 | 6.19 | 2.6 | 700 | 24.3 | 1.13 | 20.1 | 101.6 | 6.31 | 2.2 | 500 | 23.5 | 15.1 | 0.64 | 0.80 | 26.2 | 29.2 | 1.2 |
| | 5.0 | 1.7 | 3.9 | 500 | 24.8 | 1.15 | 20.9 | 116.0 | 6.32 | 2.6 | 700 | 25.3 | 1.16 | 21.3 | 116.8 | 6.36 | 2.7 | 500 | 23.9 | 16.5 | 0.69 | 0.83 | 26.7 | 28.8 | 1.3 |
| | 7.0 | 3.1 | 7.1 | 500 | 25.3 | 1.16 | 21.3 | 116.8 | 6.36 | 2.7 | 700 | 26.1 | 1.13 | 22.2 | 104.5 | 6.75 | 2.5 | 500 | 22.2 | 14.6 | 0.66 | 0.92 | 25.3 | 24.2 | 1.6 |
| 90 | 3.0 | 0.7 | 1.5 | 500 | 25.8 | 1.15 | 21.9 | 117.8 | 6.56 | 2.9 | 700 | 26.6 | 1.12 | 22.8 | 105.2 | 6.99 | 2.7 | 500 | 22.6 | 15.9 | 0.70 | 0.95 | 25.8 | 23.8 | 1.8 |
| | 5.0 | 1.6 | 3.7 | 500 | 26.9 | 1.18 | 22.9 | 119.8 | 6.69 | 3.0 | 700 | 27.8 | 1.14 | 24.0 | 106.8 | 7.17 | 2.8 | 500 | 21.7 | 14.5 | 0.67 | 1.00 | 25.1 | 21.8 | 1.8 |
| | 7.0 | 3.0 | 6.9 | 500 | 27.3 | 1.19 | 23.3 | 120.6 | 6.71 | 3.1 | 700 | 28.4 | 1.15 | 24.4 | 107.5 | 7.22 | 2.8 | 500 | 22.2 | 14.6 | 0.66 | 0.92 | 25.3 | 24.2 | 1.6 |
| 100 | 3.0 | 0.6 | 1.5 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 5.0 | 1.6 | 3.6 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 7.0 | 2.9 | 6.6 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| 110 | 3.0 | 0.6 | 1.4 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 5.0 | 1.5 | 3.4 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 7.0 | 2.8 | 6.4 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| 120 | 3.0 | 0.6 | 1.3 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 5.0 | 1.4 | 3.3 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |
| | 7.0 | 2.7 | 6.1 | Operation not recommended | | | | | | | | | | | | | | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB026 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM High Speed (900 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|---------------------------|---------------------------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 4.0 | 1.4 | 3.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 6.0 | 2.9 | 6.6 | Operation not recommended | | | | | | | | | | | | | | |
| | 8.0 | 4.8 | 11.1 | 700 | 16.2 | 1.40 | 11.4 | 91.5 | 3.40 | 2.1 | Operation not recommended | | | | | | | |
| 30 | 4.0 | 1.4 | 3.2 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 18.6 | 1.44 | 13.7 | 94.6 | 3.79 | 2.3 | 700 | 29.8 | 18.6 | 0.62 | 0.93 | 33.0 | 32.1 | --- |
| | 6.0 | 2.8 | 6.4 | 900 | 19.0 | 1.45 | 14.0 | 89.5 | 3.83 | 2.1 | 900 | 30.3 | 20.3 | 0.67 | 0.98 | 33.6 | 31.0 | --- |
| | | | | 700 | 19.0 | 1.45 | 14.0 | 95.1 | 3.83 | 2.3 | 700 | 30.0 | 18.6 | 0.62 | 0.90 | 33.0 | 33.3 | --- |
| | 8.0 | 4.7 | 10.8 | 900 | 19.2 | 1.46 | 14.3 | 89.8 | 3.85 | 2.1 | 900 | 30.7 | 20.3 | 0.66 | 0.95 | 33.9 | 32.5 | --- |
| | | | | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| 40 | 4.0 | 1.3 | 3.1 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 21.6 | 1.50 | 16.5 | 98.6 | 4.24 | 2.5 | 700 | 30.2 | 19.1 | 0.63 | 1.01 | 33.7 | 29.9 | --- |
| | 6.0 | 2.7 | 6.2 | 900 | 22.1 | 1.50 | 16.9 | 92.7 | 4.30 | 2.3 | 900 | 30.8 | 20.8 | 0.68 | 1.06 | 34.4 | 29.1 | --- |
| | | | | 700 | 22.0 | 1.51 | 16.8 | 99.1 | 4.26 | 2.6 | 700 | 30.5 | 19.1 | 0.63 | 0.98 | 33.8 | 31.1 | --- |
| | 8.0 | 4.5 | 10.4 | 900 | 22.4 | 1.51 | 17.3 | 93.1 | 4.34 | 2.4 | 900 | 31.2 | 20.8 | 0.67 | 1.02 | 34.7 | 30.4 | --- |
| | | | | 700 | 23.4 | 1.53 | 18.1 | 100.9 | 4.46 | 2.7 | 700 | 30.0 | 19.3 | 0.64 | 1.18 | 34.0 | 25.5 | 1.3 |
| 50 | 4.0 | 1.3 | 3.0 | 900 | 23.8 | 1.53 | 18.6 | 94.5 | 4.55 | 2.5 | 900 | 30.7 | 21.0 | 0.69 | 1.22 | 34.8 | 25.1 | 1.4 |
| | | | | 700 | 24.5 | 1.57 | 19.2 | 102.5 | 4.59 | 2.8 | 700 | 30.3 | 19.5 | 0.64 | 1.12 | 34.2 | 27.1 | 1.3 |
| | 6.0 | 2.6 | 6.0 | 900 | 25.0 | 1.57 | 19.7 | 95.7 | 4.67 | 2.6 | 900 | 31.0 | 21.3 | 0.69 | 1.16 | 34.9 | 26.6 | 1.4 |
| | | | | 700 | 24.9 | 1.59 | 19.5 | 102.9 | 4.59 | 2.9 | 700 | 30.7 | 19.5 | 0.64 | 1.08 | 34.4 | 28.3 | 1.2 |
| | 8.0 | 4.4 | 10.1 | 900 | 25.5 | 1.58 | 20.1 | 96.2 | 4.73 | 2.7 | 900 | 31.3 | 21.3 | 0.68 | 1.13 | 35.1 | 27.7 | 1.3 |
| | | | | 700 | 26.3 | 1.62 | 20.8 | 104.8 | 4.77 | 3.1 | 700 | 29.7 | 19.2 | 0.65 | 1.28 | 34.0 | 23.2 | 1.6 |
| 60 | 4.0 | 1.2 | 2.9 | 900 | 26.9 | 1.60 | 21.4 | 97.6 | 4.93 | 2.9 | 900 | 30.3 | 20.9 | 0.69 | 1.33 | 34.8 | 22.8 | 1.7 |
| | | | | 700 | 27.5 | 1.65 | 21.9 | 106.4 | 4.89 | 3.2 | 700 | 30.0 | 19.4 | 0.65 | 1.21 | 34.1 | 24.7 | 1.5 |
| | 6.0 | 2.5 | 5.8 | 900 | 28.2 | 1.64 | 22.6 | 99.0 | 5.05 | 2.9 | 900 | 30.6 | 21.1 | 0.69 | 1.26 | 34.9 | 24.3 | 1.6 |
| | | | | 700 | 28.0 | 1.67 | 22.3 | 107.0 | 4.91 | 3.3 | 700 | 30.3 | 19.4 | 0.64 | 1.18 | 34.3 | 25.7 | 1.4 |
| | 8.0 | 4.2 | 9.8 | 900 | 28.7 | 1.65 | 23.1 | 99.5 | 5.10 | 3.0 | 900 | 30.9 | 21.1 | 0.68 | 1.22 | 35.1 | 25.3 | 1.6 |
| | | | | 700 | 29.3 | 1.70 | 23.5 | 108.8 | 5.05 | 3.5 | 700 | 29.3 | 19.1 | 0.65 | 1.42 | 34.2 | 20.6 | 2.0 |
| 70 | 4.0 | 1.2 | 2.8 | 900 | 30.0 | 1.67 | 24.3 | 100.9 | 5.28 | 3.2 | 900 | 29.9 | 20.8 | 0.69 | 1.48 | 34.9 | 20.2 | 2.1 |
| | | | | 700 | 30.6 | 1.73 | 24.7 | 110.5 | 5.17 | 3.6 | 700 | 29.6 | 19.3 | 0.65 | 1.34 | 34.1 | 22.0 | 1.9 |
| | 6.0 | 2.4 | 5.6 | 900 | 31.5 | 1.71 | 25.7 | 102.5 | 5.40 | 3.3 | 900 | 30.2 | 21.0 | 0.69 | 1.40 | 35.0 | 21.6 | 2.0 |
| | | | | 700 | 31.2 | 1.76 | 25.2 | 111.3 | 5.20 | 3.7 | 700 | 29.9 | 19.3 | 0.64 | 1.31 | 34.4 | 22.8 | 1.7 |
| | 8.0 | 4.1 | 9.5 | 900 | 32.0 | 1.72 | 26.1 | 102.9 | 5.44 | 3.4 | 900 | 30.5 | 21.0 | 0.69 | 1.35 | 35.1 | 22.5 | 1.9 |
| | | | | 700 | 32.0 | 1.80 | 25.8 | 112.3 | 5.20 | 3.9 | 700 | 28.2 | 18.8 | 0.67 | 1.57 | 33.5 | 17.9 | 2.5 |
| 80 | 4.0 | 1.2 | 2.7 | 900 | 32.9 | 1.76 | 26.9 | 103.9 | 5.48 | 3.6 | 900 | 28.7 | 20.4 | 0.71 | 1.63 | 34.3 | 17.6 | 2.7 |
| | | | | 700 | 33.4 | 1.84 | 27.1 | 114.2 | 5.31 | 4.0 | 700 | 28.4 | 18.9 | 0.67 | 1.49 | 33.5 | 19.0 | 2.3 |
| | 6.0 | 2.4 | 5.4 | 900 | 34.5 | 1.80 | 28.4 | 105.5 | 5.62 | 3.7 | 900 | 29.0 | 20.6 | 0.71 | 1.54 | 34.3 | 18.9 | 2.5 |
| | | | | 700 | 34.0 | 1.87 | 27.6 | 114.9 | 5.33 | 4.1 | 700 | 28.7 | 18.9 | 0.66 | 1.45 | 33.7 | 19.9 | 2.2 |
| | 8.0 | 4.0 | 9.2 | 900 | 35.1 | 1.82 | 28.9 | 106.1 | 5.66 | 3.8 | 900 | 29.3 | 20.6 | 0.70 | 1.50 | 34.4 | 19.6 | 2.4 |
| | | | | 700 | 34.8 | 1.91 | 28.2 | 116.0 | 5.33 | 4.3 | 700 | 26.7 | 18.1 | 0.68 | 1.74 | 32.6 | 15.3 | 3.1 |
| 90 | 4.0 | 1.1 | 2.6 | 900 | 35.9 | 1.86 | 29.6 | 107.0 | 5.67 | 4.0 | 900 | 27.3 | 19.7 | 0.72 | 1.79 | 33.4 | 15.2 | 3.3 |
| | | | | 700 | 36.3 | 1.96 | 29.6 | 118.0 | 5.43 | 4.5 | 700 | 26.9 | 18.4 | 0.68 | 1.65 | 32.5 | 16.3 | 2.9 |
| | 6.0 | 2.3 | 5.2 | 900 | 37.6 | 1.89 | 31.1 | 108.6 | 5.82 | 4.1 | 900 | 27.5 | 19.9 | 0.72 | 1.69 | 33.3 | 16.3 | 3.2 |
| | | | | 700 | 36.9 | 1.98 | 30.1 | 118.8 | 5.45 | 4.6 | 700 | 27.3 | 18.4 | 0.67 | 1.59 | 32.7 | 17.1 | 2.7 |
| | 8.0 | 3.8 | 8.8 | 900 | 38.3 | 1.91 | 31.7 | 109.4 | 5.86 | 4.3 | 900 | 27.8 | 19.9 | 0.72 | 1.65 | 33.4 | 16.8 | 3.0 |
| | | | | Operation not recommended | | | | | | | | | | | | | | |
| 100 | 4.0 | 1.1 | 2.5 | Operation not recommended | | | | | | | | | | | | | | |
| | 6.0 | 2.2 | 5.1 | 700 | 25.6 | 1.78 | 0.70 | 1.85 | 31.9 | 13.8 | 3.6 | Operation not recommended | | | | | | |
| | 8.0 | 3.7 | 8.5 | 900 | 26.1 | 1.93 | 0.74 | 1.90 | 32.6 | 13.8 | 3.9 | Operation not recommended | | | | | | |
| | | | | 700 | 25.9 | 1.78 | 0.69 | 1.79 | 32.0 | 14.5 | 3.3 | Operation not recommended | | | | | | |
| 110 | 4.0 | 1.0 | 2.4 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 700 | 23.4 | 1.68 | 0.72 | 2.04 | 30.4 | 11.5 | 4.4 | Operation not recommended | | | | | | |
| | 6.0 | 2.1 | 4.9 | 900 | 23.9 | 1.82 | 0.76 | 2.10 | 31.1 | 11.4 | 4.7 | Operation not recommended | | | | | | |
| | | | | 700 | 23.7 | 1.68 | 0.71 | 1.98 | 30.4 | 12.0 | 4.1 | Operation not recommended | | | | | | |
| | 8.0 | 3.5 | 8.2 | 900 | 24.2 | 1.82 | 0.76 | 2.04 | 31.1 | 11.8 | 4.5 | Operation not recommended | | | | | | |
| | | | | Operation not recommended | | | | | | | | | | | | | | |
| 120 | 4.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | | | | |
| | 6.0 | 2.0 | 4.7 | 700 | 21.7 | 1.61 | 0.74 | 2.29 | 29.5 | 9.5 | 5.3 | Operation not recommended | | | | | | |
| | | | | 900 | 22.1 | 1.75 | 0.79 | 2.35 | 30.1 | 9.4 | 5.7 | Operation not recommended | | | | | | |
| | 8.0 | 3.4 | 7.9 | 700 | 21.9 | 1.61 | 0.74 | 2.21 | 29.4 | 9.9 | 4.9 | Operation not recommended | | | | | | |
| 900 | | | | 22.3 | 1.75 | 0.78 | 2.28 | 30.1 | 9.8 | 5.4 | Operation not recommended | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB038 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM Low Speed (1050 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | | | | |
|--------|---------------|---------------------|---------------------------|---------------------------|-----------|----------|-----------|--------|------|------------|---------------------------|-----------|-----------|-----------|----------|-----------|------|------------|--|--|--|
| | | PSI | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h | | | |
| 20 | 4.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 8.0 | 2.9 | 6.7 | 900 | 15.1 | 1.40 | 10.3 | 85.5 | 3.17 | 2.5 | 1050 | 15.7 | 1.43 | 10.8 | 83.9 | 3.22 | 2.3 | | | | |
| 30 | 4.0 | 0.9 | 2.0 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.7 | 3.9 | 900 | 16.8 | 1.38 | 12.1 | 87.3 | 3.56 | 2.4 | 900 | 29.1 | 18.4 | 0.63 | 0.74 | 31.6 | 39.3 | --- | | | |
| | | | | 1050 | 17.5 | 1.42 | 12.6 | 85.4 | 3.61 | 2.2 | 1050 | 29.9 | 20.4 | 0.68 | 0.75 | 32.5 | 39.6 | --- | | | |
| | 8.0 | 2.8 | 6.5 | 900 | 17.9 | 1.42 | 13.0 | 88.4 | 3.69 | 2.5 | 900 | 29.6 | 18.9 | 0.64 | 0.73 | 32.1 | 40.3 | --- | | | |
| | | | 1050 | 18.6 | 1.45 | 13.6 | 86.4 | 3.75 | 2.3 | 1050 | 30.4 | 20.9 | 0.69 | 0.75 | 33.0 | 40.6 | --- | | | | |
| 40 | 4.0 | 0.8 | 1.9 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.6 | 3.8 | 900 | 19.8 | 1.41 | 15.0 | 90.4 | 4.13 | 2.5 | 900 | 30.3 | 19.7 | 0.65 | 0.80 | 33.0 | 37.8 | --- | | | |
| | | | | 1050 | 20.5 | 1.44 | 15.6 | 88.1 | 4.19 | 2.3 | 1050 | 31.1 | 21.8 | 0.70 | 0.82 | 33.9 | 38.1 | --- | | | |
| | 8.0 | 2.7 | 6.3 | 900 | 20.9 | 1.44 | 16.0 | 91.5 | 4.24 | 2.6 | 900 | 30.8 | 20.2 | 0.66 | 0.79 | 33.5 | 38.8 | --- | | | |
| | | | 1050 | 21.6 | 1.47 | 16.6 | 89.1 | 4.31 | 2.4 | 1050 | 31.7 | 22.4 | 0.71 | 0.81 | 34.4 | 39.1 | --- | | | | |
| 50 | 4.0 | 0.8 | 1.9 | 900 | 21.8 | 1.43 | 16.9 | 92.5 | 4.46 | 2.6 | 900 | 31.3 | 21.1 | 0.67 | 0.91 | 34.4 | 34.3 | 1.0 | | | |
| | | | | 1050 | 22.5 | 1.45 | 17.6 | 89.8 | 4.54 | 2.4 | 1050 | 32.2 | 23.4 | 0.73 | 0.93 | 35.3 | 34.6 | 1.1 | | | |
| | 6.0 | 1.6 | 3.7 | 900 | 22.6 | 1.43 | 17.7 | 93.2 | 4.62 | 2.7 | 900 | 31.6 | 21.2 | 0.67 | 0.89 | 34.6 | 35.5 | 0.9 | | | |
| | | | | 1050 | 23.3 | 1.45 | 18.3 | 90.5 | 4.70 | 2.5 | 1050 | 32.5 | 23.5 | 0.72 | 0.91 | 35.6 | 35.8 | 1.0 | | | |
| | 8.0 | 2.6 | 6.1 | 900 | 23.7 | 1.47 | 18.6 | 94.3 | 4.72 | 2.8 | 900 | 32.1 | 21.8 | 0.68 | 0.88 | 35.1 | 36.4 | 0.9 | | | |
| | | | 1050 | 24.4 | 1.49 | 19.3 | 91.5 | 4.81 | 2.5 | 1050 | 33.0 | 24.1 | 0.73 | 0.90 | 36.1 | 36.7 | 1.0 | | | | |
| 60 | 4.0 | 0.8 | 1.8 | 900 | 24.6 | 1.46 | 19.6 | 95.3 | 4.94 | 2.9 | 900 | 30.1 | 20.3 | 0.68 | 1.02 | 33.5 | 29.5 | 1.3 | | | |
| | | | | 1050 | 25.2 | 1.47 | 20.2 | 92.2 | 5.02 | 2.6 | 1050 | 30.9 | 22.5 | 0.73 | 1.04 | 34.4 | 29.7 | 1.4 | | | |
| | 6.0 | 1.5 | 3.6 | 900 | 25.6 | 1.46 | 20.6 | 96.3 | 5.15 | 3.0 | 900 | 30.3 | 20.5 | 0.67 | 0.99 | 33.7 | 30.5 | 1.3 | | | |
| | | | | 1050 | 26.2 | 1.47 | 21.2 | 93.1 | 5.24 | 2.7 | 1050 | 31.2 | 22.6 | 0.73 | 1.01 | 34.6 | 30.8 | 1.4 | | | |
| | 8.0 | 2.5 | 5.9 | 900 | 26.5 | 1.49 | 21.4 | 97.3 | 5.21 | 3.0 | 900 | 30.8 | 21.0 | 0.68 | 0.98 | 34.2 | 31.3 | 1.2 | | | |
| | | | 1050 | 27.1 | 1.50 | 22.0 | 93.9 | 5.30 | 2.8 | 1050 | 31.7 | 23.2 | 0.73 | 1.00 | 35.1 | 31.6 | 1.3 | | | | |
| 70 | 4.0 | 0.8 | 1.8 | 900 | 27.3 | 1.49 | 22.3 | 98.1 | 5.39 | 3.2 | 900 | 29.7 | 20.6 | 0.69 | 1.16 | 33.6 | 25.7 | 1.9 | | | |
| | | | | 1050 | 27.9 | 1.49 | 22.8 | 94.6 | 5.49 | 2.9 | 1050 | 30.5 | 22.8 | 0.75 | 1.18 | 34.5 | 25.9 | 2.0 | | | |
| | 6.0 | 1.5 | 3.5 | 900 | 28.5 | 1.48 | 23.5 | 99.4 | 5.65 | 3.3 | 900 | 29.9 | 20.7 | 0.69 | 1.13 | 33.8 | 26.6 | 1.7 | | | |
| | | | | 1050 | 29.1 | 1.48 | 24.0 | 95.6 | 5.76 | 3.0 | 1050 | 30.8 | 23.0 | 0.75 | 1.15 | 34.7 | 26.8 | 1.9 | | | |
| | 8.0 | 2.5 | 5.7 | 900 | 29.3 | 1.51 | 24.1 | 100.1 | 5.67 | 3.4 | 900 | 30.4 | 21.3 | 0.70 | 1.12 | 34.2 | 27.3 | 1.6 | | | |
| | | | 1050 | 29.8 | 1.51 | 24.6 | 96.3 | 5.78 | 3.1 | 1050 | 31.3 | 23.5 | 0.75 | 1.14 | 35.2 | 27.5 | 1.8 | | | | |
| 80 | 4.0 | 0.7 | 1.7 | 900 | 29.9 | 1.51 | 24.8 | 100.8 | 5.79 | 3.6 | 900 | 28.6 | 20.2 | 0.71 | 1.32 | 33.1 | 21.7 | 2.5 | | | |
| | | | | 1050 | 30.3 | 1.51 | 25.2 | 96.7 | 5.91 | 3.3 | 1050 | 29.4 | 22.4 | 0.76 | 1.34 | 33.9 | 21.9 | 2.7 | | | |
| | 6.0 | 1.4 | 3.3 | 900 | 31.4 | 1.50 | 26.2 | 102.3 | 6.11 | 3.7 | 900 | 28.8 | 20.3 | 0.71 | 1.28 | 33.2 | 22.5 | 2.4 | | | |
| | | | | 1050 | 31.7 | 1.49 | 26.6 | 98.0 | 6.23 | 3.4 | 1050 | 29.6 | 22.5 | 0.76 | 1.31 | 34.1 | 22.7 | 2.6 | | | |
| | 8.0 | 2.4 | 5.5 | 900 | 31.8 | 1.54 | 26.6 | 102.7 | 6.07 | 3.8 | 900 | 29.3 | 20.8 | 0.71 | 1.27 | 33.6 | 23.0 | 2.2 | | | |
| | | | 1050 | 32.1 | 1.52 | 26.9 | 98.3 | 6.19 | 3.5 | 1050 | 30.1 | 23.1 | 0.77 | 1.30 | 34.5 | 23.2 | 2.5 | | | | |
| 90 | 4.0 | 0.7 | 1.6 | 900 | 32.5 | 1.54 | 27.2 | 103.4 | 6.18 | 4.0 | 900 | 26.5 | 18.9 | 0.71 | 1.50 | 31.6 | 17.6 | 3.4 | | | |
| | | | | 1050 | 32.7 | 1.52 | 27.5 | 98.9 | 6.31 | 3.7 | 1050 | 27.2 | 20.9 | 0.77 | 1.53 | 32.4 | 17.8 | 3.6 | | | |
| | 6.0 | 1.4 | 3.2 | 900 | 34.1 | 1.53 | 28.9 | 105.1 | 6.56 | 4.2 | 900 | 26.7 | 19.0 | 0.71 | 1.46 | 31.7 | 18.3 | 3.2 | | | |
| | | | | 1050 | 34.3 | 1.50 | 29.2 | 100.3 | 6.69 | 3.8 | 1050 | 27.4 | 21.0 | 0.77 | 1.49 | 32.5 | 18.4 | 3.4 | | | |
| | 8.0 | 2.3 | 5.3 | 900 | 34.3 | 1.56 | 29.0 | 105.3 | 6.45 | 4.3 | 900 | 27.1 | 19.5 | 0.72 | 1.45 | 32.1 | 18.7 | 2.9 | | | |
| | | | 1050 | 34.4 | 1.53 | 29.2 | 100.4 | 6.59 | 4.0 | 1050 | 27.9 | 21.6 | 0.77 | 1.48 | 32.9 | 18.9 | 3.3 | | | | |
| 100 | 4.0 | 0.7 | 1.6 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.3 | 3.1 | Operation not recommended | | | | | | | 900 | 25.8 | 19.3 | 0.75 | 1.67 | 31.5 | 15.4 | 4.1 | | | |
| | | | | Operation not recommended | | | | | | | 1050 | 26.5 | 21.4 | 0.81 | 1.70 | 32.3 | 15.6 | 4.5 | | | |
| | 8.0 | 2.2 | 5.1 | Operation not recommended | | | | | | | 900 | 26.2 | 19.8 | 0.76 | 1.65 | 31.8 | 15.8 | 3.8 | | | |
| | | | Operation not recommended | | | | | | | 1050 | 26.9 | 21.9 | 0.81 | 1.69 | 32.7 | 16.0 | 4.2 | | | | |
| 110 | 4.0 | 0.7 | 1.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.3 | 3.0 | Operation not recommended | | | | | | | 900 | 23.1 | 18.1 | 0.79 | 1.90 | 29.6 | 12.2 | 5.2 | | | |
| | | | | Operation not recommended | | | | | | | 1050 | 23.7 | 20.1 | 0.85 | 1.93 | 30.3 | 12.3 | 5.7 | | | |
| | 8.0 | 2.1 | 4.9 | Operation not recommended | | | | | | | 900 | 23.5 | 18.6 | 0.79 | 1.88 | 29.9 | 12.5 | 4.8 | | | |
| | | | Operation not recommended | | | | | | | 1050 | 24.1 | 20.6 | 0.85 | 1.92 | 30.7 | 12.6 | 5.4 | | | | |
| 120 | 4.0 | 0.6 | 1.5 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | | | | |
| | 6.0 | 1.2 | 2.9 | Operation not recommended | | | | | | | 900 | 21.9 | 18.0 | 0.82 | 2.15 | 29.2 | 10.2 | 6.5 | | | |
| | | | | Operation not recommended | | | | | | | 1050 | 22.5 | 19.9 | 0.88 | 2.20 | 30.0 | 10.2 | 7.0 | | | |
| | 8.0 | 2.0 | 4.7 | Operation not recommended | | | | | | | 900 | 22.2 | 18.4 | 0.83 | 2.13 | 29.5 | 10.4 | 6.0 | | | |
| | | | Operation not recommended | | | | | | | 1050 | 22.9 | 20.4 | 0.89 | 2.18 | 30.3 | 10.5 | 6.7 | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB038 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM High Speed (1250 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|---------------------------|---------------------------|-----------|----------|-----------|--------|------|------------|------------------------|-----------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 5.0 | 1.3 | 3.0 | Operation not recommended | | | | | | | | | | | | | | |
| | 7.0 | 2.3 | 5.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 9.0 | 3.5 | 8.1 | 1050 | 21.6 | 1.90 | 15.1 | 89.0 | 3.34 | 2.9 | 1250 | 22.3 | 1.95 | 15.6 | 86.5 | 3.34 | 2.6 | |
| 30 | 5.0 | 1.2 | 2.9 | Operation not recommended | | | | | | | | | | | | | | |
| | 7.0 | 2.2 | 5.1 | 1050 | 24.9 | 1.93 | 18.3 | 91.9 | 3.77 | 3.1 | 1050 | 37.9 | 22.5 | 0.59 | 1.41 | 42.8 | 27.0 | --- |
| | 9.0 | 3.4 | 7.9 | 1250 | 25.6 | 1.99 | 18.8 | 88.9 | 3.77 | 2.8 | 1250 | 40.1 | 25.1 | 0.63 | 1.49 | 45.2 | 26.9 | --- |
| | | | | 1050 | 25.3 | 1.95 | 18.6 | 92.3 | 3.80 | 3.2 | 1050 | 38.2 | 24.8 | 0.65 | 1.37 | 42.9 | 28.0 | --- |
| 1250 | 26.1 | 2.01 | 19.2 | 89.3 | 3.80 | 2.9 | 1250 | 40.5 | 27.5 | 0.68 | 1.46 | 45.5 | 27.8 | --- | | | | |
| 40 | 5.0 | 1.2 | 2.8 | Operation not recommended | | | | | | | | | | | | | | |
| | 7.0 | 2.1 | 4.9 | 1050 | 29.0 | 2.05 | 22.0 | 95.6 | 4.16 | 3.4 | 1050 | 39.4 | 24.1 | 0.61 | 1.55 | 44.7 | 25.4 | --- |
| | 9.0 | 3.3 | 7.6 | 1250 | 29.9 | 2.09 | 22.8 | 92.2 | 4.19 | 3.1 | 1250 | 41.5 | 26.8 | 0.65 | 1.64 | 47.1 | 25.4 | --- |
| | | | | 1050 | 29.6 | 2.07 | 22.5 | 96.1 | 4.20 | 3.5 | 1050 | 39.7 | 26.1 | 0.66 | 1.51 | 44.9 | 26.3 | --- |
| | | | | 1250 | 30.5 | 2.11 | 23.3 | 92.6 | 4.24 | 3.2 | 1250 | 42.0 | 29.0 | 0.69 | 1.60 | 47.4 | 26.2 | --- |
| 5.0 | 1.2 | 2.7 | 1050 | 31.4 | 2.10 | 24.3 | 97.7 | 4.39 | 3.7 | 1050 | 39.6 | 25.1 | 0.63 | 1.84 | 45.9 | 21.5 | 1.9 | |
| 50 | 7.0 | 2.1 | 4.8 | 1250 | 32.4 | 2.13 | 25.1 | 94.0 | 4.46 | 3.4 | 1250 | 41.7 | 27.9 | 0.67 | 1.94 | 48.3 | 21.5 | 2.0 |
| | | | | 1050 | 32.6 | 2.15 | 25.3 | 98.7 | 4.45 | 3.8 | 1050 | 40.5 | 25.4 | 0.63 | 1.74 | 46.4 | 23.3 | 1.8 |
| | 9.0 | 3.2 | 7.4 | 1250 | 33.6 | 2.17 | 26.2 | 94.9 | 4.53 | 3.5 | 1250 | 42.6 | 28.2 | 0.66 | 1.82 | 48.8 | 23.4 | 1.9 |
| | | | | 1050 | 33.3 | 2.17 | 25.9 | 99.4 | 4.51 | 3.9 | 1050 | 40.9 | 27.1 | 0.66 | 1.69 | 46.7 | 24.1 | 1.7 |
| | | | | 1250 | 34.4 | 2.19 | 26.9 | 95.5 | 4.59 | 3.6 | 1250 | 43.1 | 30.1 | 0.70 | 1.78 | 49.1 | 24.2 | 1.8 |
| 5.0 | 1.1 | 2.6 | 1050 | 34.7 | 2.20 | 27.2 | 100.6 | 4.62 | 4.2 | 1050 | 39.2 | 25.7 | 0.66 | 1.96 | 45.9 | 20.0 | 2.3 | |
| 60 | 7.0 | 2.0 | 4.6 | 1250 | 35.8 | 2.22 | 28.2 | 96.5 | 4.73 | 3.8 | 1250 | 41.1 | 28.6 | 0.70 | 2.05 | 48.1 | 20.1 | 2.4 |
| | | | | 1050 | 36.2 | 2.26 | 28.5 | 102.0 | 4.69 | 4.3 | 1050 | 40.2 | 26.0 | 0.65 | 1.87 | 46.5 | 21.5 | 2.2 |
| | 9.0 | 3.1 | 7.2 | 1250 | 37.4 | 2.28 | 29.6 | 97.7 | 4.81 | 4.0 | 1250 | 42.1 | 28.9 | 0.69 | 1.94 | 48.7 | 21.6 | 2.3 |
| | | | | 1050 | 37.1 | 2.29 | 29.3 | 102.7 | 4.76 | 4.4 | 1050 | 40.5 | 27.4 | 0.68 | 1.82 | 46.8 | 22.3 | 2.0 |
| | | | | 1250 | 38.3 | 2.30 | 30.5 | 98.4 | 4.89 | 4.1 | 1250 | 42.5 | 30.4 | 0.71 | 1.90 | 49.0 | 22.4 | 2.2 |
| 5.0 | 1.1 | 2.5 | 1050 | 38.0 | 2.32 | 30.1 | 103.5 | 4.80 | 4.7 | 1050 | 39.2 | 26.6 | 0.68 | 2.15 | 46.5 | 18.2 | 2.9 | |
| 70 | 7.0 | 1.9 | 4.5 | 1250 | 39.3 | 2.32 | 31.4 | 99.1 | 4.96 | 4.3 | 1250 | 40.9 | 29.6 | 0.72 | 2.24 | 48.5 | 18.3 | 3.0 |
| | | | | 1050 | 39.9 | 2.40 | 31.8 | 105.2 | 4.88 | 4.8 | 1050 | 40.2 | 26.9 | 0.67 | 2.06 | 47.2 | 19.5 | 2.7 |
| | 9.0 | 3.0 | 6.9 | 1250 | 41.2 | 2.40 | 33.1 | 100.6 | 5.04 | 4.4 | 1250 | 41.9 | 29.8 | 0.71 | 2.13 | 49.2 | 19.6 | 2.9 |
| | | | | 1050 | 41.0 | 2.43 | 32.7 | 106.1 | 4.95 | 5.0 | 1050 | 40.6 | 28.0 | 0.69 | 2.01 | 47.5 | 20.2 | 2.5 |
| | | | | 1250 | 42.4 | 2.42 | 34.1 | 101.4 | 5.14 | 4.6 | 1250 | 42.4 | 31.0 | 0.73 | 2.09 | 49.6 | 20.3 | 2.8 |
| 5.0 | 1.1 | 2.5 | 1050 | 40.4 | 2.41 | 32.2 | 105.6 | 4.90 | 5.2 | 1050 | 37.8 | 26.2 | 0.69 | 2.34 | 45.8 | 16.1 | 3.6 | |
| 80 | 7.0 | 1.9 | 4.3 | 1250 | 41.8 | 2.40 | 33.7 | 101.0 | 5.12 | 4.8 | 1250 | 39.3 | 29.2 | 0.74 | 2.42 | 47.5 | 16.3 | 3.8 |
| | | | | 1050 | 42.7 | 2.51 | 34.2 | 107.7 | 4.99 | 5.4 | 1050 | 38.8 | 26.6 | 0.68 | 2.26 | 46.6 | 17.2 | 3.3 |
| | 9.0 | 2.9 | 6.7 | 1250 | 44.2 | 2.49 | 35.7 | 102.7 | 5.21 | 5.0 | 1250 | 40.4 | 29.4 | 0.73 | 2.33 | 48.3 | 17.4 | 3.6 |
| | | | | 1050 | 44.0 | 2.54 | 35.3 | 108.8 | 5.07 | 5.6 | 1050 | 39.3 | 27.2 | 0.69 | 2.21 | 46.8 | 17.7 | 3.1 |
| | | | | 1250 | 45.5 | 2.51 | 36.9 | 103.7 | 5.32 | 5.1 | 1250 | 40.9 | 30.1 | 0.74 | 2.28 | 48.7 | 17.9 | 3.4 |
| 5.0 | 1.0 | 2.4 | 1050 | 42.9 | 2.52 | 34.3 | 107.8 | 4.98 | 5.9 | 1050 | 35.7 | 25.5 | 0.71 | 2.53 | 44.3 | 14.1 | 4.4 | |
| 90 | 7.0 | 1.8 | 4.2 | 1250 | 44.4 | 2.49 | 35.9 | 102.9 | 5.24 | 5.4 | 1250 | 37.0 | 28.4 | 0.77 | 2.59 | 45.8 | 14.3 | 4.7 |
| | | | | 1050 | 45.6 | 2.64 | 36.6 | 110.2 | 5.06 | 6.0 | 1050 | 36.8 | 25.9 | 0.70 | 2.46 | 45.1 | 15.0 | 4.1 |
| | 9.0 | 2.8 | 6.5 | 1250 | 47.2 | 2.59 | 38.4 | 105.0 | 5.34 | 5.6 | 1250 | 38.1 | 28.7 | 0.75 | 2.52 | 46.7 | 15.1 | 4.5 |
| | | | | 1050 | 47.0 | 2.68 | 37.9 | 111.5 | 5.15 | 6.2 | 1050 | 37.2 | 26.1 | 0.70 | 2.42 | 45.4 | 15.4 | 3.9 |
| | | | | 1250 | 48.6 | 2.61 | 39.7 | 106.0 | 5.46 | 5.8 | 1250 | 38.6 | 28.9 | 0.75 | 2.47 | 47.0 | 15.6 | 4.3 |
| 5.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | | | | | |
| 100 | 7.0 | 1.7 | 4.0 | 1050 | 35.4 | 25.6 | 0.72 | 2.74 | 44.8 | 12.9 | 5.1 | | | | | | | |
| | | | | 1250 | 36.6 | 28.4 | 0.78 | 2.78 | 46.1 | 13.1 | 5.5 | | | | | | | |
| | 9.0 | 2.7 | 6.2 | 1050 | 35.8 | 25.6 | 0.71 | 2.69 | 45.0 | 13.3 | 4.8 | | | | | | | |
| | | | | 1250 | 37.0 | 28.3 | 0.76 | 2.74 | 46.3 | 13.5 | 5.3 | | | | | | | |
| 5.0 | 1.0 | 2.2 | Operation not recommended | | | | | | | | | | | | | | | |
| 110 | 7.0 | 1.7 | 3.9 | Operation not recommended | | | | | | | 1050 | 32.4 | 24.1 | 0.74 | 2.99 | 42.6 | 10.8 | 6.2 |
| | | | | 1250 | 33.3 | 26.7 | 0.80 | 3.01 | 43.6 | 11.0 | 6.8 | | | | | | | |
| | 9.0 | 2.6 | 6.0 | Operation not recommended | | | | | | | 1050 | 32.7 | 23.7 | 0.73 | 2.94 | 42.8 | 11.1 | 5.8 |
| 1250 | | | | 33.6 | 26.2 | 0.78 | 2.97 | 43.8 | 11.3 | 6.4 | | | | | | | | |
| 120 | 7.0 | 1.6 | 3.7 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 1050 | 30.5 | 23.6 | 0.77 | 3.34 | 41.9 | 9.1 | 7.5 | | | | | | | |
| | 9.0 | 2.5 | 5.8 | 1250 | 31.2 | 26.2 | 0.84 | 3.34 | 42.6 | 9.3 | 8.1 | | | | | | | |
| | | | | 1050 | 30.8 | 23.0 | 0.75 | 3.29 | 42.0 | 9.4 | 7.0 | | | | | | | |
| 1250 | 31.5 | 25.3 | 0.81 | 3.30 | 42.7 | 9.5 | 7.7 | | | | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB049 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM Low Speed (1350 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|---------------------------|---------------------------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 5.0 | 0.9 | 2.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 8.0 | 2.0 | 4.6 | Operation not recommended | | | | | | | | | | | | | | |
| | 11.0 | 3.4 | 7.8 | 1150 | 22.1 | 2.23 | 14.4 | 87.8 | 2.90 | 4.2 | Operation not recommended | | | | | | | |
| | | | | 1350 | 22.9 | 2.26 | 15.1 | 85.7 | 2.96 | 3.8 | | | | | | | | |
| 30 | 5.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | | | | |
| | 8.0 | 1.9 | 4.4 | 1150 | 25.4 | 2.28 | 17.7 | 90.5 | 3.27 | 4.3 | 1150 | 37.5 | 20.0 | 0.53 | 1.13 | 41.4 | 33.3 | --- |
| | | | | 1350 | 26.2 | 2.29 | 18.4 | 88.0 | 3.35 | 3.9 | 1350 | 38.8 | 23.6 | 0.61 | 1.20 | 42.9 | 32.4 | --- |
| | 11.0 | 3.3 | 7.6 | 1150 | 26.1 | 2.29 | 18.2 | 91.0 | 3.33 | 4.4 | 1150 | 37.6 | 19.9 | 0.53 | 1.05 | 41.2 | 35.7 | --- |
| | | | | 1350 | 27.0 | 2.32 | 19.1 | 88.5 | 3.40 | 4.0 | 1350 | 38.6 | 23.5 | 0.61 | 1.12 | 42.4 | 34.5 | --- |
| 40 | 5.0 | 0.9 | 2.0 | Operation not recommended | | | | | | | | | | | | | | |
| | 8.0 | 1.9 | 4.3 | 1150 | 29.2 | 2.36 | 21.1 | 93.5 | 3.63 | 4.5 | 1150 | 39.6 | 21.8 | 0.55 | 1.24 | 43.9 | 31.9 | --- |
| | | | | 1350 | 30.2 | 2.36 | 22.2 | 90.7 | 3.76 | 4.2 | 1350 | 40.9 | 25.7 | 0.63 | 1.31 | 45.4 | 31.3 | --- |
| | 11.0 | 3.2 | 7.4 | 1150 | 30.1 | 2.37 | 22.0 | 94.3 | 3.72 | 4.7 | 1150 | 39.8 | 21.8 | 0.55 | 1.17 | 43.8 | 34.1 | --- |
| | | | | 1350 | 31.2 | 2.39 | 23.0 | 91.4 | 3.82 | 4.2 | 1350 | 40.9 | 25.7 | 0.63 | 1.23 | 45.1 | 33.3 | --- |
| 50 | 5.0 | 0.9 | 2.0 | 1150 | 30.2 | 2.35 | 22.2 | 94.3 | 3.77 | 4.8 | 1150 | 40.4 | 23.3 | 0.58 | 1.60 | 45.9 | 25.2 | 1.6 |
| | | | | 1350 | 31.2 | 2.35 | 23.2 | 91.4 | 3.89 | 4.4 | 1350 | 41.7 | 27.5 | 0.66 | 1.67 | 47.4 | 24.9 | 1.7 |
| | 8.0 | 1.8 | 4.2 | 1150 | 32.6 | 2.43 | 24.3 | 96.2 | 3.93 | 4.9 | 1150 | 41.3 | 23.4 | 0.57 | 1.39 | 46.0 | 29.8 | 1.5 |
| | | | | 1350 | 33.8 | 2.41 | 25.6 | 93.2 | 4.11 | 4.5 | 1350 | 42.5 | 27.6 | 0.65 | 1.45 | 47.5 | 29.2 | 1.6 |
| | 11.0 | 3.1 | 7.2 | 1150 | 33.8 | 2.44 | 25.5 | 97.2 | 4.06 | 5.1 | 1150 | 41.5 | 23.4 | 0.56 | 1.31 | 46.0 | 31.8 | 1.4 |
| | | | 1350 | 34.9 | 2.44 | 26.6 | 94.0 | 4.19 | 4.6 | 1350 | 42.8 | 27.6 | 0.65 | 1.37 | 47.5 | 31.1 | 1.5 | |
| 60 | 5.0 | 0.8 | 1.9 | 1150 | 33.0 | 2.44 | 24.7 | 96.6 | 3.97 | 5.2 | 1150 | 40.2 | 23.3 | 0.58 | 1.73 | 46.1 | 23.3 | 2.3 |
| | | | | 1350 | 34.2 | 2.43 | 25.9 | 93.5 | 4.14 | 4.8 | 1350 | 41.5 | 27.4 | 0.66 | 1.80 | 47.6 | 23.0 | 2.4 |
| | 8.0 | 1.8 | 4.0 | 1150 | 35.7 | 2.50 | 27.2 | 98.8 | 4.19 | 5.4 | 1150 | 40.9 | 23.5 | 0.57 | 1.53 | 46.1 | 26.7 | 2.1 |
| | | | | 1350 | 37.1 | 2.47 | 28.7 | 95.5 | 4.40 | 5.0 | 1350 | 42.1 | 27.6 | 0.66 | 1.60 | 47.6 | 26.3 | 2.3 |
| | 11.0 | 3.0 | 6.9 | 1150 | 37.3 | 2.52 | 28.7 | 100.0 | 4.33 | 5.5 | 1150 | 41.3 | 23.5 | 0.57 | 1.46 | 46.3 | 28.4 | 1.9 |
| | | | 1350 | 38.6 | 2.49 | 30.1 | 96.5 | 4.54 | 5.1 | 1350 | 42.6 | 27.7 | 0.65 | 1.52 | 47.8 | 28.0 | 2.2 | |
| 70 | 5.0 | 0.8 | 1.8 | 1150 | 35.7 | 2.53 | 27.1 | 98.8 | 4.14 | 5.8 | 1150 | 40.4 | 24.5 | 0.61 | 1.90 | 46.9 | 21.3 | 3.2 |
| | | | | 1350 | 37.1 | 2.50 | 28.6 | 95.5 | 4.36 | 5.4 | 1350 | 41.7 | 28.8 | 0.69 | 1.99 | 48.5 | 20.9 | 3.4 |
| | 8.0 | 1.7 | 3.9 | 1150 | 38.8 | 2.57 | 30.0 | 101.2 | 4.42 | 6.0 | 1150 | 40.8 | 24.7 | 0.61 | 1.72 | 46.7 | 23.7 | 3.0 |
| | | | | 1350 | 40.3 | 2.53 | 31.7 | 97.6 | 4.67 | 5.5 | 1350 | 42.1 | 29.1 | 0.69 | 1.80 | 48.3 | 23.4 | 3.2 |
| | 11.0 | 2.9 | 6.7 | 1150 | 40.5 | 2.60 | 31.7 | 102.6 | 4.57 | 6.1 | 1150 | 41.6 | 24.8 | 0.60 | 1.65 | 47.2 | 25.2 | 2.8 |
| | | | 1350 | 42.1 | 2.54 | 33.4 | 98.8 | 4.85 | 5.7 | 1350 | 42.8 | 29.2 | 0.68 | 1.71 | 48.7 | 25.0 | 3.1 | |
| 80 | 5.0 | 0.8 | 1.8 | 1150 | 37.9 | 2.59 | 29.1 | 100.5 | 4.30 | 6.5 | 1150 | 39.2 | 23.4 | 0.60 | 2.07 | 46.2 | 18.9 | 4.4 |
| | | | | 1350 | 39.4 | 2.54 | 30.7 | 97.0 | 4.54 | 6.0 | 1350 | 40.4 | 27.5 | 0.68 | 2.16 | 47.8 | 18.7 | 4.6 |
| | 8.0 | 1.6 | 3.8 | 1150 | 41.2 | 2.62 | 32.3 | 103.2 | 4.61 | 6.7 | 1150 | 39.4 | 23.7 | 0.60 | 1.93 | 45.9 | 20.4 | 4.1 |
| | | | | 1350 | 42.9 | 2.55 | 34.2 | 99.4 | 4.92 | 6.1 | 1350 | 40.5 | 27.9 | 0.69 | 2.00 | 47.4 | 20.2 | 4.4 |
| | 11.0 | 2.8 | 6.5 | 1150 | 43.3 | 2.65 | 34.3 | 104.9 | 4.80 | 6.9 | 1150 | 40.2 | 23.9 | 0.59 | 1.84 | 46.5 | 21.8 | 3.8 |
| | | | 1350 | 45.0 | 2.57 | 36.2 | 100.9 | 5.13 | 6.3 | 1350 | 41.5 | 28.1 | 0.68 | 1.92 | 48.0 | 21.6 | 4.2 | |
| 90 | 5.0 | 0.7 | 1.7 | 1150 | 40.0 | 2.64 | 31.0 | 102.2 | 4.43 | 7.2 | 1150 | 36.9 | 21.6 | 0.58 | 2.27 | 44.7 | 16.3 | 5.9 |
| | | | | 1350 | 41.6 | 2.59 | 32.7 | 98.5 | 4.71 | 6.7 | 1350 | 38.1 | 25.4 | 0.67 | 2.36 | 46.2 | 16.1 | 6.2 |
| | 8.0 | 1.6 | 3.6 | 1150 | 43.5 | 2.66 | 34.4 | 105.0 | 4.79 | 7.4 | 1150 | 36.9 | 21.8 | 0.59 | 2.15 | 44.3 | 17.2 | 5.5 |
| | | | | 1350 | 45.3 | 2.57 | 36.5 | 101.1 | 5.16 | 6.9 | 1350 | 38.0 | 25.7 | 0.68 | 2.23 | 45.6 | 17.0 | 5.9 |
| | 11.0 | 2.7 | 6.2 | 1150 | 45.9 | 2.69 | 36.7 | 107.0 | 5.00 | 7.7 | 1150 | 38.0 | 22.1 | 0.58 | 2.06 | 45.0 | 18.4 | 5.1 |
| | | | 1350 | 47.8 | 2.60 | 38.9 | 102.8 | 5.39 | 7.1 | 1350 | 39.1 | 26.0 | 0.66 | 2.15 | 46.5 | 18.2 | 5.6 | |
| 100 | 5.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | | | | |
| | 8.0 | 1.5 | 3.5 | Operation not recommended | | | | | | | | | | | | | | |
| | 11.0 | 2.6 | 6.0 | 1150 | 35.2 | 22.5 | 0.64 | 2.42 | 43.5 | 14.6 | 7.1 | Operation not recommended | | | | | | |
| | | | | 1350 | 36.3 | 26.5 | 0.73 | 2.51 | 44.9 | 14.4 | 7.7 | | | | | | | |
| 110 | 5.0 | 0.7 | 1.6 | Operation not recommended | | | | | | | | | | | | | | |
| | 8.0 | 1.5 | 3.4 | Operation not recommended | | | | | | | | | | | | | | |
| | 11.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 1150 | 31.6 | 21.2 | 0.67 | 2.69 | 40.8 | 11.7 | 9.0 | Operation not recommended | | | | | | |
| | | | | 1350 | 32.6 | 24.9 | 0.76 | 2.80 | 42.2 | 11.6 | 9.8 | | | | | | | |
| 120 | 5.0 | 0.7 | 1.5 | Operation not recommended | | | | | | | | | | | | | | |
| | 8.0 | 1.4 | 3.3 | Operation not recommended | | | | | | | | | | | | | | |
| | 11.0 | 2.4 | 5.6 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 1150 | 29.1 | 20.6 | 0.71 | 3.01 | 39.4 | 9.7 | 11.2 | Operation not recommended | | | | | | |
| | | | | 1350 | 30.1 | 24.2 | 0.80 | 3.14 | 40.8 | 9.6 | 12.1 | | | | | | | |
| | | | 1150 | 30.8 | 21.0 | 0.68 | 2.92 | 40.8 | 10.6 | 10.4 | Operation not recommended | | | | | | | |
| | | | 1350 | 31.6 | 24.7 | 0.78 | 3.06 | 42.0 | 10.3 | 11.5 | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB049 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM High Speed (1550 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|---------------------------|---------------------------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 6.0 | 1.3 | 3.0 | Operation not recommended | | | | | | | | | | | | | | |
| | 9.0 | 2.5 | 5.7 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 4.0 | 9.2 | 1350 | 30.7 | 2.72 | 21.4 | 91.1 | 3.31 | 5.3 | Operation not recommended | | | | | | | |
| 30 | 6.0 | 1.2 | 2.9 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 1350 | 35.1 | 2.84 | 25.3 | 94.0 | 3.61 | 5.2 | 1350 | 49.6 | 27.8 | 0.56 | 1.79 | 55.7 | 27.6 | --- |
| | 9.0 | 2.4 | 5.5 | 1550 | 36.1 | 2.94 | 26.1 | 91.6 | 3.61 | 5.2 | 1550 | 52.6 | 30.9 | 0.59 | 1.91 | 59.1 | 27.5 | --- |
| | | | | 1350 | 35.6 | 2.88 | 25.8 | 94.4 | 3.63 | 5.8 | 1350 | 50.1 | 27.8 | 0.55 | 1.71 | 56.0 | 29.4 | --- |
| | | | | 1550 | 36.8 | 2.97 | 26.7 | 92.0 | 3.63 | 5.3 | 1550 | 53.0 | 30.8 | 0.58 | 1.83 | 59.3 | 29.1 | --- |
| 40 | 6.0 | 1.2 | 2.8 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | | | | 1350 | 40.0 | 2.97 | 29.8 | 97.4 | 3.94 | 6.2 | 1350 | 51.5 | 29.4 | 0.57 | 1.98 | 58.2 | 25.9 | --- |
| | 9.0 | 2.3 | 5.3 | 1550 | 41.1 | 3.04 | 30.8 | 94.6 | 3.97 | 5.7 | 1550 | 54.4 | 32.7 | 0.60 | 2.10 | 61.6 | 25.9 | --- |
| | | | | 1350 | 40.7 | 3.01 | 30.4 | 97.9 | 3.97 | 6.4 | 1350 | 52.0 | 29.4 | 0.57 | 1.90 | 58.5 | 27.4 | --- |
| | | | | 1550 | 42.0 | 3.07 | 31.5 | 95.1 | 4.01 | 5.8 | 1550 | 54.9 | 32.7 | 0.60 | 2.01 | 61.8 | 27.2 | --- |
| 50 | 6.0 | 1.2 | 2.7 | 1350 | 42.8 | 3.08 | 32.3 | 99.3 | 4.07 | 6.7 | 1350 | 52.1 | 30.2 | 0.58 | 2.37 | 60.2 | 22.0 | 3.0 |
| | | | | 1550 | 44.1 | 3.12 | 33.5 | 96.4 | 4.15 | 6.2 | 1550 | 54.8 | 33.5 | 0.61 | 2.50 | 63.4 | 22.0 | 3.2 |
| | 9.0 | 2.2 | 5.2 | 1350 | 44.4 | 3.14 | 33.7 | 100.5 | 4.15 | 6.9 | 1350 | 52.7 | 30.6 | 0.58 | 2.22 | 60.3 | 23.8 | 2.8 |
| | | | | 1550 | 45.7 | 3.18 | 34.8 | 97.3 | 4.21 | 6.4 | 1550 | 55.5 | 34.0 | 0.61 | 2.33 | 63.5 | 23.8 | 3.0 |
| | | | | 1350 | 45.3 | 3.18 | 34.5 | 101.1 | 4.18 | 7.2 | 1350 | 53.3 | 30.7 | 0.58 | 2.13 | 60.6 | 25.0 | 2.6 |
| | 12.0 | 3.6 | 8.4 | 1550 | 46.8 | 3.21 | 35.8 | 98.0 | 4.27 | 6.5 | 1550 | 56.0 | 34.1 | 0.61 | 2.25 | 63.7 | 24.9 | 2.9 |
| | | | | 1350 | 46.7 | 3.20 | 35.7 | 102.0 | 4.27 | 7.6 | 1350 | 51.5 | 30.5 | 0.59 | 2.51 | 60.1 | 20.5 | 3.7 |
| 60 | 6.0 | 1.1 | 2.6 | 1550 | 48.1 | 3.22 | 37.2 | 98.8 | 4.38 | 7.0 | 1550 | 54.0 | 33.8 | 0.63 | 2.63 | 63.0 | 20.6 | 3.9 |
| | | | | 1350 | 48.8 | 3.28 | 37.6 | 103.4 | 4.35 | 7.8 | 1350 | 52.3 | 30.9 | 0.59 | 2.38 | 60.4 | 22.0 | 3.4 |
| | 9.0 | 2.2 | 5.0 | 1550 | 50.2 | 3.30 | 39.0 | 100.0 | 4.46 | 7.2 | 1550 | 54.9 | 34.3 | 0.62 | 2.48 | 63.4 | 22.2 | 3.7 |
| | | | | 1350 | 49.9 | 3.33 | 38.6 | 104.2 | 4.40 | 8.0 | 1350 | 52.9 | 31.0 | 0.59 | 2.30 | 60.7 | 23.0 | 3.2 |
| | | | | 1550 | 51.5 | 3.34 | 40.1 | 100.8 | 4.53 | 7.4 | 1550 | 55.5 | 34.5 | 0.62 | 2.40 | 63.6 | 23.1 | 3.5 |
| 70 | 6.0 | 1.1 | 2.5 | 1350 | 50.5 | 3.32 | 39.2 | 104.6 | 4.46 | 8.5 | 1350 | 51.2 | 31.0 | 0.61 | 2.75 | 60.6 | 18.6 | 4.6 |
| | | | | 1550 | 52.1 | 3.31 | 40.8 | 101.1 | 4.61 | 7.9 | 1550 | 53.5 | 34.5 | 0.64 | 2.85 | 63.2 | 18.8 | 4.9 |
| | 9.0 | 2.1 | 4.9 | 1350 | 53.0 | 3.42 | 41.3 | 106.3 | 4.54 | 8.8 | 1350 | 52.3 | 31.4 | 0.60 | 2.62 | 61.2 | 20.0 | 4.3 |
| | | | | 1550 | 54.6 | 3.41 | 43.0 | 102.6 | 4.70 | 8.1 | 1550 | 54.6 | 34.8 | 0.64 | 2.72 | 63.9 | 20.1 | 4.6 |
| | | | | 1350 | 54.4 | 3.46 | 42.6 | 107.3 | 4.60 | 9.0 | 1350 | 52.8 | 31.6 | 0.60 | 2.54 | 61.5 | 20.8 | 4.0 |
| 12.0 | 3.4 | 7.9 | 1550 | 56.1 | 3.45 | 44.4 | 103.5 | 4.77 | 8.3 | 1550 | 55.2 | 35.1 | 0.64 | 2.64 | 64.3 | 20.9 | 4.4 | |
| 80 | 6.0 | 1.1 | 2.5 | 1350 | 53.6 | 3.49 | 41.7 | 106.7 | 4.50 | 9.6 | 1350 | 49.0 | 30.3 | 0.62 | 2.98 | 59.2 | 16.5 | 5.8 |
| | | | | 1550 | 55.3 | 3.45 | 43.5 | 103.0 | 4.70 | 8.8 | 1550 | 51.1 | 33.7 | 0.66 | 3.06 | 61.5 | 16.7 | 6.2 |
| | 9.0 | 2.0 | 4.7 | 1350 | 56.6 | 3.62 | 44.2 | 108.8 | 4.58 | 9.8 | 1350 | 50.3 | 30.7 | 0.61 | 2.87 | 60.1 | 17.6 | 5.4 |
| | | | | 1550 | 58.4 | 3.57 | 46.2 | 104.9 | 4.79 | 9.1 | 1550 | 52.4 | 34.0 | 0.65 | 2.95 | 62.4 | 17.8 | 5.9 |
| | | | | 1350 | 58.2 | 3.66 | 45.7 | 109.9 | 4.66 | 10.1 | 1350 | 50.8 | 30.9 | 0.61 | 2.80 | 60.4 | 18.2 | 5.0 |
| 12.0 | 3.3 | 7.6 | 1550 | 60.1 | 3.62 | 47.8 | 105.9 | 4.87 | 9.4 | 1550 | 52.9 | 34.3 | 0.65 | 2.88 | 62.7 | 18.4 | 5.6 | |
| 90 | 6.0 | 1.0 | 2.4 | 1350 | 56.5 | 3.66 | 44.1 | 108.8 | 4.53 | 10.7 | 1350 | 46.1 | 29.1 | 0.63 | 3.20 | 57.0 | 14.4 | 7.3 |
| | | | | 1550 | 58.5 | 3.58 | 46.2 | 104.9 | 4.78 | 9.9 | 1550 | 47.8 | 32.3 | 0.68 | 3.27 | 59.0 | 14.6 | 7.7 |
| | 9.0 | 2.0 | 4.5 | 1350 | 60.0 | 3.81 | 47.0 | 111.2 | 4.62 | 11.1 | 1350 | 47.5 | 29.4 | 0.62 | 3.11 | 58.1 | 15.3 | 6.8 |
| | | | | 1550 | 62.0 | 3.73 | 49.3 | 107.1 | 4.88 | 10.2 | 1550 | 49.3 | 32.6 | 0.66 | 3.17 | 60.1 | 15.5 | 7.4 |
| | | | | 1350 | 61.9 | 3.85 | 48.8 | 112.4 | 4.72 | 11.4 | 1350 | 48.0 | 29.7 | 0.62 | 3.05 | 58.4 | 15.8 | 6.3 |
| 12.0 | 3.2 | 7.3 | 1550 | 64.0 | 3.77 | 51.1 | 108.2 | 4.97 | 10.6 | 1550 | 49.7 | 33.0 | 0.66 | 3.11 | 60.3 | 16.0 | 7.0 | |
| 100 | 6.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | | | | |
| | 9.0 | 1.9 | 4.4 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 3.1 | 7.1 | 1350 | 45.3 | 28.8 | 0.64 | 3.45 | 57.1 | 13.1 | 8.4 | Operation not recommended | | | | | | |
| | | | | 1550 | 46.8 | 31.9 | 0.68 | 3.50 | 58.8 | 13.4 | 9.2 | Operation not recommended | | | | | | |
| 110 | 6.0 | 1.0 | 2.2 | Operation not recommended | | | | | | | | | | | | | | |
| | | | | 1350 | 41.0 | 26.8 | 0.66 | 3.75 | 53.8 | 10.9 | 10.3 | Operation not recommended | | | | | | |
| | 9.0 | 1.8 | 4.2 | 1550 | 42.1 | 29.7 | 0.70 | 3.78 | 55.0 | 11.1 | 11.2 | Operation not recommended | | | | | | |
| | | | | 1350 | 41.4 | 27.2 | 0.66 | 3.71 | 54.0 | 11.2 | 9.6 | Operation not recommended | | | | | | |
| | | | | 1550 | 42.5 | 30.1 | 0.71 | 3.74 | 55.3 | 11.4 | 10.7 | Operation not recommended | | | | | | |
| 120 | 6.0 | 0.9 | 2.1 | Operation not recommended | | | | | | | | | | | | | | |
| | 9.0 | 1.7 | 4.0 | 1350 | 38.0 | 25.7 | 0.68 | 4.18 | 52.3 | 9.1 | 12.5 | Operation not recommended | | | | | | |
| | | | | 1550 | 38.9 | 28.4 | 0.73 | 4.18 | 53.2 | 9.3 | 13.5 | Operation not recommended | | | | | | |
| | 12.0 | 2.8 | 6.5 | 1350 | 38.4 | 26.1 | 0.68 | 4.14 | 52.5 | 9.3 | 11.6 | Operation not recommended | | | | | | |
| 1550 | | | | 39.3 | 28.9 | 0.74 | 4.14 | 53.4 | 9.5 | 12.9 | Operation not recommended | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB064 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM Low Speed (1500 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|------------------------|-----------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 6.0 | 1.0 | 2.4 | Operation not recommended | | | | | | | | | | | | | | |
| | 10.0 | 2.7 | 6.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 14.0 | 5.1 | 11.8 | 1250 | 26.5 | 2.53 | 17.8 | 89.6 | 3.07 | 4.9 | | | | | | | | |
| | | | | 1500 | 27.4 | 2.56 | 18.6 | 86.9 | 3.13 | 4.5 | | | | | | | | |
| 30 | 6.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | | | | |
| | 10.0 | 2.6 | 6.0 | 1250 | 30.7 | 2.60 | 21.8 | 92.8 | 3.46 | 5.0 | 1250 | 50.1 | 28.9 | 0.58 | 1.36 | 54.8 | 36.8 | --- |
| | 14.0 | 5.0 | 11.5 | 1500 | 31.8 | 2.64 | 22.8 | 89.6 | 3.53 | 4.6 | 1500 | 51.6 | 32.9 | 0.64 | 1.42 | 56.5 | 36.2 | --- |
| | | | | 1250 | 31.8 | 2.60 | 22.9 | 93.6 | 3.58 | 5.1 | 1250 | 50.2 | 28.8 | 0.57 | 1.33 | 54.8 | 37.8 | --- |
| 1500 | 32.9 | 2.64 | 23.9 | 90.3 | 3.66 | 4.7 | 1500 | 51.5 | 32.8 | 0.64 | 1.40 | 56.3 | 36.7 | --- | | | | |
| 40 | 6.0 | 1.0 | 2.3 | Operation not recommended | | | | | | | | | | | | | | |
| | 10.0 | 2.5 | 5.9 | 1250 | 36.3 | 2.70 | 27.1 | 96.9 | 3.94 | 5.3 | 1250 | 51.6 | 29.6 | 0.57 | 1.50 | 56.7 | 34.5 | --- |
| | 14.0 | 4.8 | 11.1 | 1500 | 37.3 | 2.70 | 28.0 | 93.0 | 4.04 | 4.9 | 1500 | 53.1 | 33.7 | 0.63 | 1.57 | 58.5 | 33.9 | --- |
| | | | | 1250 | 37.4 | 2.70 | 28.2 | 97.7 | 4.06 | 5.5 | 1250 | 51.7 | 29.5 | 0.57 | 1.46 | 56.7 | 35.4 | --- |
| 1500 | 38.4 | 2.71 | 29.2 | 93.7 | 4.15 | 5.0 | 1500 | 53.1 | 33.6 | 0.63 | 1.54 | 58.4 | 34.5 | --- | | | | |
| 50 | 6.0 | 0.9 | 2.2 | 1250 | 40.8 | 2.74 | 31.5 | 100.2 | 4.37 | 5.6 | 1250 | 52.8 | 30.0 | 0.57 | 1.73 | 58.7 | 30.5 | 2.0 |
| | 10.0 | 2.5 | 5.7 | 1500 | 41.9 | 2.74 | 32.6 | 95.9 | 4.49 | 5.2 | 1500 | 54.4 | 34.1 | 0.63 | 1.83 | 60.6 | 29.7 | 2.1 |
| | | | | 1250 | 41.4 | 2.79 | 31.9 | 100.7 | 4.36 | 5.7 | 1250 | 53.0 | 30.3 | 0.57 | 1.67 | 58.7 | 31.7 | 1.9 |
| | 14.0 | 4.7 | 10.8 | 1250 | 42.4 | 2.77 | 32.9 | 96.2 | 4.48 | 5.3 | 1500 | 54.5 | 34.3 | 0.63 | 1.75 | 60.5 | 31.1 | 2.0 |
| 1500 | 42.7 | 2.80 | 33.1 | 101.6 | 4.46 | 5.9 | 1250 | 53.1 | 30.3 | 0.57 | 1.64 | 58.7 | 32.4 | 1.7 | | | | |
| 1500 | 43.6 | 2.79 | 34.1 | 96.9 | 4.59 | 5.4 | 1500 | 54.6 | 34.3 | 0.63 | 1.72 | 60.5 | 31.8 | 1.9 | | | | |
| 60 | 6.0 | 0.9 | 2.1 | 1250 | 45.4 | 2.83 | 35.8 | 103.6 | 4.71 | 6.1 | 1250 | 50.9 | 29.4 | 0.58 | 1.94 | 57.5 | 26.3 | 2.8 |
| | 10.0 | 2.4 | 5.5 | 1500 | 46.4 | 2.80 | 36.8 | 98.6 | 4.85 | 5.7 | 1500 | 52.5 | 33.1 | 0.63 | 2.03 | 59.4 | 25.9 | 3.0 |
| | | | | 1250 | 46.8 | 2.88 | 37.0 | 104.7 | 4.77 | 6.3 | 1250 | 51.1 | 29.6 | 0.58 | 1.87 | 57.5 | 27.3 | 2.6 |
| | 14.0 | 4.5 | 10.4 | 1500 | 47.6 | 2.84 | 37.9 | 99.4 | 4.92 | 5.8 | 1500 | 52.7 | 33.5 | 0.64 | 1.96 | 59.4 | 26.9 | 2.9 |
| 1250 | 47.9 | 2.90 | 38.0 | 105.5 | 4.84 | 6.5 | 1250 | 51.4 | 29.7 | 0.58 | 1.84 | 57.6 | 28.0 | 2.5 | | | | |
| 1500 | 48.7 | 2.86 | 38.9 | 100.1 | 4.99 | 6.0 | 1500 | 52.9 | 33.5 | 0.63 | 1.92 | 59.4 | 27.5 | 2.7 | | | | |
| 70 | 6.0 | 0.9 | 2.0 | 1250 | 49.9 | 2.92 | 39.9 | 107.0 | 5.01 | 6.8 | 1250 | 50.0 | 29.7 | 0.59 | 2.19 | 57.5 | 22.9 | 4.0 |
| | 10.0 | 2.3 | 5.3 | 1500 | 50.7 | 2.87 | 41.0 | 101.3 | 5.19 | 6.3 | 1500 | 51.6 | 33.3 | 0.65 | 2.28 | 59.4 | 22.6 | 4.2 |
| | | | | 1250 | 52.0 | 2.97 | 41.9 | 108.5 | 5.14 | 7.0 | 1250 | 50.4 | 30.0 | 0.59 | 2.13 | 57.6 | 23.7 | 3.7 |
| | 14.0 | 4.4 | 10.1 | 1500 | 52.6 | 2.90 | 42.7 | 102.5 | 5.31 | 6.5 | 1500 | 51.9 | 33.7 | 0.65 | 2.22 | 59.5 | 23.4 | 4.0 |
| 1250 | 53.0 | 3.00 | 42.8 | 109.3 | 5.18 | 7.2 | 1250 | 50.7 | 30.1 | 0.59 | 2.08 | 57.8 | 24.4 | 3.5 | | | | |
| 1500 | 53.6 | 2.93 | 43.6 | 103.1 | 5.35 | 6.6 | 1500 | 52.2 | 33.8 | 0.65 | 2.17 | 59.6 | 24.0 | 3.9 | | | | |
| 80 | 6.0 | 0.9 | 2.0 | 1250 | 54.1 | 3.01 | 43.9 | 110.1 | 5.27 | 7.6 | 1250 | 47.9 | 28.7 | 0.60 | 2.47 | 56.3 | 19.4 | 5.5 |
| | 10.0 | 2.2 | 5.1 | 1500 | 54.6 | 2.94 | 44.6 | 103.7 | 5.44 | 7.0 | 1500 | 49.3 | 32.0 | 0.65 | 2.56 | 58.0 | 19.3 | 5.9 |
| | | | | 1250 | 57.2 | 3.06 | 46.7 | 112.3 | 5.48 | 7.8 | 1250 | 48.3 | 28.9 | 0.60 | 2.41 | 56.5 | 20.0 | 5.2 |
| | 14.0 | 4.2 | 9.8 | 1500 | 57.4 | 2.97 | 47.3 | 105.5 | 5.68 | 7.2 | 1500 | 49.7 | 32.4 | 0.65 | 2.50 | 58.3 | 19.9 | 5.6 |
| 1250 | 57.8 | 3.10 | 47.3 | 112.9 | 5.47 | 8.0 | 1250 | 48.6 | 29.1 | 0.60 | 2.37 | 56.7 | 20.5 | 4.8 | | | | |
| 1500 | 58.1 | 3.01 | 47.8 | 105.8 | 5.66 | 7.4 | 1500 | 50.1 | 32.6 | 0.65 | 2.46 | 58.5 | 20.4 | 5.3 | | | | |
| 90 | 6.0 | 0.8 | 1.9 | 1250 | 58.2 | 3.10 | 47.6 | 113.1 | 5.51 | 8.5 | 1250 | 44.3 | 27.2 | 0.61 | 2.79 | 53.9 | 15.9 | 7.4 |
| | 10.0 | 2.1 | 5.0 | 1500 | 58.3 | 3.01 | 48.0 | 106.0 | 5.67 | 7.8 | 1500 | 45.7 | 30.2 | 0.66 | 2.87 | 55.5 | 15.9 | 7.8 |
| | | | | 1250 | 62.1 | 3.14 | 51.4 | 116.0 | 5.79 | 8.7 | 1250 | 44.8 | 27.5 | 0.61 | 2.73 | 54.1 | 16.4 | 6.9 |
| | 14.0 | 4.1 | 9.4 | 1500 | 62.1 | 3.03 | 51.8 | 108.3 | 6.01 | 8.1 | 1500 | 46.1 | 30.6 | 0.66 | 2.82 | 55.8 | 16.3 | 7.5 |
| 1250 | 62.5 | 3.19 | 51.6 | 116.3 | 5.74 | 9.0 | 1250 | 45.2 | 27.7 | 0.61 | 2.70 | 54.4 | 16.7 | 6.4 | | | | |
| 1500 | 62.4 | 3.08 | 51.9 | 108.5 | 5.94 | 8.3 | 1500 | 46.6 | 30.9 | 0.66 | 2.78 | 56.1 | 16.8 | 7.1 | | | | |
| 100 | 6.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | | | | |
| | 10.0 | 2.1 | 4.8 | 1250 | 43.0 | 2.75 | 0.64 | 3.12 | 53.6 | 13.8 | 9.0 | | | | | | | |
| | 14.0 | 3.9 | 9.1 | 1500 | 44.3 | 30.5 | 0.69 | 3.20 | 55.2 | 13.8 | 9.7 | | | | | | | |
| | | | | 1250 | 43.4 | 27.9 | 0.64 | 3.07 | 53.9 | 14.1 | 8.3 | | | | | | | |
| 1500 | 44.8 | 30.8 | 0.69 | 3.15 | 55.5 | 14.2 | 9.2 | | | | | | | | | | | |
| 110 | 6.0 | 0.8 | 1.8 | Operation not recommended | | | | | | | | | | | | | | |
| | 10.0 | 2.0 | 4.6 | 1250 | 38.7 | 26.0 | 0.67 | 3.53 | 50.7 | 10.9 | 11.3 | | | | | | | |
| | 14.0 | 3.8 | 8.7 | 1500 | 39.9 | 28.6 | 0.72 | 3.60 | 52.2 | 11.1 | 12.3 | | | | | | | |
| | | | | 1250 | 39.2 | 26.4 | 0.67 | 3.48 | 51.1 | 11.3 | 10.5 | | | | | | | |
| 1500 | 40.4 | 29.0 | 0.72 | 3.55 | 52.5 | 11.4 | 11.7 | | | | | | | | | | | |
| 120 | 6.0 | 0.7 | 1.7 | Operation not recommended | | | | | | | | | | | | | | |
| | 10.0 | 1.9 | 4.4 | 1250 | 36.2 | 26.1 | 0.72 | 4.01 | 49.8 | 9.0 | 14.0 | | | | | | | |
| | 14.0 | 3.6 | 8.4 | 1500 | 37.3 | 28.5 | 0.76 | 4.05 | 51.1 | 9.2 | 15.2 | | | | | | | |
| | | | | 1250 | 36.7 | 26.6 | 0.72 | 3.96 | 50.2 | 9.3 | 13.0 | | | | | | | |
| 1500 | 37.8 | 29.0 | 0.77 | 4.00 | 51.5 | 9.5 | 14.5 | | | | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB064 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM High Speed (1800 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|---------------------------|-----------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 8.0 | 1.8 | 4.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 3.8 | 8.8 | Operation not recommended | | | | | | | | | | | | | | |
| | 16.0 | 6.5 | 15.1 | 1500 | 39.7 | 3.44 | 28.0 | 94.5 | 3.38 | 6.2 | Operation not recommended | | | | | | | |
| | | | | 1800 | 40.7 | 3.60 | 28.4 | 90.9 | 3.31 | 5.6 | | | | | | | | |
| 30 | 8.0 | 1.8 | 4.1 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 3.7 | 8.6 | 1500 | 45.8 | 3.46 | 34.0 | 98.3 | 3.88 | 6.5 | 1500 | 65.1 | 40.8 | 0.63 | 2.23 | 72.7 | 29.1 | --- |
| | | | | 1800 | 47.1 | 3.68 | 34.5 | 94.2 | 3.75 | 6.0 | 1800 | 65.7 | 44.4 | 0.68 | 2.37 | 73.7 | 27.7 | --- |
| | 16.0 | 6.4 | 14.7 | 1500 | 46.4 | 3.55 | 34.3 | 98.7 | 3.84 | 6.7 | 1500 | 65.7 | 41.2 | 0.63 | 2.19 | 73.2 | 30.0 | --- |
| 1800 | | | | 47.6 | 3.71 | 34.9 | 94.5 | 3.76 | 6.1 | 1800 | 66.2 | 44.8 | 0.68 | 2.33 | 74.1 | 28.4 | --- | |
| 40 | 8.0 | 1.7 | 4.0 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 3.6 | 8.3 | 1500 | 52.7 | 3.69 | 40.1 | 102.5 | 4.19 | 7.2 | 1500 | 67.6 | 41.9 | 0.62 | 2.56 | 76.4 | 26.4 | --- |
| | | | | 1800 | 53.9 | 3.84 | 40.8 | 97.7 | 4.11 | 6.6 | 1800 | 68.6 | 45.6 | 0.66 | 2.72 | 77.9 | 25.2 | --- |
| | 16.0 | 6.2 | 14.2 | 1500 | 53.5 | 3.75 | 40.7 | 103.0 | 4.18 | 7.4 | 1500 | 68.3 | 42.3 | 0.62 | 2.52 | 76.9 | 27.1 | --- |
| 1800 | | | | 54.7 | 3.88 | 41.5 | 98.2 | 4.13 | 6.7 | 1800 | 69.2 | 46.0 | 0.66 | 2.68 | 78.4 | 25.9 | --- | |
| 50 | 8.0 | 1.7 | 3.8 | 1500 | 56.2 | 3.84 | 43.1 | 104.7 | 4.29 | 7.8 | 1500 | 68.7 | 42.2 | 0.61 | 3.00 | 78.9 | 22.9 | 4.0 |
| | | | | 1800 | 57.4 | 3.96 | 43.9 | 99.5 | 4.25 | 7.2 | 1800 | 70.1 | 45.9 | 0.65 | 3.19 | 81.0 | 22.0 | 4.2 |
| | 12.0 | 3.5 | 8.1 | 1500 | 59.5 | 3.91 | 46.1 | 106.7 | 4.45 | 8.0 | 1500 | 69.4 | 42.6 | 0.61 | 2.94 | 79.4 | 23.6 | 3.7 |
| | | | | 1800 | 60.7 | 4.01 | 47.0 | 101.2 | 4.43 | 7.4 | 1800 | 70.8 | 46.4 | 0.65 | 3.12 | 81.5 | 22.7 | 4.0 |
| 16.0 | 6.0 | 13.8 | 1500 | 60.4 | 3.96 | 46.9 | 107.3 | 4.48 | 8.2 | 1500 | 70.1 | 43.1 | 0.61 | 2.89 | 80.0 | 24.3 | 3.4 | |
| | | | 1800 | 61.8 | 4.05 | 47.9 | 101.8 | 4.47 | 7.5 | 1800 | 71.5 | 46.8 | 0.65 | 3.07 | 82.0 | 23.3 | 3.8 | |
| 60 | 8.0 | 1.6 | 3.7 | 1500 | 63.1 | 4.10 | 49.1 | 108.9 | 4.51 | 8.7 | 1500 | 67.1 | 41.8 | 0.62 | 3.23 | 78.2 | 20.8 | 4.8 |
| | | | | 1800 | 64.4 | 4.17 | 50.2 | 103.1 | 4.53 | 8.0 | 1800 | 68.8 | 45.5 | 0.66 | 3.44 | 80.6 | 20.0 | 5.1 |
| | 12.0 | 3.4 | 7.8 | 1500 | 65.9 | 4.17 | 51.7 | 110.7 | 4.64 | 9.0 | 1500 | 67.8 | 42.2 | 0.62 | 3.17 | 78.6 | 21.4 | 4.5 |
| | | | | 1800 | 67.4 | 4.22 | 53.0 | 104.7 | 4.68 | 8.3 | 1800 | 69.6 | 45.9 | 0.66 | 3.37 | 81.1 | 20.7 | 4.9 |
| 16.0 | 5.8 | 13.4 | 1500 | 67.4 | 4.22 | 53.0 | 111.6 | 4.68 | 9.2 | 1500 | 68.5 | 42.7 | 0.62 | 3.12 | 79.1 | 22.0 | 4.2 | |
| | | | 1800 | 68.9 | 4.26 | 54.3 | 105.4 | 4.74 | 8.5 | 1800 | 70.2 | 46.4 | 0.66 | 3.31 | 81.5 | 21.2 | 4.6 | |
| 70 | 8.0 | 1.6 | 3.6 | 1500 | 70.0 | 4.39 | 55.0 | 113.2 | 4.67 | 9.8 | 1500 | 67.7 | 42.2 | 0.62 | 3.60 | 80.0 | 18.8 | 6.1 |
| | | | | 1800 | 71.5 | 4.41 | 56.4 | 106.8 | 4.75 | 9.0 | 1800 | 69.8 | 45.9 | 0.66 | 3.83 | 82.9 | 18.2 | 6.4 |
| | 12.0 | 3.3 | 7.5 | 1500 | 72.5 | 4.46 | 57.3 | 114.8 | 4.77 | 10.1 | 1500 | 68.4 | 42.6 | 0.62 | 3.53 | 80.4 | 19.4 | 5.7 |
| | | | | 1800 | 74.2 | 4.47 | 58.9 | 108.2 | 4.87 | 9.3 | 1800 | 70.6 | 46.3 | 0.66 | 3.75 | 83.4 | 18.8 | 6.1 |
| 16.0 | 5.6 | 12.9 | 1500 | 74.4 | 4.51 | 59.0 | 115.9 | 4.84 | 10.4 | 1500 | 69.0 | 43.0 | 0.62 | 3.46 | 80.9 | 19.9 | 5.3 | |
| | | | 1800 | 76.1 | 4.51 | 60.7 | 109.2 | 4.95 | 9.6 | 1800 | 71.2 | 46.8 | 0.66 | 3.69 | 83.8 | 19.3 | 5.8 | |
| 80 | 8.0 | 1.5 | 3.5 | 1500 | 76.9 | 4.68 | 60.9 | 117.4 | 4.82 | 11.0 | 1500 | 63.8 | 40.8 | 0.64 | 3.90 | 77.1 | 16.3 | 7.7 |
| | | | | 1800 | 78.6 | 4.65 | 62.8 | 110.5 | 4.95 | 10.2 | 1800 | 66.1 | 44.3 | 0.67 | 4.16 | 80.3 | 15.9 | 8.1 |
| | 12.0 | 3.2 | 7.3 | 1500 | 78.7 | 4.74 | 62.5 | 118.6 | 4.87 | 11.3 | 1500 | 64.4 | 41.1 | 0.64 | 3.83 | 77.5 | 16.8 | 7.1 |
| | | | | 1800 | 80.6 | 4.69 | 64.6 | 111.4 | 5.04 | 10.5 | 1800 | 66.8 | 44.7 | 0.67 | 4.07 | 80.7 | 16.4 | 7.7 |
| 16.0 | 5.4 | 12.5 | 1500 | 81.1 | 4.79 | 64.7 | 120.0 | 4.96 | 11.7 | 1500 | 65.1 | 41.6 | 0.64 | 3.76 | 77.9 | 17.3 | 6.6 | |
| | | | 1800 | 83.1 | 4.74 | 66.9 | 112.7 | 5.14 | 10.8 | 1800 | 67.5 | 45.2 | 0.67 | 4.00 | 81.1 | 16.9 | 7.4 | |
| 90 | 8.0 | 1.4 | 3.3 | 1500 | 83.8 | 5.00 | 66.8 | 121.7 | 4.92 | 12.4 | 1500 | 58.7 | 39.3 | 0.67 | 4.18 | 72.9 | 14.0 | 9.6 |
| | | | | 1800 | 85.8 | 4.92 | 69.0 | 114.2 | 5.11 | 11.4 | 1800 | 61.3 | 42.7 | 0.70 | 4.45 | 76.5 | 13.8 | 10.2 |
| | 12.0 | 3.0 | 7.0 | 1500 | 84.9 | 5.05 | 67.7 | 122.4 | 4.93 | 12.7 | 1500 | 59.3 | 39.6 | 0.67 | 4.10 | 73.3 | 14.5 | 9.0 |
| | | | | 1800 | 87.1 | 4.95 | 70.2 | 114.8 | 5.16 | 11.8 | 1800 | 61.8 | 43.1 | 0.70 | 4.36 | 76.7 | 14.2 | 9.7 |
| 16.0 | 5.2 | 12.0 | 1500 | 87.9 | 5.12 | 70.4 | 124.2 | 5.03 | 13.1 | 1500 | 59.9 | 40.1 | 0.67 | 4.03 | 73.7 | 14.9 | 8.3 | |
| | | | 1800 | 90.2 | 5.00 | 73.1 | 116.4 | 5.29 | 12.2 | 1800 | 62.5 | 43.5 | 0.70 | 4.29 | 77.2 | 14.6 | 9.2 | |
| 100 | 8.0 | 1.4 | 3.2 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 2.9 | 6.8 | 1500 | 57.7 | 38.6 | 0.67 | 4.53 | 73.1 | 12.7 | 11.1 | | | | | | | |
| | | | | 1800 | 60.4 | 42.0 | 0.70 | 4.83 | 76.9 | 12.5 | 12.1 | | | | | | | |
| | 16.0 | 5.0 | 11.6 | 1500 | 58.2 | 39.1 | 0.67 | 4.45 | 73.4 | 13.1 | 10.3 | | | | | | | |
| 1800 | | | | 61.0 | 42.4 | 0.70 | 4.75 | 77.2 | 12.9 | 11.5 | | | | | | | | |
| 110 | 8.0 | 1.3 | 3.1 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 2.8 | 6.5 | Operation not recommended | | | | | | | 1500 | 51.0 | 35.3 | 0.69 | 4.84 | 67.5 | 10.5 | 13.6 |
| | | | | 1800 | 53.7 | 38.3 | 0.71 | 5.17 | 71.4 | 10.4 | 14.8 | | | | | | | |
| | 16.0 | 4.8 | 11.2 | Operation not recommended | | | | | | | 1500 | 51.5 | 35.7 | 0.69 | 4.76 | 67.7 | 10.8 | 12.7 |
| 1800 | | | | 54.2 | 38.8 | 0.72 | 5.08 | 71.5 | 10.7 | 14.1 | | | | | | | | |
| 120 | 8.0 | 1.3 | 3.0 | Operation not recommended | | | | | | | | | | | | | | |
| | 12.0 | 2.7 | 6.3 | Operation not recommended | | | | | | | 1500 | 49.6 | 35.9 | 0.72 | 5.34 | 67.9 | 9.3 | 16.5 |
| | | | | 1800 | 52.5 | 39.0 | 0.74 | 5.70 | 72.0 | 9.2 | 17.9 | | | | | | | |
| | 16.0 | 4.6 | 10.7 | Operation not recommended | | | | | | | 1500 | 50.1 | 36.3 | 0.73 | 5.25 | 68.0 | 9.5 | 15.3 |
| 1800 | | | | 53.0 | 39.5 | 0.75 | 5.61 | 72.1 | 9.4 | 17.0 | | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB072 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM Low Speed (1700 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|--------|---------------|---------------------|-------|---------------------------|-----------|----------|-----------|--------|------|------------|---------------------------|-----------|-----------|-----------|----------|-----------|------|------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 10.0 | 2.3 | 5.4 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 13.0 | 3.6 | 8.2 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 16.0 | 5.0 | 11.6 | 1400 | 31.8 | 3.36 | 20.3 | 91.0 | 2.77 | 6.0 | 1700 | 33.3 | 3.40 | 21.7 | 88.1 | 2.87 | 5.4 | |
| 30 | 10.0 | 2.3 | 5.3 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 13.0 | 3.5 | 8.0 | 1400 | 35.5 | 3.38 | 23.9 | 93.5 | 3.07 | 6.1 | 1700 | 55.9 | 37.9 | 0.68 | 1.90 | 62.4 | 29.4 | --- |
| | 16.0 | 4.9 | 11.3 | 1400 | 37.0 | 3.38 | 25.5 | 94.5 | 3.21 | 6.3 | 1700 | 55.7 | 37.8 | 0.68 | 1.84 | 61.9 | 30.2 | --- |
| 40 | 10.0 | 2.2 | 5.1 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |
| | 13.0 | 3.4 | 7.8 | 1400 | 41.7 | 3.48 | 29.8 | 97.6 | 3.51 | 6.5 | 1700 | 58.3 | 39.9 | 0.68 | 2.07 | 65.4 | 28.1 | --- |
| | 16.0 | 4.7 | 11.0 | 1400 | 43.2 | 3.49 | 31.3 | 98.6 | 3.62 | 6.7 | 1700 | 58.3 | 39.9 | 0.68 | 2.02 | 65.2 | 28.9 | --- |
| 50 | 10.0 | 2.1 | 4.9 | 1400 | 46.6 | 3.52 | 34.6 | 100.8 | 3.88 | 6.8 | 1700 | 58.5 | 36.5 | 0.62 | 2.26 | 66.2 | 25.9 | 2.3 |
| | 13.0 | 3.3 | 7.5 | 1400 | 47.3 | 3.56 | 35.2 | 101.3 | 3.89 | 7.0 | 1700 | 60.3 | 41.4 | 0.69 | 2.37 | 68.4 | 25.4 | 2.4 |
| | 16.0 | 4.6 | 10.6 | 1400 | 48.7 | 3.58 | 36.5 | 102.2 | 3.99 | 7.2 | 1700 | 60.5 | 41.8 | 0.69 | 2.29 | 68.3 | 26.4 | 2.3 |
| 60 | 10.0 | 2.1 | 4.8 | 1400 | 51.8 | 3.64 | 39.4 | 104.3 | 4.18 | 7.5 | 1700 | 58.8 | 41.2 | 0.70 | 2.45 | 67.4 | 24.1 | 3.1 |
| | 13.0 | 3.2 | 7.3 | 1400 | 53.3 | 3.67 | 40.8 | 105.3 | 4.25 | 7.7 | 1700 | 57.1 | 36.4 | 0.64 | 2.40 | 65.2 | 23.8 | 3.0 |
| | 16.0 | 4.4 | 10.3 | 1400 | 54.5 | 3.71 | 41.9 | 106.1 | 4.30 | 7.9 | 1700 | 59.1 | 41.2 | 0.70 | 2.45 | 67.4 | 24.1 | 3.1 |
| 70 | 10.0 | 2.0 | 4.6 | 1400 | 57.2 | 3.77 | 44.3 | 107.8 | 4.45 | 8.3 | 1700 | 56.4 | 36.6 | 0.65 | 2.77 | 65.9 | 20.4 | 4.5 |
| | 13.0 | 3.0 | 7.0 | 1400 | 59.5 | 3.66 | 47.0 | 102.4 | 4.77 | 7.7 | 1700 | 58.1 | 41.2 | 0.71 | 2.88 | 67.9 | 20.2 | 4.8 |
| | 16.0 | 4.3 | 9.9 | 1400 | 59.3 | 3.80 | 46.4 | 109.3 | 4.57 | 8.5 | 1700 | 58.4 | 41.7 | 0.71 | 2.79 | 67.9 | 20.9 | 4.5 |
| 80 | 10.0 | 1.9 | 4.5 | 1400 | 60.4 | 3.86 | 47.3 | 110.0 | 4.59 | 8.8 | 1700 | 57.1 | 37.2 | 0.65 | 2.65 | 66.1 | 21.6 | 3.9 |
| | 13.0 | 2.9 | 6.8 | 1400 | 62.7 | 3.75 | 50.0 | 104.2 | 4.91 | 8.1 | 1700 | 58.9 | 41.8 | 0.71 | 2.74 | 68.2 | 21.5 | 4.3 |
| | 16.0 | 4.2 | 9.6 | 1400 | 61.6 | 3.86 | 48.4 | 110.7 | 4.67 | 9.2 | 1700 | 53.8 | 35.8 | 0.66 | 3.09 | 64.4 | 17.4 | 6.2 |
| 90 | 10.0 | 1.9 | 4.3 | 1400 | 63.9 | 3.72 | 51.1 | 104.8 | 5.02 | 8.5 | 1700 | 55.5 | 40.0 | 0.72 | 3.18 | 66.3 | 17.5 | 6.6 |
| | 13.0 | 2.8 | 6.6 | 1400 | 64.8 | 3.91 | 51.5 | 112.9 | 4.86 | 9.5 | 1700 | 54.3 | 36.2 | 0.67 | 3.01 | 64.5 | 18.0 | 5.8 |
| | 16.0 | 4.0 | 9.3 | 1400 | 67.2 | 3.75 | 54.4 | 106.6 | 5.25 | 8.8 | 1700 | 55.9 | 40.5 | 0.72 | 3.10 | 66.5 | 18.0 | 6.3 |
| 100 | 10.0 | 1.8 | 4.2 | 1400 | 65.6 | 3.96 | 52.1 | 113.4 | 4.85 | 9.8 | 1700 | 54.7 | 36.4 | 0.67 | 2.96 | 64.8 | 18.5 | 5.4 |
| | 13.0 | 2.7 | 6.3 | 1400 | 67.8 | 3.82 | 54.8 | 107.0 | 5.21 | 9.1 | 1700 | 56.4 | 40.7 | 0.72 | 3.04 | 66.8 | 18.5 | 6.0 |
| | 16.0 | 3.9 | 8.9 | 1400 | 66.1 | 3.98 | 52.6 | 113.7 | 4.87 | 10.3 | 1700 | 49.7 | 34.0 | 0.68 | 3.43 | 61.4 | 14.5 | 8.3 |
| 110 | 10.0 | 1.7 | 4.0 | 1400 | 68.3 | 3.81 | 55.3 | 107.2 | 5.25 | 9.5 | 1700 | 51.3 | 37.7 | 0.74 | 3.50 | 63.2 | 14.6 | 8.8 |
| | 13.0 | 2.6 | 6.1 | 1400 | 70.4 | 4.03 | 56.7 | 116.6 | 5.12 | 10.6 | 1700 | 50.2 | 34.3 | 0.68 | 3.36 | 61.7 | 14.9 | 7.7 |
| | 16.0 | 3.7 | 8.6 | 1400 | 72.8 | 3.83 | 59.7 | 109.6 | 5.57 | 9.8 | 1700 | 51.8 | 38.2 | 0.74 | 3.43 | 63.5 | 15.1 | 8.4 |
| 120 | 10.0 | 1.7 | 3.8 | 1400 | 70.9 | 4.09 | 56.9 | 116.9 | 5.08 | 11.0 | 1700 | 50.7 | 34.6 | 0.68 | 3.31 | 62.0 | 15.3 | 7.2 |
| | 13.0 | 2.5 | 5.8 | 1400 | 73.1 | 3.90 | 59.8 | 109.8 | 5.49 | 10.2 | 1700 | 52.3 | 38.5 | 0.74 | 3.38 | 63.8 | 15.5 | 8.0 |
| | 16.0 | 3.6 | 8.2 | Operation not recommended | | | | | | | Operation not recommended | | | | | | | |

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Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz



NB072 - Performance Data

Dual Capacity with Variable Speed ECM or 5-Speed ECM High Speed (2200 cfm)

| EWT °F | Flow Rate gpm | Water Pressure Drop | | HEATING - EAT 70°F | | | | | | | COOLING - EAT 80/67 °F | | | | | | | |
|-----------|---------------------|------------------------|-------|---------------------------|---------------------------|-------------|--------------|-----------|-------|---------------|---------------------------|---------------------------|--------------|--------------|-------------|--------------|------|---------------|
| | | psi | ft/hd | Airflow cfm | HC MBtu/h | Power kW | HE MBtu/h | LAT °F | COP | HWC MBtu/h | Airflow cfm | TC MBtu/h | SC MBtu/h | S/T Ratio | Power kW | HR MBtu/h | EER | HWC MBtu/h |
| 20 | 12.0 | 3.3 | 7.6 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 4.6 | 10.7 | Operation not recommended | | | | | | | | | | | | | | |
| | 18.0 | 6.2 | 14.3 | 1850 | 45.4 | 4.17 | 31.2 | 92.7 | 3.19 | 7.9 | Operation not recommended | | | | | | | |
| | | | | 2200 | 47.1 | 4.44 | 31.9 | 89.8 | 3.11 | 7.1 | Operation not recommended | | | | | | | |
| 30 | 12.0 | 3.2 | 7.4 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 4.5 | 10.4 | 1850 | 52.6 | 4.33 | 37.8 | 96.3 | 3.56 | 8.3 | 1850 | 70.5 | 43.0 | 0.61 | 2.51 | 79.1 | 28.1 | --- |
| | | | | 2200 | 54.5 | 4.60 | 38.7 | 92.9 | 3.47 | 7.6 | 2200 | 71.8 | 46.8 | 0.65 | 2.66 | 80.9 | 27.0 | --- |
| | 18.0 | 6.0 | 13.9 | 1850 | 53.0 | 4.37 | 38.1 | 96.5 | 3.56 | 8.6 | 1850 | 71.2 | 43.8 | 0.61 | 2.46 | 79.6 | 28.9 | --- |
| | | | | 2200 | 55.0 | 4.65 | 39.1 | 93.1 | 3.47 | 7.8 | 2200 | 72.5 | 47.1 | 0.65 | 2.62 | 81.5 | 27.7 | --- |
| | 40 | 12.0 | 3.1 | 7.1 | Operation not recommended | | | | | | | | | | | | | |
| 15.0 | | 4.4 | 10.1 | 1850 | 61.0 | 4.60 | 45.3 | 100.5 | 3.89 | 9.2 | 1850 | 73.3 | 45.8 | 0.62 | 3.03 | 83.6 | 24.2 | --- |
| | | | | 2200 | 63.1 | 4.81 | 46.7 | 96.5 | 3.84 | 8.4 | 2200 | 74.7 | 49.8 | 0.67 | 3.21 | 85.7 | 23.3 | --- |
| 18.0 | | 5.8 | 13.5 | 1850 | 61.9 | 4.65 | 46.0 | 101.0 | 3.90 | 9.5 | 1850 | 74.1 | 46.6 | 0.63 | 2.97 | 84.2 | 24.9 | --- |
| | | | | 2200 | 64.0 | 4.86 | 47.4 | 96.9 | 3.86 | 8.6 | 2200 | 75.5 | 50.2 | 0.66 | 3.16 | 86.3 | 23.9 | --- |
| 50 | | 12.0 | 3.0 | 6.9 | 1850 | 64.9 | 4.79 | 48.6 | 102.5 | 3.97 | 9.9 | 1850 | 74.7 | 47.6 | 0.64 | 3.68 | 87.2 | 20.3 |
| | 2200 | | | | 67.1 | 4.96 | 50.2 | 98.2 | 3.97 | 9.2 | 2200 | 76.2 | 51.8 | 0.68 | 3.90 | 89.6 | 19.5 | 4.6 |
| | 15.0 | 4.2 | 9.8 | 1850 | 68.6 | 4.88 | 51.9 | 104.3 | 4.12 | 10.3 | 1850 | 75.4 | 48.1 | 0.64 | 3.60 | 87.7 | 21.0 | 4.0 |
| | | | | 2200 | 70.9 | 5.04 | 53.7 | 99.8 | 4.12 | 9.4 | 2200 | 76.9 | 52.4 | 0.68 | 3.83 | 90.0 | 20.1 | 4.4 |
| | 18.0 | 5.7 | 13.1 | 1850 | 69.8 | 4.94 | 53.0 | 104.9 | 4.14 | 10.6 | 1850 | 76.2 | 49.1 | 0.64 | 3.54 | 88.3 | 21.5 | 3.7 |
| | | | | 2200 | 72.1 | 5.09 | 54.7 | 100.3 | 4.15 | 9.7 | 2200 | 77.7 | 52.8 | 0.68 | 3.77 | 90.6 | 20.6 | 4.2 |
| 60 | 12.0 | 2.9 | 6.7 | 1850 | 73.0 | 5.10 | 55.6 | 106.5 | 4.19 | 11.1 | 1850 | 73.3 | 47.7 | 0.65 | 3.91 | 86.7 | 18.8 | 5.3 |
| | | | | 2200 | 75.4 | 5.20 | 57.6 | 101.7 | 4.24 | 10.3 | 2200 | 74.9 | 51.6 | 0.69 | 4.15 | 89.0 | 18.0 | 5.6 |
| | 15.0 | 4.1 | 9.5 | 1850 | 76.2 | 5.19 | 58.5 | 108.2 | 4.30 | 11.5 | 1850 | 74.1 | 48.2 | 0.65 | 3.82 | 87.1 | 19.4 | 4.9 |
| | | | | 2200 | 78.7 | 5.27 | 60.7 | 103.1 | 4.37 | 10.6 | 2200 | 75.6 | 52.1 | 0.69 | 4.06 | 89.4 | 18.6 | 5.3 |
| | 18.0 | 5.5 | 12.7 | 1850 | 77.9 | 5.25 | 60.0 | 109.0 | 4.35 | 11.8 | 1850 | 74.9 | 48.9 | 0.65 | 3.76 | 87.7 | 19.9 | 4.6 |
| | | | | 2200 | 80.5 | 5.33 | 62.3 | 103.9 | 4.43 | 10.9 | 2200 | 76.4 | 52.7 | 0.69 | 4.00 | 90.0 | 19.1 | 5.1 |
| 70 | 12.0 | 2.8 | 6.5 | 1850 | 81.2 | 5.42 | 62.7 | 110.6 | 4.39 | 12.5 | 1850 | 73.3 | 48.7 | 0.66 | 4.34 | 88.1 | 16.9 | 6.6 |
| | | | | 2200 | 83.7 | 5.46 | 65.1 | 105.2 | 4.49 | 11.6 | 2200 | 74.8 | 52.3 | 0.70 | 4.62 | 90.6 | 16.2 | 7.0 |
| | 15.0 | 4.0 | 9.1 | 1850 | 84.0 | 5.51 | 65.2 | 112.0 | 4.47 | 12.9 | 1850 | 74.0 | 49.2 | 0.66 | 4.26 | 88.5 | 17.4 | 6.2 |
| | | | | 2200 | 86.7 | 5.52 | 67.8 | 106.5 | 4.60 | 11.9 | 2200 | 75.5 | 52.8 | 0.70 | 4.52 | 91.0 | 16.7 | 6.7 |
| | 18.0 | 5.3 | 12.2 | 1850 | 86.2 | 5.57 | 67.2 | 113.1 | 4.53 | 13.3 | 1850 | 74.8 | 49.7 | 0.66 | 4.18 | 89.1 | 17.9 | 5.7 |
| | | | | 2200 | 89.0 | 5.57 | 70.0 | 107.5 | 4.68 | 12.3 | 2200 | 76.4 | 53.4 | 0.70 | 4.45 | 91.5 | 17.1 | 6.4 |
| 80 | 12.0 | 2.7 | 6.3 | 1850 | 88.3 | 5.78 | 68.6 | 114.2 | 4.48 | 14.1 | 1850 | 70.1 | 47.4 | 0.68 | 4.67 | 86.0 | 15.0 | 8.4 |
| | | | | 2200 | 91.2 | 5.74 | 71.6 | 108.4 | 4.66 | 13.0 | 2200 | 71.6 | 51.2 | 0.72 | 4.97 | 88.5 | 14.4 | 8.9 |
| | 15.0 | 3.8 | 8.8 | 1850 | 90.4 | 5.86 | 70.4 | 115.3 | 4.52 | 14.5 | 1850 | 70.8 | 47.8 | 0.68 | 4.57 | 86.4 | 15.5 | 7.8 |
| | | | | 2200 | 93.3 | 5.78 | 73.6 | 109.3 | 4.73 | 13.4 | 2200 | 72.2 | 51.6 | 0.71 | 4.86 | 88.8 | 14.9 | 8.4 |
| | 18.0 | 5.1 | 11.8 | 1850 | 93.2 | 5.94 | 72.9 | 116.6 | 4.60 | 15.0 | 1850 | 71.6 | 48.5 | 0.68 | 4.49 | 86.9 | 15.9 | 7.2 |
| | | | | 2200 | 96.3 | 5.84 | 76.3 | 110.5 | 4.83 | 13.8 | 2200 | 73.0 | 52.2 | 0.71 | 4.79 | 89.4 | 15.3 | 8.0 |
| 90 | 12.0 | 2.6 | 6.0 | 1850 | 95.6 | 6.15 | 74.6 | 117.9 | 4.56 | 15.8 | 1850 | 65.5 | 45.0 | 0.69 | 4.88 | 82.2 | 13.4 | 10.5 |
| | | | | 2200 | 98.8 | 6.03 | 78.2 | 111.6 | 4.80 | 14.7 | 2200 | 66.9 | 48.9 | 0.73 | 5.19 | 84.6 | 12.9 | 11.1 |
| | 15.0 | 3.7 | 8.5 | 1850 | 97.0 | 6.22 | 75.7 | 118.5 | 4.57 | 16.3 | 1850 | 66.2 | 45.4 | 0.69 | 4.78 | 82.5 | 13.9 | 9.8 |
| | | | | 2200 | 100.1 | 6.06 | 79.4 | 112.1 | 4.84 | 15.1 | 2200 | 67.5 | 49.3 | 0.73 | 5.09 | 84.9 | 13.3 | 10.6 |
| | 18.0 | 4.9 | 11.4 | 1850 | 100.3 | 6.30 | 78.8 | 120.2 | 4.66 | 16.8 | 1850 | 66.9 | 46.3 | 0.69 | 4.70 | 82.9 | 14.2 | 9.1 |
| | | | | 2200 | 103.6 | 6.12 | 82.7 | 113.6 | 4.96 | 15.6 | 2200 | 68.3 | 49.8 | 0.73 | 5.00 | 85.3 | 13.6 | 10.1 |
| 100 | 12.0 | 2.5 | 5.8 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 3.6 | 8.2 | 1850 | 63.4 | 44.7 | 0.71 | 5.27 | 81.4 | 12.0 | 12.2 | Operation not recommended | | | | | | |
| | | | | 2200 | 64.7 | 48.4 | 0.75 | 5.61 | 83.9 | 11.5 | 13.2 | Operation not recommended | | | | | | |
| | 18.0 | 4.8 | 11.0 | 1850 | 64.1 | 45.4 | 0.71 | 5.18 | 81.8 | 12.4 | 11.3 | Operation not recommended | | | | | | |
| 2200 | | | | 65.5 | 48.9 | 0.75 | 5.51 | 84.3 | 11.9 | 12.5 | Operation not recommended | | | | | | | |
| 110 | 12.0 | 2.4 | 5.6 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 3.4 | 7.9 | 1850 | 56.6 | 41.4 | 0.73 | 5.51 | 75.4 | 10.3 | 14.9 | Operation not recommended | | | | | | |
| | | | | 2200 | 57.8 | 44.6 | 0.77 | 5.86 | 77.8 | 9.9 | 16.1 | Operation not recommended | | | | | | |
| | 18.0 | 4.6 | 10.6 | 1850 | 57.3 | 41.9 | 0.73 | 5.41 | 75.7 | 10.6 | 13.8 | Operation not recommended | | | | | | |
| 2200 | | | | 58.4 | 45.0 | 0.77 | 5.76 | 78.1 | 10.2 | 15.3 | Operation not recommended | | | | | | | |
| 120 | 12.0 | 2.3 | 5.4 | Operation not recommended | | | | | | | | | | | | | | |
| | 15.0 | 3.3 | 7.6 | 1850 | 53.6 | 40.2 | 0.75 | 6.04 | 74.3 | 8.9 | 18.0 | Operation not recommended | | | | | | |
| | | | | 2200 | 54.7 | 43.4 | 0.79 | 6.43 | 76.7 | 8.5 | 19.5 | Operation not recommended | | | | | | |
| | 18.0 | 4.4 | 10.2 | 1850 | 54.2 | 40.7 | 0.75 | 5.94 | 74.5 | 9.1 | 16.7 | Operation not recommended | | | | | | |
| 2200 | | | | 55.3 | 43.7 | 0.79 | 6.31 | 76.9 | 8.8 | 18.5 | Operation not recommended | | | | | | | |

3/16/12

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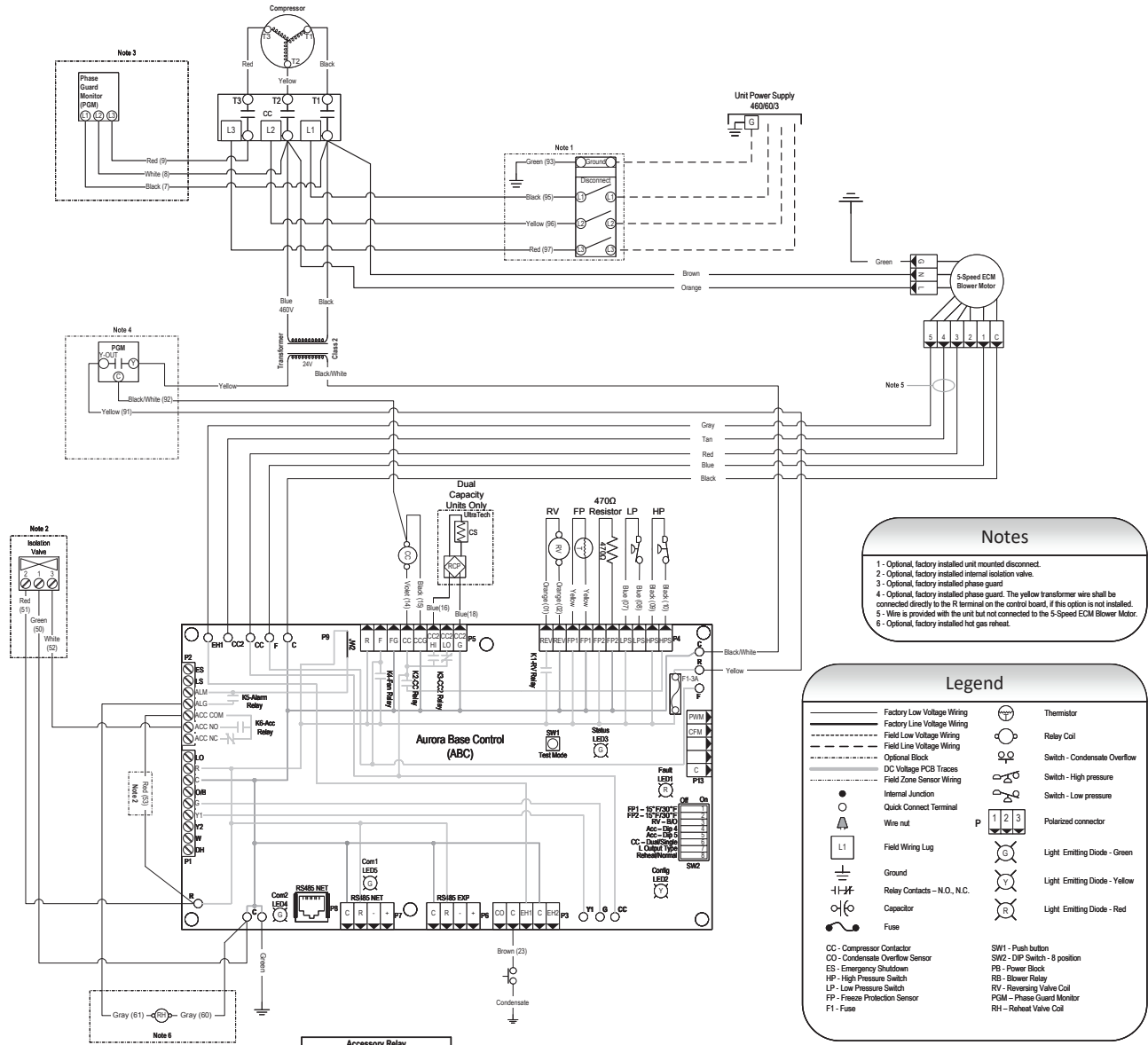
Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
 Commercial 0.75-6 Tons 60Hz**



Wiring Schematics cont.

Aurora Base with 5-Speed ECM - 460/60/3



- Notes**
- 1 - Optional, factory installed unit mounted disconnect.
 - 2 - Optional, factory installed internal isolation valve.
 - 3 - Optional, factory installed phase guard.
 - 4 - Optional, factory installed phase guard. The yellow transformer wire shall be connected directly to the R terminal on the control board, if this option is not installed.
 - 5 - Wire is provided with the unit but not connected to the 5-Speed ECM Blower Motor.
 - 6 - Optional, factory installed hot gas reheat.

Legend

| | | | |
|--|-----------------------------|--|-------------------------------|
| | Factory Low Voltage Wiring | | Thermistor |
| | Factory Line Voltage Wiring | | Relay Coil |
| | Field Line Voltage Wiring | | Switch - Condensate Overflow |
| | Field Line Voltage Wiring | | Switch - High pressure |
| | Optional Block | | Switch - Low pressure |
| | DC Voltage PCB Traces | | Polarized connector |
| | Field Zone Sensor Wiring | | Light Emitting Diode - Green |
| | Internal Junction | | Light Emitting Diode - Yellow |
| | Quick Connect Terminal | | Light Emitting Diode - Red |
| | Wire nut | | |
| | Field Wiring Lug | | |
| | Ground | | |
| | Relay Contacts - N.O., N.C. | | |
| | Capacitor | | |
| | Fuse | | |

CC - Compressor Contactor
 CO - Condensate Overflow Sensor
 ES - Emergency Shutdown
 PB - Power Block
 RP - Reversing Valve Coil
 PGM - Phase Guard Monitor
 RH - Reheat Valve Coil
 SW1 - Push button
 SW2 - DIP Switch - 8 position

Accessory Relay

| Operation | SW2-4 | SW2-3 |
|-----------------------|-------|-------|
| Cycle with Blower | On | On |
| Cycle with Compressor | Off | Off |
| Water Valve Slow Open | Off | Off |
| Outdoor Air Damper | Off | On |

Aurora Timing Events

| Event | Normal Mode | Test Mode |
|--|-----------------|-------------|
| Random Start Delay | 5 to 80 seconds | 1 second |
| Compressor On Delay | 5 seconds | < 1 second |
| Compressor Minimum On Time | 2 minutes | 5 seconds |
| Compressor Short Cycle Delay | 4 minutes | 15 seconds |
| Blower Off Delay | 30 seconds | 2 seconds |
| Start-Up Bypass - Low Pressure | 2 minutes | 30 seconds |
| Fault Recognition Delay - Low Pressure | 30 seconds | 30 seconds |
| Start-Up Bypass - Low Water/Air Coil Limit | 2 minutes | 30 seconds |
| Fault Recognition Delay - Low Water/Air Coil Limit | 30 seconds | 30 seconds |
| Fault Recognition Delay - Condensate Overflow | 30 seconds | 30 seconds |
| Thermostat Call Recognition Time | 2 seconds | 2 seconds |
| Auxiliary Heat Staging Delay | 5 minutes | 20 seconds |
| Emergency Heat Staging Delay | 2 minutes | 7.5 seconds |
| Water Valve Slow Open Delay | 90 seconds | 90 seconds |
| Reheat Delay | 30 seconds | 30 seconds |

Aurora LED Flash Codes

| Flash Code | 1 second on and 1 second off | 100 milliseconds on and 100 milliseconds off | 100 milliseconds on and 400 milliseconds off with a 2 second pause before repeating |
|------------------------------------|----------------------------------|--|---|
| Fast Flash | 1 second on and 1 second off | 100 milliseconds on and 100 milliseconds off | 100 milliseconds on and 400 milliseconds off with a 2 second pause before repeating |
| Flash Code | 1 second on and 1 second off | 100 milliseconds on and 100 milliseconds off | 100 milliseconds on and 400 milliseconds off with a 2 second pause before repeating |
| Random Start Delay | Status LED (LED3, Green) | Fast Flash | |
| Configuration LED (LED2, Yellow) | Fast Flash | | |
| Fault LED (LED1, Red) | Fast Flash | | |
| Status LED (LED3, Green) | Configuration LED (LED2, Yellow) | Fault LED (LED1, Red) | |
| Normal Mode | ON | No Software Override | Flash ECM Setting |
| Control is Non-Functional | OFF | DIP Switch Override | Slow Flash |
| Test Mode | Slow Flash | ECM Configure Mode | Fast Flash |
| Lockout Active | Fast Flash | Reset Configure Mode | Off |
| Dehumidification Mode | Flash Code 2 | | |
| Reserved | Flash Code 3 | | |
| Reserved | Flash Code 4 | | |
| Load Shed | Flash Code 5 | | |
| ESD | Flash Code 6 | | |
| Reserved | Flash Code 7 | | |
| Normal Mode | OFF | Normal Mode | OFF |
| Input Fault Lockout | Flash Code 1 | Input Fault Lockout | Flash Code 1 |
| High Pressure Lockout | Flash Code 2 | High Pressure Lockout | Flash Code 2 |
| Low Pressure Lockout | Flash Code 3 | Low Pressure Lockout | Flash Code 3 |
| Low Air Coil Limit Lockout - FP2 | Flash Code 4 | Low Air Coil Limit Lockout - FP2 | Flash Code 4 |
| Low Water Coil Limit Lockout - FP1 | Flash Code 5 | Low Water Coil Limit Lockout - FP1 | Flash Code 5 |
| Loss of Charge Lockout | Flash Code 6 | Loss of Charge Lockout | Flash Code 6 |
| Condensate Overflow Lockout | Flash Code 7 | Condensate Overflow Lockout | Flash Code 7 |
| Over/Under Voltage Shutdown | Flash Code 8 | Over/Under Voltage Shutdown | Flash Code 8 |
| Reserved | Flash Code 9 | Reserved | Flash Code 9 |
| Compressor Monitor Lockout | Flash Code 10 | Compressor Monitor Lockout | Flash Code 10 |
| Air/Water Coil Limit Sensor Error | Flash Code 11 | Air/Water Coil Limit Sensor Error | Flash Code 11 |

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Contractor: _____ P.O.: _____

Engineer: _____

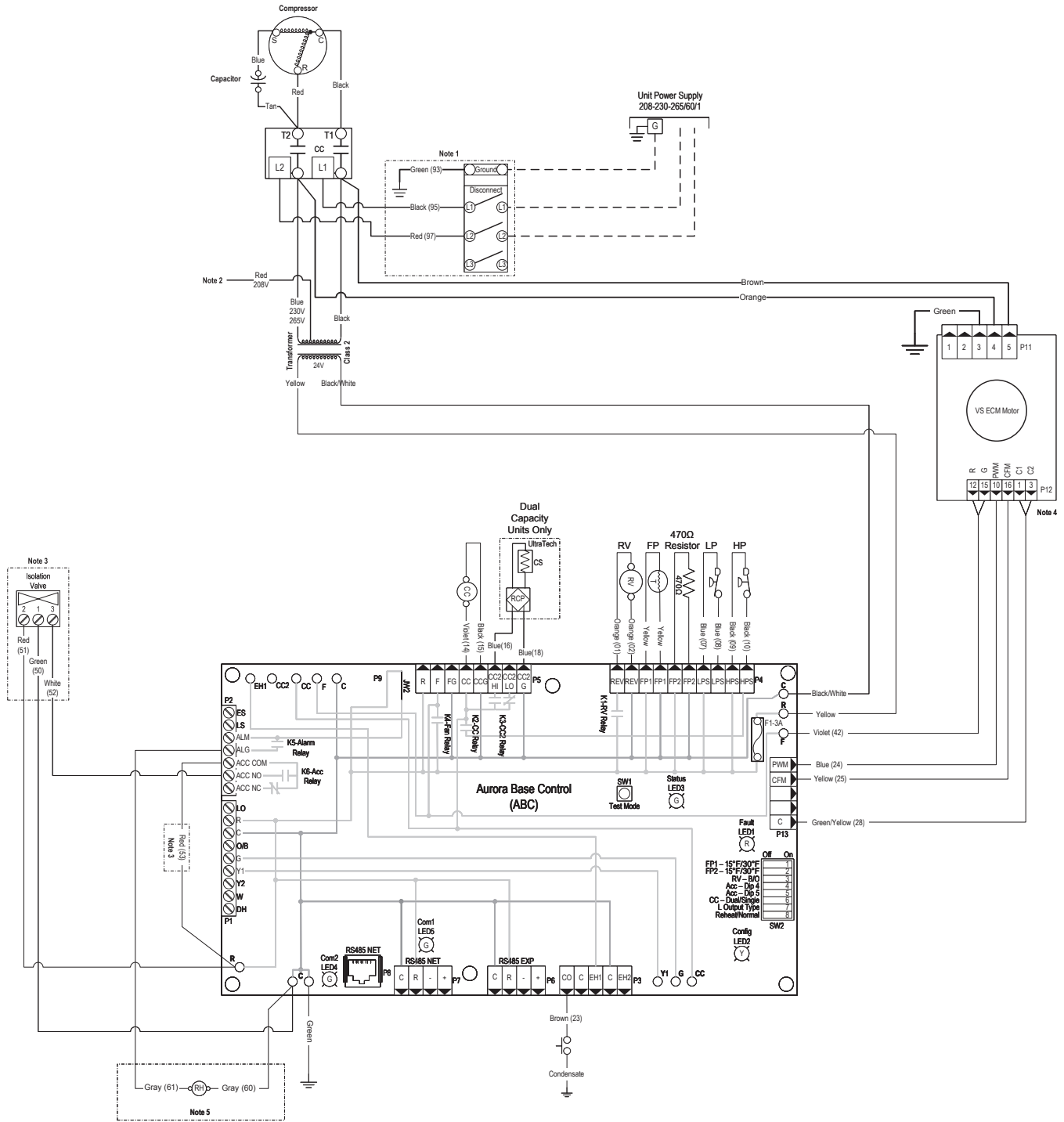
Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Wiring Schematics cont.

Commercial Aurora Base with Variable Speed ECM 208-230/60/1



WaterFurnace works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice. Please contact WaterFurnace at 1-888-929-2837 for latest design and specifications. Purchaser's approval of this data set signifies that the equipment is acceptable under the provisions of the job specification. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely WaterFurnace's opinion or commendation of its products. The latest version of this document is available at www.waterfurnace.com.

Contractor: _____ P.O.: _____

Engineer: _____

Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Wiring Schematics cont.

Commercial Aurora Base with Variable Speed ECM 208-230/60/1

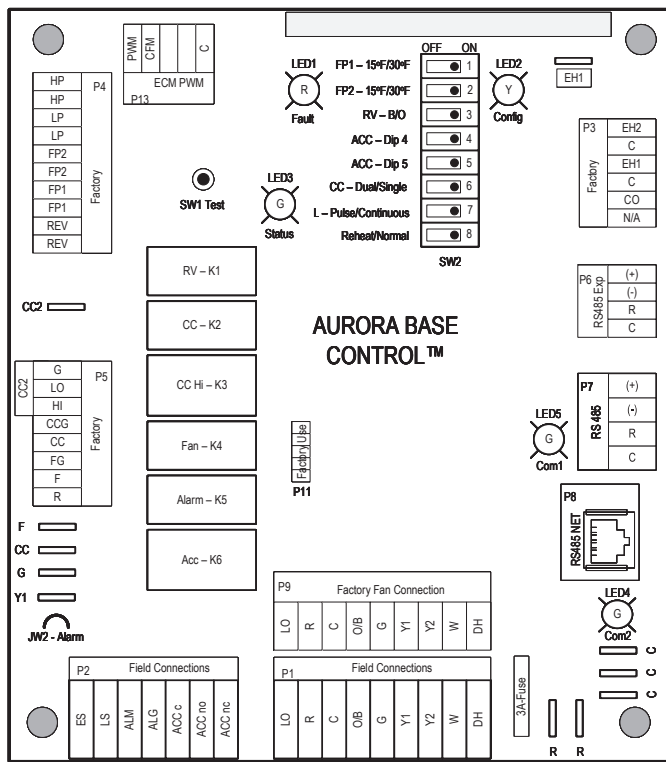
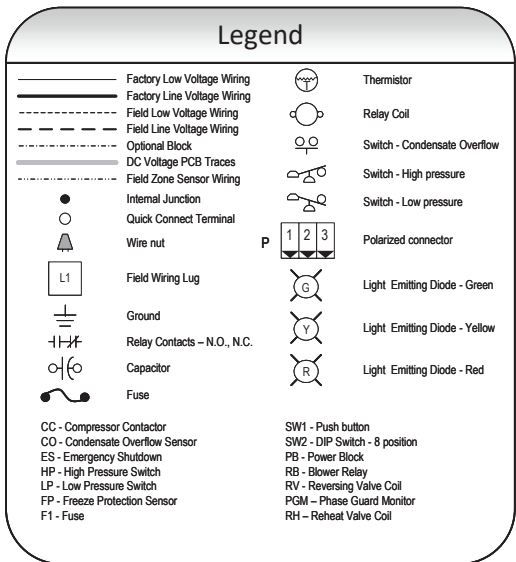
| Aurora Timing Events | | |
|--|--------------------|--------------------|
| Event | Normal Mode | Test Mode |
| Random Start Delay | 5 to 80 seconds | 1 second |
| Compressor On Delay | 5 seconds | < 1 second |
| Compressor Minimum On Time | 2 minutes | 5 seconds |
| Compressor Short Cycle Delay | 4 minutes | 15 seconds |
| Blower Off Delay | 30 seconds | 2 seconds |
| Fault Recognition Delay - High Pressure | Less than 1 second | Less than 1 second |
| Start-Up Bypass - Low Pressure | 2 minutes | 30 seconds |
| Fault Recognition Delay - Low Pressure | 30 seconds | 30 seconds |
| Start-Up Bypass - Low Water/Air Coil Limit | 2 minutes | 30 seconds |
| Fault Recognition Delay - Low Water/Air Coil Limit | 30 seconds | 30 seconds |
| Fault Recognition Delay - Condensate Overflow | 30 seconds | 30 seconds |
| Thermostat Call Recognition Time | 2 seconds | 2 seconds |
| Auxiliary Heat Staging Delay | 5 minutes | 20 seconds |
| Emergency Heat Staging Delay | 2 minutes | 7.5 seconds |
| Water Valve Slow Open Delay | 90 seconds | 90 seconds |
| Reheat Delay | 30 seconds | 30 seconds |

| Accessory Relay | | |
|-----------------------|-------|-------|
| Operation | SW2-4 | SW2-5 |
| Cycle with Blower | On | On |
| Cycle with Compressor | Off | Off |
| Water Valve Slow Open | On | Off |
| Outdoor Air Damper | Off | On |

| Aurora LED Flash Codes | | | | | |
|----------------------------------|---|----------------------------------|-------------------|------------------------------------|---------------|
| Slow Flash | 1 second on and 1 second off | | | | |
| Fast Flash | 100 milliseconds on and 100 milliseconds off | | | | |
| Flash Code | 100 milliseconds on and 400 milliseconds off with a 2 second pause before repeating | | | | |
| Random Start Delay | | | | | |
| Status LED (LED3, Green) | Fast Flash | | | | |
| Configuration LED (LED2, Yellow) | Fast Flash | | | | |
| Fault LED (LED1, Red) | Fast Flash | | | | |
| Status LED (LED3, Green) | | Configuration LED (LED2, Yellow) | | Fault LED (LED1, Red) | |
| Normal Mode | ON | No Software Override | Flash ECM Setting | Normal Mode | OFF |
| Control is Non-Functional | OFF | DIP Switch Override | Slow Flash | Input Fault Lockout | Flash Code 1 |
| Test Mode | Slow Flash | ECM Configure Mode | Fast Flash | High Pressure Lockout | Flash Code 2 |
| Lockout Active | Fast Flash | Reset Configure Mode | Off | Low Pressure Lockout | Flash Code 3 |
| Dehumidification Mode | Flash Code 2 | | | Low Air Coil Limit Lockout - FP2 | Flash Code 4 |
| Reserved | Flash Code 3 | | | Low Water Coil Limit Lockout - FP1 | Flash Code 5 |
| Reserved | Flash Code 4 | | | Loss of Charge Lockout | Flash Code 6 |
| Load Shed | Flash Code 5 | | | Condensate Overflow Lockout | Flash Code 7 |
| ESD | Flash Code 6 | | | Over/Under Voltage Shutdown | Flash Code 8 |
| Reserved | Flash Code 7 | | | Reserved | Flash Code 9 |
| | | | | Compressor Monitor Lockout | Flash Code 10 |
| | | | | Air/Water Coil Limit Sensor Error | Flash Code 11 |

Notes

- Optional, factory installed unit mounted disconnect.
- Swap blue and red leads for 208V operation.
- Optional, factory installed internal isolation valve.
- On units with a Perfect Speed 1 hp VS ECM blower motor, the blower's low voltage harness from the board with the P12 connector will connect to a jumper harness that is connected to the blower motor.
- Optional, factory installed hot gas reheat.



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Contractor: _____ P.O.: _____

Engineer: _____

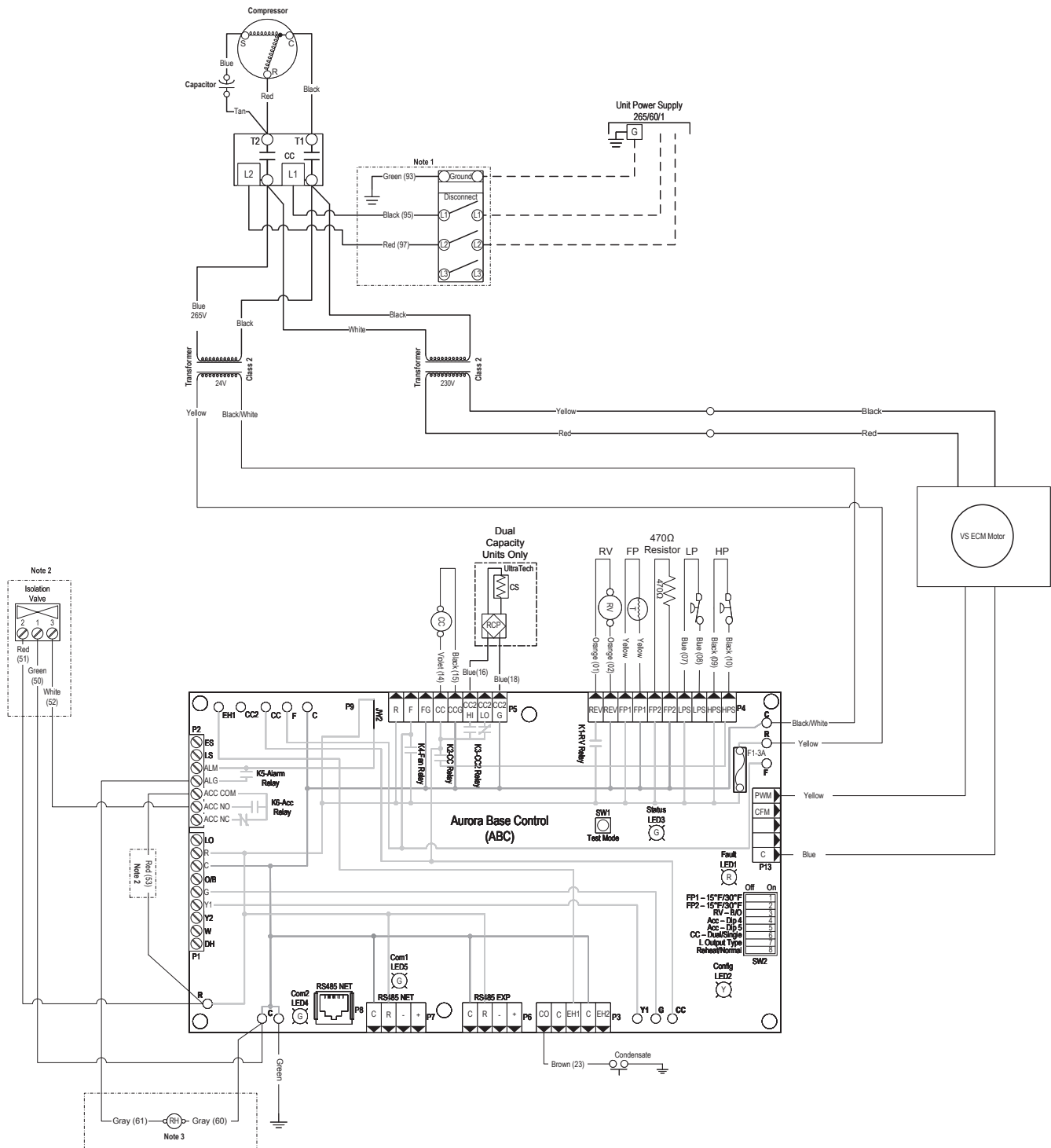
Project Name: _____ Unit Tag: _____

**Versatec 500 - Formerly Envision² Compact
Commercial 0.75-6 Tons 60Hz**



Wiring Schematics cont.

Commercial Aurora Base with Variable Speed ECM - 265/201/1



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Contractor: _____ P.O.: _____
 Engineer: _____
 Project Name: _____ Unit Tag: _____



Wiring Schematics cont.

Commercial Aurora Base with Variable Speed ECM - 265/201/1

| Aurora Timing Events | | |
|--|--------------------|--------------------|
| Event | Normal Mode | Test Mode |
| Random Start Delay | 5 to 80 seconds | 1 second |
| Compressor On Delay | 5 seconds | < 1 second |
| Compressor Minimum On Time | 2 minutes | 5 seconds |
| Compressor Short Cycle Delay | 4 minutes | 15 seconds |
| Blower Off Delay | 30 seconds | 2 seconds |
| Fault Recognition Delay - High Pressure | Less than 1 second | Less than 1 second |
| Start-Up Bypass - Low Pressure | 2 minutes | 30 seconds |
| Fault Recognition Delay - Low Pressure | 30 seconds | 30 seconds |
| Start-Up Bypass - Low Water/Air Coil Limit | 2 minutes | 30 seconds |
| Fault Recognition Delay - Low Water/Air Coil Limit | 30 seconds | 30 seconds |
| Fault Recognition Delay - Condensate Overflow | 30 seconds | 30 seconds |
| Thermostat Call Recognition Time | 2 seconds | 2 seconds |
| Auxiliary Heat Staging Delay | 5 minutes | 20 seconds |
| Emergency Heat Staging Delay | 2 minutes | 7.5 seconds |
| Water Valve Slow Open Delay | 90 seconds | 90 seconds |
| Reheat Delay | 30 seconds | 30 seconds |

| Accessory Relay | | |
|-----------------------|-------|-------|
| Operation | SW2-4 | SW2-5 |
| Cycles with Blower | On | On |
| Cycle with Compressor | Off | Off |
| Water Valve Slow Open | On | Off |
| Outdoor Air Damper | Off | On |

| Aurora LED Flash Codes | | | | | |
|----------------------------------|---|-----------------------|-------------------|------------------------------------|---------------|
| Slow Flash | 1 second on and 1 second off | | | | |
| Fast Flash | 100 milliseconds on and 100 milliseconds off | | | | |
| Flash Code | 100 milliseconds on and 400 milliseconds off with a 2 second pause before repeating | | | | |
| Random Start Delay | | | | | |
| Status LED (LED3, Green) | Fast Flash | | | | |
| Configuration LED (LED2, Yellow) | Fast Flash | | | | |
| Fault LED (LED1, Red) | Fast Flash | | | | |
| Status LED (LED3, Green) | Configuration LED (LED2, Yellow) | Fault LED (LED1, Red) | | | |
| Normal Mode | ON | No Software Override | Flash ECM Setting | Normal Mode | OFF |
| Control is Non-Functional | OFF | DIP Switch Override | Slow Flash | Input Fault Lockout | Flash Code 1 |
| Test Mode | Slow Flash | ECM Configure Mode | Fast Flash | High Pressure Lockout | Flash Code 2 |
| Lockout Active | Fast Flash | Reset Configure Mode | Off | Low Pressure Lockout | Flash Code 3 |
| Dehumidification Mode | Flash Code 2 | | | Low Air Coil Limit Lockout - FP2 | Flash Code 4 |
| Reserved | Flash Code 3 | | | Low Water Coil Limit Lockout - FP1 | Flash Code 5 |
| Reserved | Flash Code 4 | | | Loss of Charge Lockout | Flash Code 6 |
| Load Shed | Flash Code 5 | | | Condensate Overflow Lockout | Flash Code 7 |
| ESD | Flash Code 6 | | | Over/Under Voltage Shutdown | Flash Code 8 |
| Reserved | Flash Code 7 | | | Reserved | Flash Code 9 |
| | | | | Compressor Monitor Lockout | Flash Code 10 |
| | | | | Air/Water Coil Limit Sensor Error | Flash Code 11 |

Notes

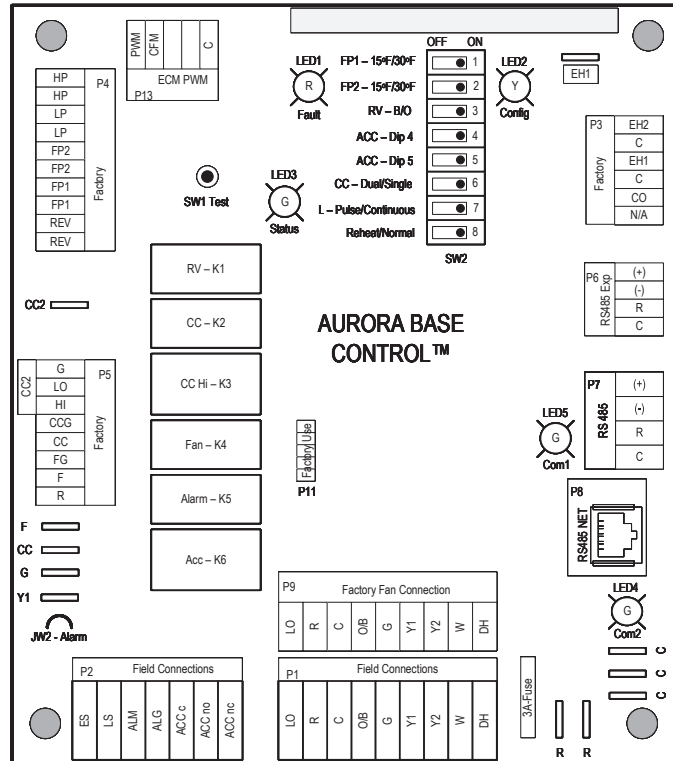
- 1 - Optional, factory installed unit mounted disconnect.
- 2 - Optional, factory installed internal isolation valve.
- 3 - Optional, factory installed reheat.

Legend

| | |
|-----------------------------|-------------------------------|
| Factory Low Voltage Wiring | Thermistor |
| Factory Line Voltage Wiring | Relay Coil |
| Field Low Voltage Wiring | Switch - Condensate Overflow |
| Field Line Voltage Wiring | Switch - High pressure |
| Optional Block | Switch - Low pressure |
| DC Voltage PCB Traces | Polarized connector |
| Field Zone Sensor Wiring | Light Emitting Diode - Green |
| Internal Junction | Light Emitting Diode - Yellow |
| Quick Connect Terminal | Light Emitting Diode - Red |
| Wire nut | |
| Field Wiring Lug | |
| Ground | |
| Relay Contacts - N.O., N.C. | |
| Capacitor | |
| Fuse | |

CC - Compressor Contactor
 CO - Condensate Overflow Sensor
 ES - Emergency Shutdown
 HP - High Pressure Switch
 LP - Low Pressure Switch
 FP - Freeze Protection Sensor
 F1 - Fuse
 LAT - Leaving Air Temperature

SW1 - Push button
 SW2 - DIP Switch - 8 position
 PB - Power Block
 RB - Blower Relay
 RV - Reversing Valve Coil
 PGM - Phase Guard Monitor
 RH - Reheat Valve Coil



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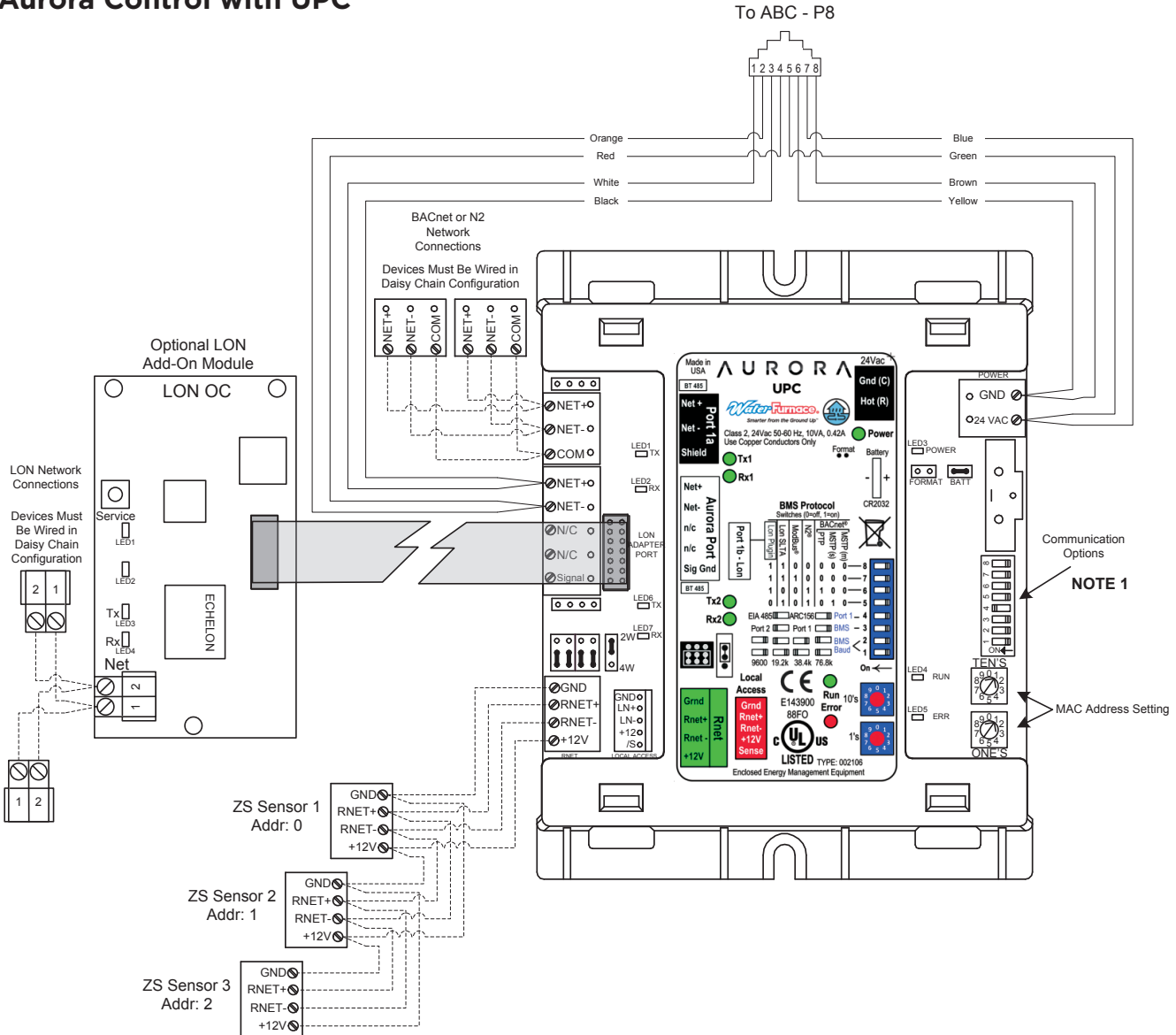
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Wiring Schematics cont.

Aurora Control with UPC



ZS Sensor Information

Zone Sensors can be wired in daisy chain as show or in a star or hybrid configuration. Maximum of 5 sensors per UPC. Maximum allowable load 210mA. See the UPC install manual for possible sensor combinations.

| DIP Switch Value | Value |
|------------------|-------|
| 1 | 1 |
| 2 | 2 |
| 4 | 4 |
| 8 | 8 |

Each ZS sensor must have a unique address, but the addresses do not need to be sequential. Use the DIP switches on the back of the ZS sensor to set an address from 0 to 4. (0 is the factory default.) Each DIP switch has the value shown in the figure to the left. Turn on as many DIP switches as you need so that their total value equals the address.

Notes

1. Use DIP Switches 5 – 8 to change communication protocol and DIP switches 1 – 2 to change BACnet baud rate

Legend

- Factory Low Voltage Wiring
- - - Field Low Voltage Wiring
- [1 2 3 4 5 6 7 8] RJ45 Connector

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Engineering Guide Specifications

General

Furnish and install WaterFurnace Water Source Heat Pumps as indicated on the plans. Equipment shall be completely assembled, piped and internally wired. Capacities and characteristics as listed in the schedule and the specifications that follow. The reverse cycle heating/cooling units shall be either suspended type with horizontal air inlet and discharge or floor mounted type with horizontal air inlet and vertical upflow air discharge. Units shall be AHRI/ISO 13256-1 certified and listed by a nationally recognized safety-testing laboratory or agency, such as ETL Testing Laboratory. Each unit shall be computer run-tested at the factory with conditioned water and operation verified to catalog data. Each unit shall be mounted on a pallet and shipped in a corrugated box or stretch-wrapped. The units shall be designed to operate with entering liquid temperature between 20°F and 120°F [-6.7°C and 48.9°C].

Casing and Cabinet

The cabinet shall be fabricated from heavy-gauge galvanized steel and finished with optional corrosion-resistant powder coating. This corrosion protection system shall meet the stringent 1000 hour salt spray test per ASTM B117. The interior shall be insulated with 1/2 in. thick, multi-density, cleanable aluminum foil coated glass fiber with edges sealed or tucked under flanges to prevent the introduction of glass fibers into the discharge air. Standard cabinet panel insulation must meet NFPA 90A requirements, air erosion and mold growth limits of UL-181, stringent fungal resistance test per ASTM-C1071 and ASTM G21, and shall meet zero level bacteria growth per ASTM G22. Unit insulation must meet these stringent requirements or unit(s) will not be accepted.

One (horizontal) to two (vertical) blower and two compressor compartment access panels shall be 'lift-out' removable with supply and return ductwork in place.

A duct collar shall be provided on the supply air opening. Standard size 1 in. [2.54 cm] MERV 4 filters shall be provided with each unit. Units shall have a return air filter rack that is field convertible from 1 in. [2.54 cm] to 2 in. [5.1 cm]. The units shall have an insulated divider panel between the air handling section and the compressor section to minimize the transmission of compressor noise. Vertical units shall be supplied with left or right horizontal air inlet and top vertical air discharge. Horizontal units shall be supplied with left or right air inlet and side or end air discharge.

The compressor shall be double isolation mounted using selected durometer grommets to provide vibration free compressor mounting. The compressor mounting bracket shall be acoustically deadened galvanized steel to prevent vibration transmission to the cabinet.

Option: AlpinePure MERV 13 filter - A 2 in. thick [51 mm] MERV 13 filter can help fulfill a credit under the LEED Rating System. Its low initial resistance promotes low energy consumption (0.21 in. w.g. @ 300 fpm) and provides nearly twice the life of a standard filter (300 fpm vs. standard 500 fpm application).

Option: A Super Quiet Sound package shall include multi-density full coverage compressor blanket.

Option: An internally mounted low pressure drop (high Cv) water solenoid valve shall be factory installed for use in variable speed pumping applications.

Option: An internally mounted automatic flow regulator shall be set to 3 gpm/ton to deliver optimal flow to the unit.

Refrigerant Circuit

All units shall utilize the non-ozone depleting and low global warming potential refrigerant R-410A. All units shall contain a sealed refrigerant circuit including a hermetic motor-compressor, bidirectional thermostatic expansion valve, finned tube air-to-refrigerant heat exchanger, reversing valve, coaxial tube water-to-refrigerant heat exchanger, optional hot water generator coil, and service ports.

Compressors shall be high-efficiency single speed rotary or scroll type designed for heat pump duty and mounted on vibration isolators. The compressor shall be double isolation mounted using selected durometer grommets to provide vibration free compressor mounting.

Option: AlumiSeal electro-coated air coil.

The coaxial water-to-refrigerant heat exchanger shall be designed for low water pressure drop and constructed of a convoluted copper (cupronickel option) inner tube and a steel outer tube. Refrigerant to air heat exchangers shall utilize enhanced corrugated lanced aluminum fins and rifled aluminum tube construction rated to withstand 600 psig (4135 kPa) refrigerant working pressure. Refrigerant to water heat exchangers shall be of copper inner water tube and steel refrigerant outer tube design, rated to withstand 600 psig (4135 kPa) working refrigerant pressure and 450 psig (3101 kPa) working water pressure.

The thermostatic expansion valve shall provide proper superheat over the entire liquid temperature range with minimal "hunting." The valve shall operate bidirectionally without the use of check valves.

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Engineering Guide Specifications cont.

Option: Cupronickel refrigerant to water heat exchanger shall be of copper-nickel inner water tube and steel refrigerant outer tube design, rated to withstand 600 psig (4135 kPa) working refrigerant pressure and 450 psig (3101 kPa) working water pressure. Water lines shall also be of cupronickel construction.

Option: Hot water generator - Internal double wall vented hot water generator coil refrigerant to water heat exchangers shall be of copper inner water tube and steel refrigerant outer tube design, rated to withstand 600 psig (4135 kPa) working refrigerant pressure and 450 psig (3101 kPa) working water pressure.

Option: ThermaShield coated water-to-refrigerant heat exchanger, water lines and refrigerant suction lines shall be insulated to prevent condensation at low liquid temperatures below 50°F.

Option: AlpinePure hot gas bypass

Option: AlpinePure hot gas reheat

Blower Motor and Assembly

The blower shall be a direct drive centrifugal type with a dynamically balanced wheel. The housing and wheel shall be designed for quiet low outlet velocity operation. The blower housing shall be removable from the unit without disconnecting the supply air ductwork for servicing of the blower motor. The blower motor shall be isolated from the housing by rubber grommets. The motor shall be permanently lubricated and have thermostatic overload protection.

Option: PSC blower motor shall be a three-speed PSC type.

Option: 5-Speed ECM blower motor shall be a 5-speed ECM type. The 5-speed ECM blower motor shall be soft starting, shall maintain constant torque over its operating static range, and shall provide 5 speed settings. The blower motor shall be isolated from the housing by rubber grommets. The motor shall be permanently lubricated and have thermostatic overload protection. 5-speed ECM motors shall be long-life ball bearing type.

Option: Variable speed ECM blower motor shall be a variable speed ECM type. The variable speed ECM blower motor shall be soft starting, shall maintain constant cfm over its operating static range, and shall provide 12 cfm settings. Variable speed ECM motors shall be long-life ball bearing type.

Option: High static blower motors shall be available on certain PSC and variable speed ECM models.

Electrical

A control box shall be located within the unit compressor compartment and shall contain a 50VA or 75VA transformer, 24 volt activated, 2 pole compressor contactor, terminal block for thermostat wiring and solid-state controller for complete unit operation. Electromechanical operation WILL NOT be accepted. Units shall be name-plated for use with time delay fuses or HACR circuit breakers. Unit controls shall be 24 volt and provide heating or cooling as required by the remote thermostat/sensor.

An Aurora microprocessor-based controller that interfaces with a multi-stage electronic thermostat to monitor and control unit operation shall be provided. The control shall provide operational sequencing, blower speed control, high and low pressure switch monitoring, freeze detection, condensate overflow sensing, lockout mode control, LED status and fault indicators, fault memory, field selectable options and accessory output. The control shall provide fault retry three times before locking out to limit nuisance trips.

A detachable terminal block with screw terminals will be provided for field control wiring. All units shall have knockouts for entrance of low and line voltage wiring. The blower motor and control box shall be harness plug wired for easy removal.

Option: An Aurora Unitary Protocol Converter (UPC) shall be included that communicates directly with the Aurora Heat Pump Controls and allows access/control of a variety of internal Aurora heat pump operations such as sensors, relay operation, faults and other information. In turn, the UPC shall convert the internal Aurora Modbus protocol to BACnet MS/TP, or N2 protocols for communication over a BAS system. Additional individual unit configuration items such as ECM fan speeds or freeze protection settings shall be directly available over the BAS without the need for access to the actual heat pump.

Option: Aurora UPC DDC communication protocols: LonWorks

Option: IntelliStart[®] (compressor soft starter) shall be factory installed for use in applications that require low starting amps, reduced compressor start-up noise, off-grid, and improved start-up behavior. IntelliStart shall reduce normal starting current up to 60%.

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Engineering Guide Specifications cont.

Piping

Supply and return water connections shall be FPT copper fittings fixed to the corner post, which eliminate the need for backup pipe wrenches.

With vertical units, the condensate connection shall be a 3/4 in. [19.1 mm] PVC socket with internally-trapped hose that can be routed to front or side corner post locations.

Hanger Kit

(included with horizontal units only - field installed)
The hanger kit shall consist of galvanized steel brackets, bolts, lock washers, and isolators and shall be designed to fasten to the unit bottom panel for suspension from 3/8 in. threaded rods. Unit sizes 009-060 shall require four brackets and unit sizes 070-072 shall require five brackets. Brackets shall not inhibit filter removal in any way.

Accessories

Thermostat (field-installed)

A multi-stage auto-changeover electronic digital thermostat shall be provided. The thermostat shall offer two heating stages and one cooling stage with precise temperature control. An OFF-HEAT-AUTO-COOL-EMERG system switch, OFF-AUTO blower switch, and indicating LEDs shall be provided. The thermostat shall display in °F or °C.

Hose Kits - Ball Valves (field-installed)

A flexible steel braid hose featuring Kevlar[®] reinforced EPDM core with ANSI 302/304 stainless steel outer braid and fire rated materials per ASTM E 84-00 (NFPA 255, ANSI/UL 723 & UBC 8-1). Ball valve at one end; swivel connector with adapter at the other end (swivel to adapter connection via fiber or EPDM gasket). Swivel connection provides union between heat pump and piping system. The hoses feature brass fittings, stainless steel ferrules. A full port ball valve shall be provided with integral P/T (pressure/temperature) port on supply hose.

Specifications:

- Temperature range of 35°F [2°C] to 180°F [82°C].
- Max. working pressure of 400 psi [2757 kPa] for 1/2 in. and 3/4 in. hose kits; max. working pressure of 350 psi [kPa] for 1 in. and 1-1/4 in. hose kits.

Hose Kits - Automatic Balancing and Ball Valves (field-installed)

A flexible steel braid hose featuring Kevlar[®] reinforced EPDM core with ANSI 302/304 stainless steel outer braid and fire rated materials per ASTM E 84-00 (NFPA 255, ANSI/UL 723 & UBC 8-1). Ball valve at one end; swivel connector with adapter at the other end (swivel to adapter connection via fiber or EPDM gasket). Swivel connection provides union between heat pump and piping system. The hoses feature brass fittings, stainless steel ferrules. A full port ball valve shall be provided with integral P/T (pressure/temperature) port on supply hose and automatic balancing valve with integral P/T ports and full port ball valve on return hose.

Specifications:

- Temperature range of 35°F [2°C] to 180°F [82°C]
- Max. working pressure of 400 psi [2757 kPa] for 1/2 in. and 3/4 in. hose kits; max. working pressure of 350 psi [2413 kPa] for 1 in. and 1-1/4 in. hose kits
- Minimum burst pressure of four times working pressure

Hose Kits - Automatic Balancing and Ball Valves with 'Y' strainer (field-installed)

A flexible steel braid hose featuring Kevlar[®] reinforced EPDM core with ANSI 302/304 stainless steel outer braid and fire rated materials per ASTM E 84-00 (NFPA 255, ANSI/UL 723 & UBC 8-1). Ball valve at one end; swivel connector with adapter at the other end (swivel to adapter connection via fiber or EPDM gasket). Swivel connection provides union between heat pump and piping system. The hoses feature brass fittings, stainless steel ferrules. A "y" strainer is provided on one end for fluid straining and integral "blowdown" valve. A full port ball valve shall be provided with integral P/T (pressure/temperature) port on supply hose and automatic balancing valve with integral P/T ports and full port ball valve on return hose.

Specifications:

- Temperature range of 35°F [2°C] to 180°F [82°C]
- Max. working pressure of 400 psi [2756 kPa] for 1/2 in. and 3/4 in. hose kits; max. working pressure of 350 psi [2413 kPa] for 1 in. and 1-1/4 in. hose kits
- Minimum burst pressure of four times working pressure

Hot Water Pump Kit (field-installed)

An accessory pump kit is available for hot water generation option. This kit includes hot water pump, fittings, and water heater kit necessary for potable water application. Order DPK5 for use with Aurora and FX10 controls.

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Revision Guide

| Pages: | Description: | Date: | By: |
|-----------|--|--------------|-----|
| Cover | Naming Update | 10 Jan 2022 | JM |
| Misc. | Add 5-Speed ECM | 20 Apr 2019 | JM |
| 17 | Updated Dual Capacity Blower Performance Data (ECO15072303) | 30 July 2015 | MA |
| 2, 28, 37 | Updated Nomenclature (Added Waterside Economizer Option), Updated O24 Performance Data | 18 May 2015 | MA |
| All | Updated with All-Aluminum Air Coils and Aurora UPC DDC | 19 May 2014 | DS |
| 12-14 | Updated Compressor LRA with IntelliStart | 02 Aug 2013 | DS |
| All | Updated Nomenclature to Reflect New Variable Speed ECM Motor | 08 Jan 2013 | DS |
| All | Added IntelliStart Availability for 3-Phase Units | 08 Jan 2013 | DS |
| 55 | Replaced Wiring Diagram with Reheat Version | 08 Jan 2013 | DS |
| 60 | Added Revision Guide | 08 Jan 2013 | DS |

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