

COMPRESSOR DEFINITION

| | |
|---------------------------|-----------------|
| Designation | FMS Y9C |
| Nominal Voltage/Frequency | 230 V 90-315 Hz |
| Engineering Number | 518000034 |

A - APPLICATION / LIMIT WORKING CONDITIONS

| | | | |
|------------------------------------|--|-----------------------------------|-----------|
| 1 Type | Hermetic reciprocating compressor | | |
| 2 Refrigerant | R-600a | | |
| 3 Nominal voltage and frequency | 230 / 90-315 | [V / Hz] | |
| 4 Application type | Low-Medium Back Pressure (Hot Gas Defrost not allowed) | | |
| 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 | 1/7 | [hp] |
| 2 Displacement | 6.51 | [cm ³] (0.397 cu.in) |
| 2.1 Bore [mm] | 21.000 | |
| 2.2 Stroke [mm] | 18.800 | |
| 3 Lubricant charge | 140 | [ml] (4.73 fl.oz.) |
| 3.1 Lubricants approved | | |
| 3.2 Lubricants type/viscosity | ALQUILB / ISO5 | |
| 4 Weight (with oil charge) | 3.58 | [kg] (7.89 lb.) |
| 5 Nitrogen charge | - | [kgf/cm ²] |

C - ELETRICAL DATA

| | | |
|--|------------------------------------|------------------------------------|
| 1 Nominal Voltage/Frequency/Number of Phases | 230 V 90-315 Hz 3~ (Three phase) | |
| 2 Starting device type | Inverter | |
| 2.1 Starting device | CF02F01M | |
| 3 Start capacitor | - | [µF(VAC minimum)] |
| 4 Run capacitor | - | [µF(VAC minimum)] |
| 5 Motor protection | CF02F01 M 0.0 XX F X | |
| 6 Start winding resistance | 15.35 | [Ω at 25°C (77°F)] +/- 8% |
| 7 Run winding resistance | 15.35 | [Ω at 25°C (77°F)] +/- 8% |
| 8 LRA - Locked rotor amperage (90/315 Hz) | 2.17 | [A] - Measured according to UL 984 |
| 9 FLA - Full load amperage L/MBP (90/315 Hz) | 1.25 | [A] - Measured according to UL 984 |
| 10 FLA - Full Load Amperage HBP (90/315 Hz) | - | [A] - Measured according to UL 984 |
| 11 Approval boards certification | CE - IRAM - NOM - TUV - UKCA - VDE | |

D - PERFORMANCE - CHECK POINT DATA

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @220V1800RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 228 | 57 | 67 | 42 | 0.40 | 0.72 | 5.44 | 1.37 | 1.59 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @220V2800RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 348 | 88 | 102 | 59 | 0.56 | 1.09 | 5.87 | 1.48 | 1.72 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @220V4000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 509 | 128 | 149 | 88 | 0.83 | 1.60 | 5.80 | 1.46 | 1.70 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @220V5000RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 619 | 156 | 181 | 110 | 1.04 | 1.94 | 5.63 | 1.42 | 1.65 |

| | | | | | | | | |
|---|----------|-----|-------------------------------------|-------------------------------|---|---------------------------|--|-------|
| TEST CONDITIONS: @220V6300RPM | | | ASHRAELBP32 Static | | Evaporating temperature (Condensing temperature) | | -23.3°C (-9.94°F) 54.4°C (129.92°F) | |
| Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | |
| [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| 733 | 185 | 215 | 136 | 1.29 | 2.30 | 5.39 | 1.36 | 1.58 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V1800RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 127 | 32 | 37 | 26 | 0.25 | 0.40 | 4.90 | 1.23 | 1.44 | |
| -30 (-22) | 177 | 45 | 52 | 30 | 0.29 | 0.55 | 5.89 | 1.48 | 1.72 | |
| -25 (-13) | 235 | 59 | 69 | 34 | 0.33 | 0.74 | 6.85 | 1.73 | 2.01 | |
| -20 (- 4) | 305 | 77 | 89 | 39 | 0.37 | 0.96 | 7.88 | 1.99 | 2.31 | |
| -15 (+ 5) | 387 | 97 | 113 | 43 | 0.41 | 1.22 | 9.03 | 2.27 | 2.64 | |
| -10 (+14) | 484 | 122 | 142 | 47 | 0.44 | 1.53 | 10.37 | 2.61 | 3.04 | |
| -5 (+23) | 599 | 151 | 176 | 50 | 0.47 | 1.89 | 11.98 | 3.02 | 3.51 | |
| 0 (+32) | 733 | 185 | 215 | 52 | 0.49 | 2.32 | 13.92 | 3.51 | 4.08 | |

| TEST CONDITIONS: @220V1800RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 115 | 29 | 34 | 27 | 0.26 | 0.36 | 4.32 | 1.09 | 1.27 | |
| -30 (-22) | 163 | 41 | 48 | 31 | 0.30 | 0.51 | 5.18 | 1.30 | 1.52 | |
| -25 (-13) | 221 | 56 | 65 | 37 | 0.35 | 0.69 | 5.96 | 1.50 | 1.75 | |
| -20 (- 4) | 290 | 73 | 85 | 43 | 0.41 | 0.91 | 6.75 | 1.70 | 1.98 | |
| -15 (+ 5) | 372 | 94 | 109 | 49 | 0.46 | 1.17 | 7.60 | 1.92 | 2.23 | |
| -10 (+14) | 470 | 118 | 138 | 55 | 0.52 | 1.48 | 8.60 | 2.17 | 2.52 | |
| -5 (+23) | 586 | 148 | 172 | 60 | 0.57 | 1.85 | 9.81 | 2.47 | 2.88 | |
| 0 (+32) | 721 | 182 | 211 | 64 | 0.61 | 2.29 | 11.31 | 2.85 | 3.31 | |

| TEST CONDITIONS: @220V1800RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 110 | 28 | 32 | 28 | 0.26 | 0.34 | 3.95 | 0.99 | 1.16 | |
| -30 (-22) | 156 | 39 | 46 | 33 | 0.32 | 0.49 | 4.71 | 1.19 | 1.38 | |
| -25 (-13) | 211 | 53 | 62 | 40 | 0.38 | 0.66 | 5.36 | 1.35 | 1.57 | |
| -20 (- 4) | 279 | 70 | 82 | 47 | 0.45 | 0.87 | 5.95 | 1.50 | 1.74 | |
| -15 (+ 5) | 360 | 91 | 105 | 55 | 0.52 | 1.13 | 6.56 | 1.65 | 1.92 | |
| -10 (+14) | 457 | 115 | 134 | 63 | 0.60 | 1.44 | 7.25 | 1.83 | 2.13 | |
| -5 (+23) | 573 | 144 | 168 | 71 | 0.67 | 1.81 | 8.11 | 2.04 | 2.38 | |
| 0 (+32) | 709 | 179 | 208 | 78 | 0.74 | 2.25 | 9.20 | 2.32 | 2.69 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V2800RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|---------|-----------------------------|--|-------------------------|---------------------------|--------|----------|-----------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 198 | 50 | 58 | 39 | 0.37 | 0.62 | 5.07 | 1.28 | 1.49 |
| -30 | (-22) | 269 | 68 | 79 | 45 | 0.43 | 0.84 | 6.02 | 1.52 | 1.76 |
| -25 | (-13) | 360 | 91 | 106 | 51 | 0.49 | 1.13 | 7.02 | 1.77 | 2.06 |
| -20 | (- 4) | 472 | 119 | 138 | 58 | 0.56 | 1.48 | 8.12 | 2.05 | 2.38 |
| -15 | (+ 5) | 604 | 152 | 177 | 65 | 0.62 | 1.90 | 9.33 | 2.35 | 2.73 |
| -10 | (+14) | 757 | 191 | 222 | 71 | 0.68 | 2.39 | 10.69 | 2.69 | 3.13 |
| -5 | (+23) | 932 | 235 | 273 | 76 | 0.72 | 2.95 | 12.22 | 3.08 | 3.58 |
| 0 | (+32) | 1129 | 284 | 331 | 80 | 0.75 | 3.58 | 13.95 | 3.52 | 4.09 |

| TEST CONDITIONS: @220V2800RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|---------|-----------------------------|---|-------------------------|---------------------------|--------|----------|-----------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 186 | 47 | 55 | 40 | 0.38 | 0.58 | 4.66 | 1.18 | 1.37 |
| -30 | (-22) | 253 | 64 | 74 | 47 | 0.44 | 0.79 | 5.46 | 1.38 | 1.60 |
| -25 | (-13) | 341 | 86 | 100 | 54 | 0.52 | 1.07 | 6.27 | 1.58 | 1.84 |
| -20 | (- 4) | 449 | 113 | 132 | 63 | 0.60 | 1.41 | 7.12 | 1.79 | 2.09 |
| -15 | (+ 5) | 578 | 146 | 169 | 72 | 0.68 | 1.82 | 8.04 | 2.03 | 2.36 |
| -10 | (+14) | 728 | 184 | 213 | 80 | 0.76 | 2.30 | 9.06 | 2.28 | 2.66 |
| -5 | (+23) | 900 | 227 | 264 | 88 | 0.84 | 2.85 | 10.21 | 2.57 | 2.99 |
| 0 | (+32) | 1094 | 276 | 321 | 95 | 0.91 | 3.47 | 11.51 | 2.90 | 3.37 |

| TEST CONDITIONS: @220V2800RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|---------|-----------------------------|---|-------------------------|---------------------------|--------|----------|-----------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C | (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] |
| -35 | (-31) | 169 | 43 | 50 | 41 | 0.39 | 0.53 | 4.11 | 1.04 | 1.20 |
| -30 | (-22) | 234 | 59 | 69 | 48 | 0.46 | 0.73 | 4.87 | 1.23 | 1.43 |
| -25 | (-13) | 319 | 80 | 93 | 57 | 0.54 | 1.00 | 5.60 | 1.41 | 1.64 |
| -20 | (- 4) | 424 | 107 | 124 | 67 | 0.64 | 1.33 | 6.32 | 1.59 | 1.85 |
| -15 | (+ 5) | 551 | 139 | 161 | 78 | 0.74 | 1.74 | 7.06 | 1.78 | 2.07 |
| -10 | (+14) | 699 | 176 | 205 | 89 | 0.85 | 2.21 | 7.85 | 1.98 | 2.30 |
| -5 | (+23) | 869 | 219 | 255 | 100 | 0.95 | 2.75 | 8.72 | 2.20 | 2.56 |
| 0 | (+32) | 1061 | 267 | 311 | 109 | 1.05 | 3.36 | 9.70 | 2.44 | 2.84 |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 284 | 72 | 83 | 56 | 0.53 | 0.89 | 5.06 | 1.28 | 1.48 | |
| -30 (-22) | 391 | 99 | 115 | 66 | 0.66 | 1.23 | 5.90 | 1.49 | 1.73 | |
| -25 (-13) | 518 | 130 | 152 | 77 | 0.76 | 1.62 | 6.78 | 1.71 | 1.99 | |
| -20 (- 4) | 669 | 169 | 196 | 87 | 0.84 | 2.10 | 7.73 | 1.95 | 2.27 | |
| -15 (+ 5) | 848 | 214 | 249 | 96 | 0.92 | 2.67 | 8.80 | 2.22 | 2.58 | |
| -10 (+14) | 1060 | 267 | 311 | 106 | 1.00 | 3.34 | 10.01 | 2.52 | 2.93 | |
| -5 (+23) | 1310 | 330 | 384 | 115 | 1.09 | 4.14 | 11.39 | 2.87 | 3.34 | |
| 0 (+32) | 1601 | 403 | 469 | 123 | 1.21 | 5.07 | 13.00 | 3.27 | 3.81 | |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 253 | 64 | 74 | 56 | 0.53 | 0.79 | 4.52 | 1.14 | 1.32 | |
| -30 (-22) | 361 | 91 | 106 | 68 | 0.67 | 1.13 | 5.30 | 1.34 | 1.55 | |
| -25 (-13) | 488 | 123 | 143 | 80 | 0.79 | 1.53 | 6.08 | 1.53 | 1.78 | |
| -20 (- 4) | 638 | 161 | 187 | 93 | 0.90 | 2.00 | 6.88 | 1.73 | 2.02 | |
| -15 (+ 5) | 815 | 205 | 239 | 105 | 1.00 | 2.57 | 7.74 | 1.95 | 2.27 | |
| -10 (+14) | 1024 | 258 | 300 | 118 | 1.11 | 3.23 | 8.69 | 2.19 | 2.55 | |
| -5 (+23) | 1269 | 320 | 372 | 130 | 1.24 | 4.01 | 9.77 | 2.46 | 2.86 | |
| 0 (+32) | 1555 | 392 | 456 | 142 | 1.40 | 4.93 | 11.01 | 2.77 | 3.23 | |

| TEST CONDITIONS: @220V4000RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 227 | 57 | 67 | 56 | 0.53 | 0.71 | 4.04 | 1.02 | 1.18 | |
| -30 (-22) | 336 | 85 | 98 | 69 | 0.69 | 1.05 | 4.83 | 1.22 | 1.41 | |
| -25 (-13) | 462 | 116 | 135 | 83 | 0.83 | 1.45 | 5.55 | 1.40 | 1.63 | |
| -20 (- 4) | 610 | 154 | 179 | 98 | 0.95 | 1.92 | 6.26 | 1.58 | 1.83 | |
| -15 (+ 5) | 785 | 198 | 230 | 113 | 1.07 | 2.47 | 6.96 | 1.75 | 2.04 | |
| -10 (+14) | 990 | 249 | 290 | 128 | 1.21 | 3.12 | 7.71 | 1.94 | 2.26 | |
| -5 (+23) | 1230 | 310 | 360 | 144 | 1.37 | 3.89 | 8.54 | 2.15 | 2.50 | |
| 0 (+32) | 1510 | 380 | 442 | 160 | 1.56 | 4.79 | 9.48 | 2.39 | 2.78 | |

E - PERFORMANCE - CURVES

| TEST CONDITIONS: @220V6300RPM | | ASHRAE32 Static | | | (Condensing temperature 35°C (+95°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|--|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 415 | 105 | 122 | 91 | 0.86 | 1.30 | 4.57 | 1.15 | 1.34 | |
| -30 (-22) | 541 | 136 | 159 | 104 | 0.99 | 1.70 | 5.26 | 1.33 | 1.54 | |
| -25 (-13) | 725 | 183 | 213 | 122 | 1.16 | 2.27 | 5.96 | 1.50 | 1.75 | |
| -20 (- 4) | 957 | 241 | 280 | 142 | 1.36 | 3.01 | 6.71 | 1.69 | 1.96 | |
| -15 (+ 5) | 1228 | 309 | 360 | 163 | 1.55 | 3.86 | 7.53 | 1.90 | 2.21 | |
| -10 (+14) | 1529 | 385 | 448 | 181 | 1.72 | 4.82 | 8.47 | 2.14 | 2.48 | |
| -5 (+23) | 1850 | 466 | 542 | 193 | 1.84 | 5.85 | 9.57 | 2.41 | 2.81 | |
| 0 (+32) | 2183 | 550 | 640 | 198 | 1.88 | 6.92 | 10.87 | 2.74 | 3.18 | |

| TEST CONDITIONS: @220V6300RPM | | ASHRAE32 Static | | | (Condensing temperature 45°C (+113°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 395 | 100 | 116 | 93 | 0.86 | 1.24 | 4.23 | 1.07 | 1.24 | |
| -30 (-22) | 523 | 132 | 153 | 108 | 1.01 | 1.64 | 4.88 | 1.23 | 1.43 | |
| -25 (-13) | 700 | 176 | 205 | 127 | 1.20 | 2.20 | 5.51 | 1.39 | 1.62 | |
| -20 (- 4) | 917 | 231 | 269 | 149 | 1.41 | 2.88 | 6.18 | 1.56 | 1.81 | |
| -15 (+ 5) | 1165 | 294 | 341 | 169 | 1.60 | 3.67 | 6.91 | 1.74 | 2.02 | |
| -10 (+14) | 1434 | 361 | 420 | 186 | 1.76 | 4.52 | 7.74 | 1.95 | 2.27 | |
| -5 (+23) | 1716 | 432 | 503 | 197 | 1.87 | 5.43 | 8.72 | 2.20 | 2.55 | |
| 0 (+32) | 2001 | 504 | 586 | 199 | 1.90 | 6.35 | 9.87 | 2.49 | 2.89 | |

| TEST CONDITIONS: @220V6300RPM | | ASHRAE32 Static | | | (Condensing temperature 55°C (+131°F)) | | | | | |
|----------------------------------|----------------------------|--------------------|----------|-----------------------------|---|-------------------------|---------------------------|----------|-----------|-------|
| Evaporating temperature | Cooling capacity +/- 5% | | | Power consumption +/- 5% | Current consumption +/- 5% | Gas flow rate +/- 5% | EFFICIENCY RATE +/- 7% | | | |
| | °C (°F) | [Btu/h] | [kcal/h] | [W] | [W] | [A] | [kg/h] | [Btu/Wh] | [kcal/Wh] | [W/W] |
| -35 (-31) | 357 | 90 | 105 | 91 | 0.89 | 1.12 | 3.94 | 0.99 | 1.15 | |
| -30 (-22) | 497 | 125 | 146 | 110 | 1.06 | 1.56 | 4.54 | 1.14 | 1.33 | |
| -25 (-13) | 678 | 171 | 199 | 132 | 1.27 | 2.13 | 5.12 | 1.29 | 1.50 | |
| -20 (- 4) | 890 | 224 | 261 | 156 | 1.48 | 2.80 | 5.70 | 1.44 | 1.67 | |
| -15 (+ 5) | 1124 | 283 | 329 | 177 | 1.69 | 3.54 | 6.34 | 1.60 | 1.86 | |
| -10 (+14) | 1372 | 346 | 402 | 195 | 1.85 | 4.33 | 7.06 | 1.78 | 2.07 | |
| -5 (+23) | 1625 | 409 | 476 | 206 | 1.95 | 5.14 | 7.91 | 1.99 | 2.32 | |
| 0 (+32) | 1873 | 472 | 549 | 207 | 1.96 | 5.94 | 8.92 | 2.25 | 2.61 | |

F - EXTERNAL CHARACTERISTICS

| | | | |
|-------------------------|--------------------------------|------|--------------------------|
| 1 Base plate | European Standard ES/FMS | | |
| 2 Tray holder | No | | |
| 3 Connectors | | | |
| 3.1 SUCTION | 6.5 +0.12/-0.08 | [mm] | (0.256" +0.005"/-0.003") |
| 3.1.1 Material | Copper | | |
| 3.1.2 Shape | Slanted parallel to Base Plate | | |
| 3.2 DISCHARGE | 4.94 +0.08/-0.08 | [mm] | (0.194" +0.003"/-0.003") |
| 3.2.1 Material | Copper | | |
| 3.2.2 Shape | Slanted parallel BP+45°to Back | | |
| 3.3 PROCESS | 6.5 +0.12/-0.08 | [mm] | (0.256" +0.005"/-0.003") |
| 3.3.1 Material | Copper | | |
| 3.3.2 Shape | Straight | | |
| 3.4 Oil cooler (Copper) | No | [mm] | |
| 3.5 Connector sealing | Rubber Plugs | | |