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|---------------------------------------|--------------------------------------|
| Minimum Evaporating Temp. With: | |
| ■ 10 K Suction Superheat | ■ 5 K Suction Superheat OEM envelope |
| ■ 10 K Suction Superheat OEM envelope | |
| ■ Maximum Evaporating Temperature | |

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

| Cond °C | Cooling Capacity, kW | | | | | | | | | | | | | |
|------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 | 20.0 | 25.0 |
| 10.0 | 27.00 | 32.90 | 39.60 | 47.30 | 56.00 | 65.80 | | | | | | | | |
| 15.0 | 25.40 | 31.20 | 38.00 | 45.70 | 54.50 | 64.30 | 75.20 | | | | | | | |
| 20.0 | 23.70 | 29.40 | 36.20 | 43.90 | 52.60 | 62.40 | 73.30 | 85.40 | | | | | | |
| 25.0 | 22.00 | 27.60 | 34.20 | 41.80 | 50.40 | 60.10 | 70.90 | 82.90 | 88.00 | 96.10 | | | | |
| 30.0 | 20.40 | 25.80 | 32.10 | 39.50 | 47.90 | 57.40 | 68.10 | 79.90 | 85.00 | 92.90 | 99.90 | 107.00 | | |
| 35.0 | | 24.00 | 30.00 | 37.10 | 45.20 | 54.50 | 64.80 | 76.40 | 81.40 | 89.20 | 96.00 | 103.00 | | |
| 40.0 | | | 27.90 | 34.60 | 42.30 | 51.20 | 61.20 | 72.40 | 77.30 | 84.90 | 91.60 | 98.60 | 113.50 | |
| 45.0 | | | | 32.00 | 39.30 | 47.70 | 57.30 | 68.10 | 72.70 | 80.10 | 86.60 | 93.40 | 108.00 | 124.00 |
| 50.0 | | | | | 36.10 | 44.00 | 53.00 | 63.30 | 67.70 | 74.80 | 81.00 | 87.50 | 101.50 | 117.00 |
| 55.0 | | | | | | 40.10 | 48.50 | 58.10 | 62.30 | 69.00 | 74.90 | 81.10 | 94.50 | 109.50 |
| 60.0 | | | | | | | 43.60 | 52.50 | 56.40 | 62.60 | 68.10 | 73.90 | 86.60 | 100.50 |
| 65.0 | | | | | | | | 38.20 | 46.20 | 49.70 | 55.40 | 60.40 | 65.80 | 77.50 |

| Cond °C | Power, kW | | | | | | | | | | | | | |
|------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 | 20.0 | 25.0 |
| 10.0 | 7.22 | 7.38 | 7.49 | 7.57 | 7.62 | 7.67 | | | | | | | | |
| 15.0 | 8.37 | 8.56 | 8.69 | 8.78 | 8.84 | 8.89 | 8.94 | | | | | | | |
| 20.0 | 9.52 | 9.73 | 9.88 | 9.99 | 10.05 | 10.10 | 10.15 | 10.20 | | | | | | |
| 25.0 | 10.70 | 10.95 | 11.10 | 11.20 | 11.30 | 11.35 | 11.35 | 11.40 | 11.45 | 11.45 | | | | |
| 30.0 | 11.95 | 12.20 | 12.40 | 12.55 | 12.60 | 12.65 | 12.65 | 12.70 | 12.70 | 12.75 | 12.75 | 12.80 | | |
| 35.0 | | 13.60 | 13.80 | 13.95 | 14.00 | 14.05 | 14.10 | 14.10 | 14.10 | 14.10 | 14.10 | 14.15 | | |
| 40.0 | | | 15.40 | 15.50 | 15.60 | 15.65 | 15.65 | 15.65 | 15.60 | 15.60 | 15.60 | 15.60 | 15.65 | |
| 45.0 | | | | 17.30 | 17.35 | 17.40 | 17.40 | 17.35 | 17.35 | 17.30 | 17.30 | 17.30 | 17.30 | 17.30 |
| 50.0 | | | | | 19.35 | 19.40 | 19.35 | 19.30 | 19.30 | 19.25 | 19.20 | 19.20 | 19.15 | 19.15 |
| 55.0 | | | | | | 21.60 | 21.60 | 21.50 | 21.50 | 21.40 | 21.40 | 21.40 | 21.30 | 21.20 |
| 60.0 | | | | | | | 24.20 | 24.10 | 24.00 | 24.00 | 23.90 | 23.80 | 23.70 | 23.60 |
| 65.0 | | | | | | | | 27.10 | 27.00 | 26.90 | 26.80 | 26.70 | 26.60 | 26.50 |

| Cond °C | Current at 400 V, A | | | | | | | | | | | | | |
|------------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 | 20.0 | 25.0 |
| 10.0 | 19.78 | 20.21 | 20.56 | 20.82 | 21.02 | 21.15 | | | | | | | | |
| 15.0 | 20.84 | 21.25 | 21.57 | 21.81 | 21.99 | 22.12 | 22.19 | | | | | | | |
| 20.0 | 21.99 | 22.36 | 22.65 | 22.88 | 23.04 | 23.15 | 23.21 | 23.24 | | | | | | |
| 25.0 | 23.26 | 23.60 | 23.87 | 24.07 | 24.21 | 24.31 | 24.36 | 24.38 | 24.38 | 24.37 | | | | |
| 30.0 | 24.73 | 25.03 | 25.27 | 25.45 | 25.57 | 25.64 | 25.68 | 25.69 | 25.69 | 25.68 | 25.66 | 25.65 | | |
| 35.0 | | 26.70 | 26.90 | 27.05 | 27.15 | 27.20 | 27.23 | 27.22 | 27.22 | 27.20 | 27.19 | 27.17 | | |
| 40.0 | | | 28.83 | 28.94 | 29.01 | 29.05 | 29.05 | 29.04 | 29.03 | 29.01 | 28.99 | 28.97 | 28.94 | |
| 45.0 | | | | 31.17 | 31.22 | 31.23 | 31.21 | 31.18 | 31.16 | 31.14 | 31.12 | 31.10 | 31.06 | 31.04 |
| 50.0 | | | | | 33.81 | 33.79 | 33.75 | 33.70 | 33.68 | 33.65 | 33.62 | 33.60 | 33.56 | 33.54 |
| 55.0 | | | | | | 36.79 | 36.73 | 36.66 | 36.63 | 36.59 | 36.56 | 36.53 | 36.48 | 36.46 |
| 60.0 | | | | | | | 40.20 | 40.11 | 40.07 | 40.02 | 39.98 | 39.95 | 39.89 | 39.86 |
| 65.0 | | | | | | | | 44.22 | 44.10 | 44.06 | 44.00 | 43.95 | 43.90 | 43.83 |

| Cond °C | Suction Mass Flow, g/s | | | | | | | | | | | | | | |
|------------|------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| | -30.0 | -25.0 | -20.0 | -15.0 | -10.0 | -5.0 | 0.0 | 5.0 | 7.0 | 10.0 | 12.5 | 15.0 | 20.0 | 25.0 | |
| 10.0 | 133.50 | 160.00 | 191.00 | 225.00 | 264.00 | 307.00 | | | | | | | | | |
| 15.0 | 130.00 | 158.00 | 190.00 | 226.00 | 267.00 | 312.00 | 361.00 | | | | | | | | |
| 20.0 | 126.50 | 155.50 | 188.50 | 226.00 | 268.00 | 315.00 | 366.00 | 423.00 | | | | | | | |
| 25.0 | 123.00 | 152.50 | 186.50 | 225.00 | 268.00 | 316.00 | 369.00 | 428.00 | 453.00 | 491.00 | | | | | |
| 30.0 | 120.00 | 149.50 | 183.50 | 223.00 | 267.00 | 316.00 | 371.00 | 431.00 | 457.00 | 497.00 | 532.00 | 569.00 | | | |
| 35.0 | | 146.00 | 180.50 | 220.00 | 265.00 | 315.00 | 371.00 | 432.00 | 459.00 | 500.00 | 536.00 | 574.00 | | | |
| 40.0 | | | 177.00 | 217.00 | 262.00 | 313.00 | 369.00 | 432.00 | 459.00 | 501.00 | 538.00 | 577.00 | 660.00 | | |
| 45.0 | | | | 213.00 | 258.00 | 309.00 | 366.00 | 430.00 | 458.00 | 501.00 | 539.00 | 578.00 | 663.00 | 756.00 | |
| 50.0 | | | | | 254.00 | 304.00 | 362.00 | 427.00 | 455.00 | 499.00 | 537.00 | 578.00 | 665.00 | 760.00 | |
| 55.0 | | | | | | 299.00 | 357.00 | 422.00 | 450.00 | 495.00 | 534.00 | 576.00 | 665.00 | 762.00 | |
| 60.0 | | | | | | | 351.00 | 416.00 | 445.00 | 490.00 | 530.00 | 572.00 | 663.00 | 764.00 | |
| 65.0 | | | | | | | | 346.00 | 411.00 | 439.00 | 485.00 | 526.00 | 569.00 | 662.00 | |

COMPRESSOR MECHANICAL AND PHYSICAL DATA

| | |
|---|-------------------------|
| Displacement @ 50 Hz, m ³ /h | 45.7 |
| Length/Width, mm | 371/278 |
| Height, mm | 692 |
| Net Weight, kg | 91.6 |
| Stub Suction, inch | 1 5/8 |
| Stub Discharge, inch | 1 1/8 |
| Oil Quantity, l | 4.44 |
| Oil type (original charge) | POE RL32-3MAF |
| Oil type (approved oils) | POE RL32-3MAF |
| Base mounting (hole dia), mm | 190.5 x 190.5 (22.6) |
| Sound Pressure @ 1m (HT), dBA | 74 |
| Sound Power (HT), dBA | 85 |
| Sound Conditions (HT, Temperatures: | 7 / 54 / 18 °C at 50 Hz |
| Evap./Cond./Suction at freq./speed) | |
| PED Category | II |
| Max. Internal Free Volume, l | 12.8 |
| High Side PS gauge, bar | 45 |
| Low Side PS gauge, bar | 29.5 |
| Low Side TS Max., °C | 50 |
| Low Side TS Min., °C | -35 |
| Refrigerant's GWP | 2088 |
| Refrigerant's classification | A1 |

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

| | |
|------------------------------|----------------|
| Maximum Operating Current, A | 47.9 |
| Locked Rotor Current, A | 287 |
| Winding Resistance, ohm | 0.45 |
| Default Enclosure Class | IP 54 (IEC 34) |

ACCESSORIES INCLUDED

| | |
|----------------------------------|-----------------------------|
| Discharge Temperature Protection | ASTP Therm-O-Disc In Scroll |
|----------------------------------|-----------------------------|

ACCESSORIES OPTIONAL

| | |
|-------------------|-----------------------------|
| Mounting Grommets | Hard Mounts for Paralleling |
| Mounting Grommets | Rubber Grommet For Single |

MOTOR OPTIONS

| Motor Code | Power Supply | Nominal Voltage, V | Start Connection | DOL Connection | Amps Factor |
|-------------------|------------------------|---------------------------|-------------------------|-----------------------|--------------------|
| TED | 380-420 V / 3~ / 50 Hz | 400 | | Y | 1.00 |
| TE5 | 200-220 V / 3~ / 50 Hz | 200 | | Y | 2.09 |
| TED | 460 V / 3~ / 60 Hz | 460 | | Y | 1.04 |
| TE7 | 380 V / 3~ / 60 Hz | 380 | | Y | 1.26 |
| TEE | 575 V / 3~ / 60 Hz | 575 | | Y | 0.80 |
| TE5 | 200-230 V / 3~ / 60 Hz | 230 | | Y | 1.00 |