

COMPRESSOR DEFINITION

| | |
|---------------------------|------------------------|
| Designation | VES G7C |
| Nominal Voltage/Frequency | 230 V 32-150 Hz |
| Engineering Number | 513907489 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|------------------------------------|---|-----------------------------------|-----------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-600a | | |
| 3 Nominal voltage and frequency | 230 / 32-150 | [V / Hz] | |
| 4 Application type | Low-Medium Back Pressure (Fullmotion Compressors) | | |
| 4.1 Evaporating temperature range | -35°C to 0°C | (-31°F to 32°F) | |
| 5 Motor type | BPM | | |
| 6 Starting torque | LST - Low Starting Torque | | |
| 7 Expansion device | Capillary tube | | |
| 8 Compressor cooling | Operating voltage range | | |
| | | 50 Hz | 60 Hz |
| 8.1 LBP (32°C Ambient temperature) | - | - | - |
| 8.2 LBP (43°C Ambient temperature) | - | - | - |
| 8.3 HBP (32°C Ambient temperature) | - | - | - |
| 8.4 HBP (43°C Ambient temperature) | - | - | - |
| 9 Maximum condensing temperature | | | |
| 9.1 Operating | 6.9 | [kgf/cm ²] (98 psig) | / °C - °F |
| 9.2 Peak | 7.8 | [kgf/cm ²] (111 psig) | / °C - °F |
| 10 Maximum winding temperature | 130 | [°C] | |

B - MECHANICAL DATA

| | | |
|-------------------------------|----------------|----------------------------------|
| 1 Commercial designation | 1/5 | [hp] |
| 2 Displacement | 7.23 | [cm ³] (0.441 cu.in) |
| 2.1 Bore [mm] | 24.000 | |
| 2.2 Stroke [mm] | 16.000 | |
| 3 Lubricant charge | 205 | [ml] (6.93 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ALQUILB / ISO5 | |
| 4 Weight (with oil charge) | 6.2 | [kg] (13.67 lb.) |
| 5 Nitrogen charge | - | [kgf/cm ²] |

C - ELECTRICAL DATA

| | | |
|--|------------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 31.7-150 Hz 3~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | CF01F22 M | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | CF01F12 M 0.0 XX F X | |
| 6 Start winding resistance | 15.60 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 15.60 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (32/150 Hz) | 2.10 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (32/150 Hz) | - | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (32/150 Hz) | - | [A] - Measured according to UL 984 |
| 11 Approval boards certification | VDE | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|--|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|
| TEST CONDITIONS: @220V950RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 135 | 34 | 39 | 20 | 0.19 | 0.42 | 6.66 | 1.68 | 1.95 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|
| TEST CONDITIONS: @220V1300RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 181 | 46 | 53 | 27 | 0.25 | 0.57 | 6.83 | 1.72 | 2.00 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|
| TEST CONDITIONS: @220V1600RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 229 | 58 | 67 | 33 | 0.27 | 0.72 | 6.86 | 1.73 | 2.01 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|
| TEST CONDITIONS: @220V2000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 283 | 71 | 83 | 42 | 0.35 | 0.89 | 6.82 | 1.72 | 2.00 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|
| TEST CONDITIONS: @220V3000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 416 | 105 | 122 | 62 | 0.50 | 1.31 | 6.72 | 1.69 | 1.97 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|----------------------------|---|--------------------------------|--|-------|
| TEST CONDITIONS: @220V4000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 563 | 142 | 165 | 86 | 0.67 | 1.77 | 6.52 | 1.64 | 1.91 |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|----------------------------------|----------|-----|-----------------------|------------------|--|----------------------|--|-------|
| TEST CONDITIONS: @220V4500RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity (Qe) | | | Input power (We) | Electric current | Mass flow rate | Efficiency EER & COP | | |
| +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 611 | 154 | 179 | 94 | 0.68 | 1.92 | 6.52 | 1.64 | 1.91 |

E - PERFORMANCE - CURVES

| | | | | | | | | | | |
|---------------------------------|-------|-----------------------|--------------------|-----|---------------------------------------|------------------|----------------|----------------------|-----------|-------|
| TEST CONDITIONS: @220V950RPM | | | ASHRAE32 Static | | (Condensing temperature 35°C (+95°F)) | | | | | |
| Evaporating temperature | | Cooling capacity (Qe) | | | Input power (We) | Electric current | Mass flow rate | Efficiency EER & COP | | |
| | | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 81 | 20 | 24 | 13 | 0.13 | 0.25 | 6.49 | 1.63 | 1.90 |
| -30 | (-22) | 109 | 27 | 32 | 15 | 0.15 | 0.34 | 7.40 | 1.87 | 2.17 |
| -25 | (-13) | 142 | 36 | 42 | 17 | 0.16 | 0.45 | 8.44 | 2.13 | 2.47 |
| -20 | (- 4) | 182 | 46 | 53 | 19 | 0.18 | 0.57 | 9.63 | 2.43 | 2.82 |
| -15 | (+ 5) | 230 | 58 | 67 | 21 | 0.19 | 0.72 | 11.03 | 2.78 | 3.23 |
| -10 | (+14) | 287 | 72 | 84 | 23 | 0.20 | 0.91 | 12.67 | 3.19 | 3.71 |
| -5 | (+23) | 354 | 89 | 104 | 24 | 0.21 | 1.12 | 14.60 | 3.68 | 4.28 |
| 0 | (+32) | 433 | 109 | 127 | 26 | 0.22 | 1.37 | 16.87 | 4.25 | 4.94 |

| | | | | | | | | | | |
|---------------------------------|-------|-----------------------|--------------------|-----|--|------------------|----------------|----------------------|-----------|-------|
| TEST CONDITIONS: @220V950RPM | | | ASHRAE32 Static | | (Condensing temperature 45°C (+113°F)) | | | | | |
| Evaporating temperature | | Cooling capacity (Qe) | | | Input power (We) | Electric current | Mass flow rate | Efficiency EER & COP | | |
| | | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 73 | 18 | 21 | 13 | 0.12 | 0.23 | 5.82 | 1.47 | 1.71 |
| -30 | (-22) | 101 | 25 | 30 | 15 | 0.15 | 0.32 | 6.57 | 1.66 | 1.92 |
| -25 | (-13) | 134 | 34 | 39 | 18 | 0.17 | 0.42 | 7.38 | 1.86 | 2.16 |
| -20 | (- 4) | 174 | 44 | 51 | 21 | 0.19 | 0.55 | 8.29 | 2.09 | 2.43 |
| -15 | (+ 5) | 222 | 56 | 65 | 24 | 0.21 | 0.70 | 9.35 | 2.36 | 2.74 |
| -10 | (+14) | 278 | 70 | 82 | 26 | 0.23 | 0.88 | 10.61 | 2.67 | 3.11 |
| -5 | (+23) | 345 | 87 | 101 | 29 | 0.24 | 1.09 | 12.09 | 3.05 | 3.54 |
| 0 | (+32) | 422 | 106 | 124 | 31 | 0.25 | 1.34 | 13.85 | 3.49 | 4.06 |

| | | | | | | | | | | |
|---------------------------------|-------|-----------------------|--------------------|-----|--|------------------|----------------|----------------------|-----------|-------|
| TEST CONDITIONS: @220V950RPM | | | ASHRAE32 Static | | (Condensing temperature 55°C (+131°F)) | | | | | |
| Evaporating temperature | | Cooling capacity (Qe) | | | Input power (We) | Electric current | Mass flow rate | Efficiency EER & COP | | |
| | | +/- 5% | | | +/- 5% | +/- 5% | +/- 5% | +/- 7% | | |
| °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 | (-31) | 59 | 15 | 17 | 12 | 0.11 | 0.19 | 5.04 | 1.27 | 1.48 |
| -30 | (-22) | 88 | 22 | 26 | 15 | 0.15 | 0.27 | 5.72 | 1.44 | 1.68 |
| -25 | (-13) | 121 | 30 | 35 | 19 | 0.18 | 0.38 | 6.40 | 1.61 | 1.88 |
| -20 | (- 4) | 161 | 40 | 47 | 23 | 0.21 | 0.50 | 7.14 | 1.80 | 2.09 |
| -15 | (+ 5) | 208 | 52 | 61 | 26 | 0.23 | 0.65 | 7.96 | 2.01 | 2.33 |
| -10 | (+14) | 263 | 66 | 77 | 29 | 0.25 | 0.83 | 8.92 | 2.25 | 2.61 |
| -5 | (+23) | 329 | 83 | 96 | 33 | 0.27 | 1.04 | 10.05 | 2.53 | 2.94 |
| 0 | (+32) | 405 | 102 | 119 | 36 | 0.28 | 1.28 | 11.40 | 2.87 | 3.34 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V1300RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|--|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 112 | 28 | 33 | 17 | 0.16 | 0.35 | 6.56 | 1.65 | 1.92 |
| -30 | (-22) | 150 | 38 | 44 | 20 | 0.18 | 0.47 | 7.52 | 1.90 | 2.20 |
| -25 | (-13) | 196 | 49 | 57 | 23 | 0.20 | 0.61 | 8.58 | 2.16 | 2.51 |
| -20 | (- 4) | 250 | 63 | 73 | 26 | 0.22 | 0.79 | 9.78 | 2.46 | 2.86 |
| -15 | (+ 5) | 316 | 80 | 93 | 28 | 0.24 | 1.00 | 11.17 | 2.82 | 3.27 |
| -10 | (+14) | 394 | 99 | 116 | 31 | 0.26 | 1.24 | 12.82 | 3.23 | 3.76 |
| -5 | (+23) | 487 | 123 | 143 | 33 | 0.27 | 1.54 | 14.75 | 3.72 | 4.32 |
| 0 | (+32) | 595 | 150 | 174 | 35 | 0.28 | 1.88 | 17.04 | 4.29 | 4.99 |

| TEST CONDITIONS: @220V1300RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 101 | 26 | 30 | 17 | 0.16 | 0.32 | 5.90 | 1.49 | 1.73 |
| -30 | (-22) | 139 | 35 | 41 | 21 | 0.18 | 0.44 | 6.70 | 1.69 | 1.96 |
| -25 | (-13) | 185 | 47 | 54 | 24 | 0.21 | 0.58 | 7.55 | 1.90 | 2.21 |
| -20 | (- 4) | 239 | 60 | 70 | 28 | 0.24 | 0.75 | 8.48 | 2.14 | 2.49 |
| -15 | (+ 5) | 304 | 77 | 89 | 32 | 0.26 | 0.96 | 9.56 | 2.41 | 2.80 |
| -10 | (+14) | 382 | 96 | 112 | 35 | 0.29 | 1.20 | 10.82 | 2.73 | 3.17 |
| -5 | (+23) | 473 | 119 | 139 | 38 | 0.31 | 1.50 | 12.33 | 3.11 | 3.61 |
| 0 | (+32) | 579 | 146 | 170 | 41 | 0.33 | 1.84 | 14.12 | 3.56 | 4.14 |

| TEST CONDITIONS: @220V1300RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 85 | 21 | 25 | 16 | 0.15 | 0.26 | 5.11 | 1.29 | 1.50 |
| -30 | (-22) | 122 | 31 | 36 | 21 | 0.18 | 0.38 | 5.86 | 1.48 | 1.72 |
| -25 | (-13) | 168 | 42 | 49 | 26 | 0.22 | 0.53 | 6.59 | 1.66 | 1.93 |
| -20 | (- 4) | 222 | 56 | 65 | 30 | 0.25 | 0.70 | 7.36 | 1.86 | 2.16 |
| -15 | (+ 5) | 286 | 72 | 84 | 35 | 0.29 | 0.90 | 8.21 | 2.07 | 2.41 |
| -10 | (+14) | 362 | 91 | 106 | 39 | 0.32 | 1.14 | 9.20 | 2.32 | 2.70 |
| -5 | (+23) | 452 | 114 | 132 | 44 | 0.35 | 1.43 | 10.37 | 2.61 | 3.04 |
| 0 | (+32) | 557 | 140 | 163 | 48 | 0.38 | 1.77 | 11.77 | 2.97 | 3.45 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V1600RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|--|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 139 | 35 | 41 | 21 | 0.18 | 0.43 | 6.57 | 1.65 | 1.92 |
| -30 | (-22) | 185 | 47 | 54 | 24 | 0.21 | 0.58 | 7.54 | 1.90 | 2.21 |
| -25 | (-13) | 241 | 61 | 71 | 28 | 0.23 | 0.76 | 8.60 | 2.17 | 2.52 |
| -20 | (- 4) | 308 | 78 | 90 | 31 | 0.26 | 0.97 | 9.80 | 2.47 | 2.87 |
| -15 | (+ 5) | 389 | 98 | 114 | 35 | 0.28 | 1.22 | 11.19 | 2.82 | 3.28 |
| -10 | (+14) | 486 | 122 | 142 | 38 | 0.30 | 1.53 | 12.83 | 3.23 | 3.76 |
| -5 | (+23) | 599 | 151 | 176 | 41 | 0.32 | 1.89 | 14.76 | 3.72 | 4.33 |
| 0 | (+32) | 732 | 185 | 215 | 43 | 0.34 | 2.32 | 17.05 | 4.30 | 5.00 |

| TEST CONDITIONS: @220V1600RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 126 | 32 | 37 | 21 | 0.18 | 0.39 | 5.92 | 1.49 | 1.73 |
| -30 | (-22) | 172 | 43 | 50 | 26 | 0.21 | 0.54 | 6.75 | 1.70 | 1.98 |
| -25 | (-13) | 228 | 57 | 67 | 30 | 0.25 | 0.71 | 7.61 | 1.92 | 2.23 |
| -20 | (- 4) | 295 | 74 | 86 | 34 | 0.28 | 0.93 | 8.54 | 2.15 | 2.50 |
| -15 | (+ 5) | 375 | 94 | 110 | 39 | 0.31 | 1.18 | 9.61 | 2.42 | 2.82 |
| -10 | (+14) | 470 | 118 | 138 | 43 | 0.34 | 1.48 | 10.87 | 2.74 | 3.19 |
| -5 | (+23) | 582 | 147 | 171 | 47 | 0.37 | 1.84 | 12.37 | 3.12 | 3.62 |
| 0 | (+32) | 713 | 180 | 209 | 51 | 0.39 | 2.26 | 14.16 | 3.57 | 4.15 |

| TEST CONDITIONS: @220V1600RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 107 | 27 | 31 | 21 | 0.18 | 0.33 | 5.13 | 1.29 | 1.50 |
| -30 | (-22) | 153 | 38 | 45 | 26 | 0.22 | 0.48 | 5.93 | 1.50 | 1.74 |
| -25 | (-13) | 208 | 52 | 61 | 31 | 0.26 | 0.65 | 6.70 | 1.69 | 1.96 |
| -20 | (- 4) | 274 | 69 | 80 | 37 | 0.30 | 0.86 | 7.49 | 1.89 | 2.19 |
| -15 | (+ 5) | 353 | 89 | 103 | 42 | 0.34 | 1.11 | 8.35 | 2.10 | 2.45 |
| -10 | (+14) | 447 | 113 | 131 | 48 | 0.38 | 1.41 | 9.34 | 2.35 | 2.74 |
| -5 | (+23) | 557 | 140 | 163 | 53 | 0.41 | 1.76 | 10.51 | 2.65 | 3.08 |
| 0 | (+32) | 687 | 173 | 201 | 58 | 0.44 | 2.18 | 11.91 | 3.00 | 3.49 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|-----|----------------------------|--|--------------------------|--------------------------------|-----------|-------|------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [W] | | | | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 | (-31) | 173 | 44 | 51 | 27 | 0.22 | 0.54 | 6.51 | 1.64 | 1.91 |
| -30 | (-22) | 231 | 58 | 68 | 31 | 0.25 | 0.72 | 7.48 | 1.88 | 2.19 |
| -25 | (-13) | 300 | 76 | 88 | 35 | 0.28 | 0.94 | 8.52 | 2.15 | 2.50 |
| -20 | (- 4) | 384 | 97 | 113 | 40 | 0.31 | 1.21 | 9.70 | 2.44 | 2.84 |
| -15 | (+ 5) | 485 | 122 | 142 | 44 | 0.34 | 1.53 | 11.06 | 2.79 | 3.24 |
| -10 | (+14) | 605 | 153 | 177 | 48 | 0.37 | 1.91 | 12.66 | 3.19 | 3.71 |
| -5 | (+23) | 747 | 188 | 219 | 51 | 0.39 | 2.36 | 14.56 | 3.67 | 4.27 |
| 0 | (+32) | 913 | 230 | 268 | 54 | 0.41 | 2.90 | 16.81 | 4.24 | 4.93 |

| TEST CONDITIONS: @220V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|-----|----------------------------|---|--------------------------|--------------------------------|-----------|-------|------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [W] | | | | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 | (-31) | 158 | 40 | 46 | 27 | 0.22 | 0.50 | 5.87 | 1.48 | 1.72 |
| -30 | (-22) | 215 | 54 | 63 | 32 | 0.26 | 0.67 | 6.72 | 1.69 | 1.97 |
| -25 | (-13) | 284 | 72 | 83 | 37 | 0.30 | 0.89 | 7.58 | 1.91 | 2.22 |
| -20 | (- 4) | 367 | 92 | 108 | 43 | 0.34 | 1.15 | 8.52 | 2.15 | 2.50 |
| -15 | (+ 5) | 467 | 118 | 137 | 49 | 0.38 | 1.47 | 9.58 | 2.41 | 2.81 |
| -10 | (+14) | 585 | 147 | 172 | 54 | 0.42 | 1.85 | 10.83 | 2.73 | 3.17 |
| -5 | (+23) | 725 | 183 | 213 | 59 | 0.45 | 2.29 | 12.31 | 3.10 | 3.61 |
| 0 | (+32) | 889 | 224 | 261 | 63 | 0.48 | 2.82 | 14.09 | 3.55 | 4.13 |

| TEST CONDITIONS: @220V2000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|-----|----------------------------|---|--------------------------|--------------------------------|-----------|-------|------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [W] | | | | [Btu/Wh] | [kcal/Wh] | [W/W] | |
| -35 | (-31) | 136 | 34 | 40 | 27 | 0.22 | 0.42 | 5.11 | 1.29 | 1.50 |
| -30 | (-22) | 192 | 48 | 56 | 32 | 0.27 | 0.60 | 5.94 | 1.50 | 1.74 |
| -25 | (-13) | 260 | 66 | 76 | 39 | 0.32 | 0.82 | 6.73 | 1.69 | 1.97 |
| -20 | (- 4) | 342 | 86 | 100 | 46 | 0.37 | 1.07 | 7.53 | 1.90 | 2.21 |
| -15 | (+ 5) | 440 | 111 | 129 | 52 | 0.41 | 1.39 | 8.40 | 2.12 | 2.46 |
| -10 | (+14) | 557 | 140 | 163 | 59 | 0.46 | 1.76 | 9.39 | 2.37 | 2.75 |
| -5 | (+23) | 695 | 175 | 204 | 66 | 0.50 | 2.20 | 10.56 | 2.66 | 3.10 |
| 0 | (+32) | 857 | 216 | 251 | 72 | 0.54 | 2.72 | 11.97 | 3.02 | 3.51 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|-----|----------------------------|--|--------------------------|--------------------------------|-------|--------|----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [W] | | | | [W] | [A] | [kg/h] | [Btu/Wh] |
| -35 | (-31) | 255 | 64 | 75 | 42 | 0.33 | 0.80 | 6.12 | 1.54 | 1.79 |
| -30 | (-22) | 340 | 86 | 100 | 48 | 0.37 | 1.06 | 7.06 | 1.78 | 2.07 |
| -25 | (-13) | 443 | 112 | 130 | 55 | 0.42 | 1.39 | 8.04 | 2.03 | 2.36 |
| -20 | (- 4) | 567 | 143 | 166 | 62 | 0.47 | 1.78 | 9.13 | 2.30 | 2.67 |
| -15 | (+ 5) | 718 | 181 | 210 | 69 | 0.52 | 2.26 | 10.38 | 2.61 | 3.04 |
| -10 | (+14) | 897 | 226 | 263 | 76 | 0.56 | 2.83 | 11.85 | 2.99 | 3.47 |
| -5 | (+23) | 1108 | 279 | 325 | 81 | 0.60 | 3.50 | 13.60 | 3.43 | 3.99 |
| 0 | (+32) | 1356 | 342 | 397 | 86 | 0.63 | 4.30 | 15.70 | 3.96 | 4.60 |

| TEST CONDITIONS: @220V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|-----|----------------------------|---|--------------------------|--------------------------------|-------|--------|----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [W] | | | | [W] | [A] | [kg/h] | [Btu/Wh] |
| -35 | (-31) | 235 | 59 | 69 | 42 | 0.33 | 0.74 | 5.56 | 1.40 | 1.63 |
| -30 | (-22) | 318 | 80 | 93 | 50 | 0.38 | 1.00 | 6.41 | 1.62 | 1.88 |
| -25 | (-13) | 420 | 106 | 123 | 58 | 0.44 | 1.32 | 7.26 | 1.83 | 2.13 |
| -20 | (- 4) | 543 | 137 | 159 | 66 | 0.51 | 1.71 | 8.15 | 2.05 | 2.39 |
| -15 | (+ 5) | 691 | 174 | 202 | 75 | 0.57 | 2.17 | 9.14 | 2.30 | 2.68 |
| -10 | (+14) | 868 | 219 | 254 | 84 | 0.63 | 2.74 | 10.30 | 2.60 | 3.02 |
| -5 | (+23) | 1077 | 271 | 316 | 92 | 0.69 | 3.41 | 11.69 | 2.95 | 3.43 |
| 0 | (+32) | 1322 | 333 | 388 | 99 | 0.73 | 4.19 | 13.36 | 3.37 | 3.91 |

| TEST CONDITIONS: @220V3000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|-----|----------------------------|---|--------------------------|--------------------------------|-------|--------|----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [W] | | | | [W] | [A] | [kg/h] | [Btu/Wh] |
| -35 | (-31) | 205 | 52 | 60 | 42 | 0.33 | 0.64 | 4.85 | 1.22 | 1.42 |
| -30 | (-22) | 287 | 72 | 84 | 50 | 0.39 | 0.90 | 5.73 | 1.44 | 1.68 |
| -25 | (-13) | 386 | 97 | 113 | 59 | 0.46 | 1.21 | 6.54 | 1.65 | 1.92 |
| -20 | (- 4) | 507 | 128 | 149 | 69 | 0.53 | 1.59 | 7.34 | 1.85 | 2.15 |
| -15 | (+ 5) | 653 | 165 | 191 | 80 | 0.61 | 2.06 | 8.19 | 2.06 | 2.40 |
| -10 | (+14) | 828 | 209 | 243 | 90 | 0.68 | 2.61 | 9.14 | 2.30 | 2.68 |
| -5 | (+23) | 1035 | 261 | 303 | 101 | 0.75 | 3.27 | 10.26 | 2.59 | 3.01 |
| 0 | (+32) | 1277 | 322 | 374 | 111 | 0.81 | 4.05 | 11.61 | 2.92 | 3.40 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V3600RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|--|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 303 | 76 | 89 | 52 | 0.40 | 0.95 | 5.87 | 1.48 | 1.72 |
| -30 | (-22) | 404 | 102 | 118 | 60 | 0.45 | 1.27 | 6.76 | 1.70 | 1.98 |
| -25 | (-13) | 527 | 133 | 154 | 68 | 0.51 | 1.65 | 7.70 | 1.94 | 2.26 |
| -20 | (- 4) | 677 | 171 | 198 | 78 | 0.57 | 2.13 | 8.72 | 2.20 | 2.56 |
| -15 | (+ 5) | 857 | 216 | 251 | 87 | 0.64 | 2.70 | 9.90 | 2.50 | 2.90 |
| -10 | (+14) | 1073 | 270 | 314 | 95 | 0.70 | 3.38 | 11.29 | 2.84 | 3.31 |
| -5 | (+23) | 1327 | 334 | 389 | 103 | 0.75 | 4.20 | 12.94 | 3.26 | 3.79 |
| 0 | (+32) | 1625 | 409 | 476 | 108 | 0.79 | 5.15 | 14.91 | 3.76 | 4.37 |

| TEST CONDITIONS: @220V3600RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 279 | 70 | 82 | 52 | 0.41 | 0.87 | 5.37 | 1.35 | 1.57 |
| -30 | (-22) | 379 | 95 | 111 | 61 | 0.46 | 1.19 | 6.20 | 1.56 | 1.82 |
| -25 | (-13) | 501 | 126 | 147 | 71 | 0.53 | 1.57 | 7.02 | 1.77 | 2.06 |
| -20 | (- 4) | 649 | 164 | 190 | 82 | 0.61 | 2.04 | 7.87 | 1.98 | 2.31 |
| -15 | (+ 5) | 827 | 209 | 242 | 94 | 0.69 | 2.61 | 8.82 | 2.22 | 2.58 |
| -10 | (+14) | 1041 | 262 | 305 | 105 | 0.77 | 3.28 | 9.91 | 2.50 | 2.91 |
| -5 | (+23) | 1293 | 326 | 379 | 115 | 0.84 | 4.09 | 11.22 | 2.83 | 3.29 |
| 0 | (+32) | 1589 | 400 | 466 | 125 | 0.89 | 5.04 | 12.80 | 3.23 | 3.75 |

| TEST CONDITIONS: @220V3600RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 244 | 62 | 72 | 52 | 0.41 | 0.76 | 4.70 | 1.18 | 1.38 |
| -30 | (-22) | 341 | 86 | 100 | 61 | 0.48 | 1.07 | 5.57 | 1.40 | 1.63 |
| -25 | (-13) | 461 | 116 | 135 | 73 | 0.56 | 1.45 | 6.37 | 1.60 | 1.87 |
| -20 | (- 4) | 606 | 153 | 178 | 85 | 0.65 | 1.90 | 7.15 | 1.80 | 2.09 |
| -15 | (+ 5) | 782 | 197 | 229 | 98 | 0.74 | 2.46 | 7.97 | 2.01 | 2.33 |
| -10 | (+14) | 992 | 250 | 291 | 112 | 0.83 | 3.13 | 8.88 | 2.24 | 2.60 |
| -5 | (+23) | 1242 | 313 | 364 | 125 | 0.91 | 3.93 | 9.95 | 2.51 | 2.92 |
| 0 | (+32) | 1534 | 387 | 450 | 137 | 0.98 | 4.86 | 11.24 | 2.83 | 3.29 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|--|--------------------------|--------------------------------|-------|------|------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [W] | [A] |
| -35 | (-31) | 335 | 84 | 98 | 58 | 0.45 | 1.05 | 5.75 | 1.45 | 1.68 |
| -30 | (-22) | 448 | 113 | 131 | 68 | 0.50 | 1.40 | 6.62 | 1.67 | 1.94 |
| -25 | (-13) | 586 | 148 | 172 | 78 | 0.57 | 1.84 | 7.53 | 1.90 | 2.21 |
| -20 | (- 4) | 754 | 190 | 221 | 88 | 0.64 | 2.37 | 8.52 | 2.15 | 2.50 |
| -15 | (+ 5) | 955 | 241 | 280 | 99 | 0.72 | 3.01 | 9.66 | 2.43 | 2.83 |
| -10 | (+14) | 1196 | 301 | 350 | 109 | 0.79 | 3.77 | 10.99 | 2.77 | 3.22 |
| -5 | (+23) | 1480 | 373 | 434 | 118 | 0.85 | 4.68 | 12.58 | 3.17 | 3.69 |
| 0 | (+32) | 1813 | 457 | 531 | 124 | 0.90 | 5.75 | 14.49 | 3.65 | 4.25 |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|------|------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [W] | [A] |
| -35 | (-31) | 309 | 78 | 91 | 59 | 0.45 | 0.97 | 5.28 | 1.33 | 1.55 |
| -30 | (-22) | 421 | 106 | 123 | 69 | 0.51 | 1.32 | 6.11 | 1.54 | 1.79 |
| -25 | (-13) | 558 | 141 | 163 | 81 | 0.59 | 1.75 | 6.90 | 1.74 | 2.02 |
| -20 | (- 4) | 724 | 182 | 212 | 93 | 0.68 | 2.27 | 7.73 | 1.95 | 2.27 |
| -15 | (+ 5) | 924 | 233 | 271 | 107 | 0.77 | 2.91 | 8.65 | 2.18 | 2.53 |
| -10 | (+14) | 1163 | 293 | 341 | 120 | 0.86 | 3.67 | 9.71 | 2.45 | 2.85 |
| -5 | (+23) | 1446 | 364 | 424 | 132 | 0.94 | 4.57 | 10.98 | 2.77 | 3.22 |
| 0 | (+32) | 1778 | 448 | 521 | 143 | 1.01 | 5.64 | 12.52 | 3.15 | 3.67 |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|------|------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [W] | [A] |
| -35 | (-31) | 269 | 68 | 79 | 58 | 0.45 | 0.84 | 4.64 | 1.17 | 1.36 |
| -30 | (-22) | 378 | 95 | 111 | 69 | 0.52 | 1.19 | 5.50 | 1.39 | 1.61 |
| -25 | (-13) | 512 | 129 | 150 | 82 | 0.61 | 1.61 | 6.29 | 1.58 | 1.84 |
| -20 | (- 4) | 675 | 170 | 198 | 96 | 0.71 | 2.12 | 7.05 | 1.78 | 2.07 |
| -15 | (+ 5) | 872 | 220 | 256 | 111 | 0.81 | 2.75 | 7.85 | 1.98 | 2.30 |
| -10 | (+14) | 1109 | 279 | 325 | 127 | 0.91 | 3.50 | 8.74 | 2.20 | 2.56 |
| -5 | (+23) | 1389 | 350 | 407 | 142 | 1.01 | 4.39 | 9.78 | 2.47 | 2.87 |
| 0 | (+32) | 1717 | 433 | 503 | 156 | 1.09 | 5.44 | 11.03 | 2.78 | 3.23 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V4500RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|--|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 378 | 95 | 111 | 66 | 0.50 | 1.18 | 5.69 | 1.43 | 1.67 |
| -30 | (-22) | 499 | 126 | 146 | 76 | 0.56 | 1.57 | 6.54 | 1.65 | 1.92 |
| -25 | (-13) | 644 | 162 | 189 | 87 | 0.63 | 2.02 | 7.43 | 1.87 | 2.18 |
| -20 | (- 4) | 816 | 206 | 239 | 97 | 0.70 | 2.56 | 8.41 | 2.12 | 2.46 |
| -15 | (+ 5) | 1018 | 257 | 298 | 107 | 0.77 | 3.20 | 9.54 | 2.40 | 2.80 |
| -10 | (+14) | 1253 | 316 | 367 | 115 | 0.83 | 3.95 | 10.89 | 2.74 | 3.19 |
| -5 | (+23) | 1525 | 384 | 447 | 122 | 0.87 | 4.82 | 12.50 | 3.15 | 3.66 |
| 0 | (+32) | 1836 | 463 | 538 | 126 | 0.89 | 5.82 | 14.45 | 3.64 | 4.23 |

| TEST CONDITIONS: @220V4500RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 347 | 87 | 102 | 66 | 0.49 | 1.08 | 5.27 | 1.33 | 1.54 |
| -30 | (-22) | 466 | 118 | 137 | 77 | 0.56 | 1.46 | 6.07 | 1.53 | 1.78 |
| -25 | (-13) | 609 | 154 | 179 | 89 | 0.64 | 1.91 | 6.85 | 1.73 | 2.01 |
| -20 | (- 4) | 779 | 196 | 228 | 101 | 0.73 | 2.45 | 7.67 | 1.93 | 2.25 |
| -15 | (+ 5) | 978 | 246 | 287 | 114 | 0.81 | 3.08 | 8.58 | 2.16 | 2.52 |
| -10 | (+14) | 1210 | 305 | 355 | 125 | 0.89 | 3.82 | 9.66 | 2.43 | 2.83 |
| -5 | (+23) | 1478 | 373 | 433 | 135 | 0.96 | 4.67 | 10.94 | 2.76 | 3.21 |
| 0 | (+32) | 1786 | 450 | 523 | 143 | 1.00 | 5.66 | 12.51 | 3.15 | 3.66 |

| TEST CONDITIONS: @220V4500RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|---------------------------------|--------------------|---------|----------------------------|---|--------------------------|--------------------------------|-------|----------|-----------|
| Evaporating temperature | Cooling capacity (Qe) +/- 5% | | | Input power (We) +/- 5% | Electric current +/- 5% | Mass flow rate +/- 5% | Efficiency EER & COP +/- 7% | | | |
| | °C | (°F) | [Btu/h] | | | | [kcal/h] | [W] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 297 | 75 | 87 | 64 | 0.48 | 0.93 | 4.64 | 1.17 | 1.36 |
| -30 | (-22) | 414 | 104 | 121 | 76 | 0.56 | 1.30 | 5.49 | 1.38 | 1.61 |
| -25 | (-13) | 554 | 140 | 162 | 89 | 0.65 | 1.74 | 6.26 | 1.58 | 1.83 |
| -20 | (- 4) | 720 | 181 | 211 | 103 | 0.75 | 2.26 | 7.02 | 1.77 | 2.06 |
| -15 | (+ 5) | 915 | 231 | 268 | 117 | 0.85 | 2.88 | 7.81 | 1.97 | 2.29 |
| -10 | (+14) | 1143 | 288 | 335 | 131 | 0.94 | 3.61 | 8.71 | 2.19 | 2.55 |
| -5 | (+23) | 1408 | 355 | 412 | 144 | 1.02 | 4.45 | 9.76 | 2.46 | 2.86 |
| 0 | (+32) | 1711 | 431 | 501 | 155 | 1.08 | 5.43 | 11.04 | 2.78 | 3.24 |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|------------------------------|------|--------------------------|
| 1 Base plate | European Standard VES | | |
| 2 Tray holder | Yes | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 6.1 +0.10/+0.00 | [mm] | (0.240" +0.004"/+0.000") |
| 3.1.1 Material | Copper | | |
| 3.1.2 Shape | Slanted 79° up + 0° back | | |
| 3.2 DISCHARGE | 5.1 +0.10/+0.00 | [mm] | (0.201" +0.004"/+0.000") |
| 3.2.1 Material | Copper | | |
| 3.2.2 Shape | Slanted 47° up + 24° to Back | | |
| 3.3 PROCESS | 6 +0.08/-0.08 | [mm] | (0.236" +0.003"/-0.003") |
| 3.3.1 Material | Copper(OD) | | |
| 3.3.2 Shape | Slanted 47° up + 59° to Back | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |