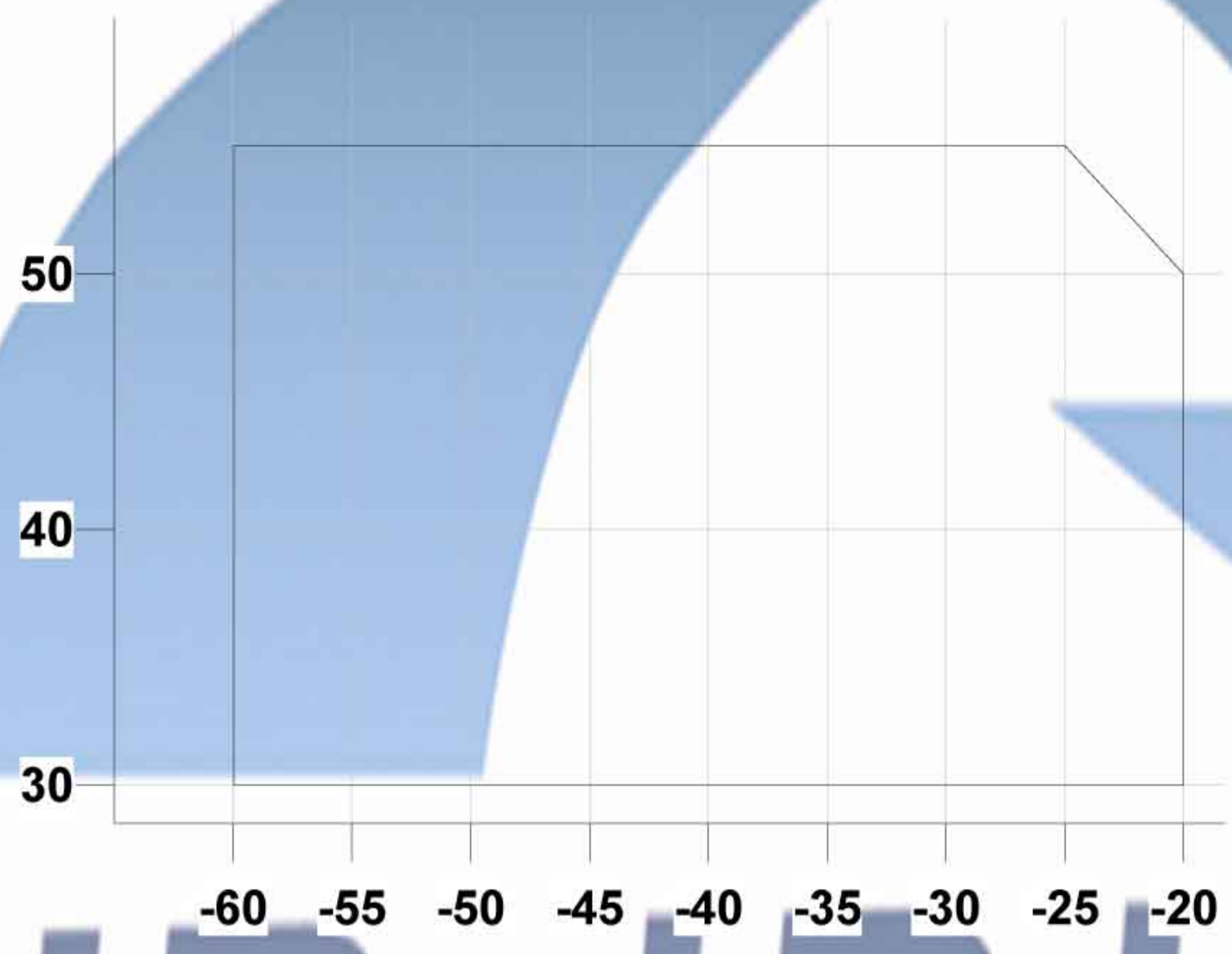




50Hz

D6TJ-250X SUB

R404A



Minimum evaporating temp. with:
25°C Suction Gas Return

Suction Return Temperature 18.3°C

Evaporating Temperature °C

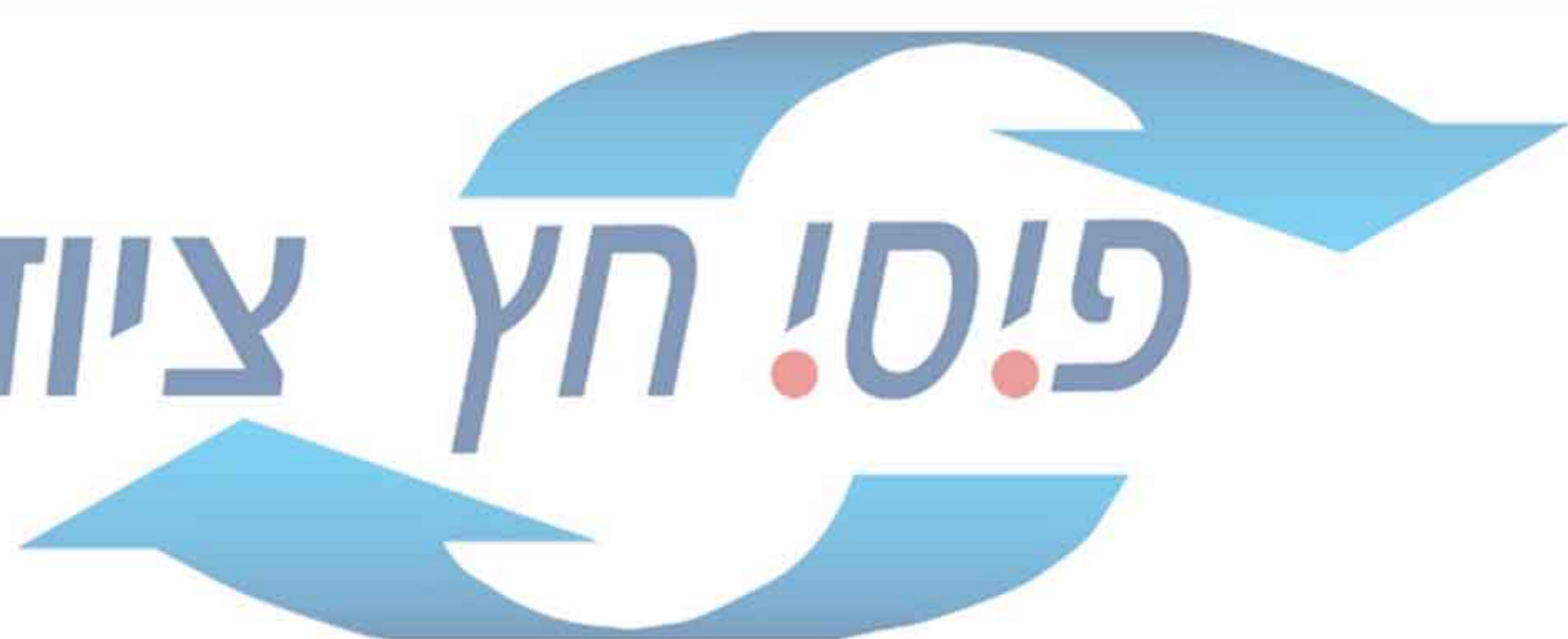
Liquid subcooling included

| Cond °C | Capacity kW | | | | | | | | | |
|---------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | |
| 30 | 7.82 | 10.05 | 12.95 | 16.55 | 20.60 | 25.20 | 30.10 | 35.10 | 40.20 | |
| 35 | 7.63 | 9.76 | 12.55 | 16.00 | 19.95 | 24.30 | 29.00 | 33.90 | 38.80 | |
| 40 | 7.44 | 9.47 | 12.15 | 15.45 | 19.25 | 23.50 | 27.90 | 32.60 | 37.20 | |
| 45 | 7.25 | 9.18 | 11.75 | 14.90 | 18.55 | 22.60 | 26.80 | 31.30 | 35.70 | |
| 50 | 7.07 | 8.89 | 11.35 | 14.35 | 17.80 | 21.60 | 25.70 | 29.90 | 34.10 | |
| 55 | 6.88 | 8.59 | 10.90 | 13.75 | 17.05 | 20.70 | 24.60 | 28.50 | | |

| Cond °C | Power Input kW | | | | | | | | | |
|---------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | |
| 30 | 8.86 | 9.92 | 11.15 | 12.55 | 14.00 | 15.50 | 16.90 | 18.15 | 19.20 | |
| 35 | 9.27 | 10.40 | 11.70 | 13.20 | 14.75 | 16.35 | 17.90 | 19.30 | 20.50 | |
| 40 | 9.70 | 10.90 | 12.30 | 13.85 | 15.50 | 17.20 | 18.90 | 20.50 | 21.90 | |
| 45 | 10.15 | 11.40 | 12.85 | 14.50 | 16.30 | 18.10 | 19.95 | 21.70 | 23.20 | |
| 50 | 10.65 | 11.95 | 13.50 | 15.25 | 17.10 | 19.05 | 21.00 | 22.90 | 24.60 | |
| 55 | 11.15 | 12.55 | 14.20 | 16.00 | 18.00 | 20.10 | 22.20 | 24.20 | | |

| Cond °C | Current 400V, A | | | | | | | | | |
|---------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | |
| 30 | 21.31 | 22.45 | 23.91 | 25.64 | 27.54 | 29.50 | 31.43 | 33.21 | 34.74 | |
| 35 | 21.74 | 22.97 | 24.55 | 26.42 | 28.48 | 30.64 | 32.79 | 34.83 | 36.64 | |
| 40 | 22.19 | 23.53 | 25.23 | 27.24 | 29.47 | 31.83 | 34.22 | 36.51 | 38.60 | |
| 45 | 22.68 | 24.14 | 25.96 | 28.12 | 30.53 | 33.10 | 35.71 | 38.27 | 40.66 | |
| 50 | 23.21 | 24.80 | 26.76 | 29.07 | 31.67 | 34.44 | 37.30 | 40.13 | 42.81 | |
| 55 | 23.79 | 25.53 | 27.64 | 30.11 | 32.89 | 35.89 | 38.99 | 42.10 | | |

| Cond °C | Mass Flow g/s | | | | | | | | | |
|---------|---------------|-------|-------|-------|--------|--------|--------|--------|--------|--|
| | -60 | -55 | -50 | -45 | -40 | -35 | -30 | -25 | -20 | |
| 30 | 34.60 | 45.70 | 60.80 | 80.00 | 103.00 | 130.00 | 161.00 | 196.00 | 233.00 | |
| 35 | 34.20 | 45.00 | 59.70 | 78.50 | 101.00 | 127.50 | 158.00 | 191.00 | 228.00 | |
| 40 | 33.70 | 44.20 | 58.50 | 77.00 | 99.00 | 124.50 | 154.00 | 187.00 | 222.00 | |
| 45 | 33.30 | 43.40 | 57.30 | 75.00 | 96.50 | 121.50 | 150.00 | 182.00 | 216.00 | |
| 50 | 32.80 | 42.50 | 55.90 | 73.00 | 94.00 | 118.00 | 146.00 | 176.00 | 209.00 | |
| 55 | 32.30 | 41.60 | 54.50 | 71.00 | 91.00 | 114.50 | 141.00 | 171.00 | | |



50Hz

D6TJ-250X SUB

R404A

DWM Copeland - Compressor - Refrigeration - 2-Stage

COMPRESSOR MECHANICAL AND PHYSICAL DATA

| | |
|------------------------------|------------------|
| Number of cylinders | 6 |
| Displacement @ 50 Hz, cu.m/h | 84.7 |
| Bore/Stroke, mm | 74.6/55.6 |
| Length/Width, mm | 755/585 |
| Height, mm | 630 |
| Net Weight, kg | 247 |
| Gross Weight, kg | 277 |
| Suction, inch | 1 5/8 |
| Discharge, inch | 1 3/8 |
| Oil Quantity, l | 6.8 |
| Base mounting (hole dia), mm | 381 x 305 (18.0) |
| High Side PS, bar(g) | 28 |
| Low Side PS, bar(g) | 22.5 |

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

| | |
|------------------------------|----------------|
| Maximum Operating Current, A | 44.6 |
| Locked Rotor Current, A | 197 |
| Default Enclosure Class | IP 54 (IEC 34) |

ACCESSORIES INCLUDED

| | |
|---------------------|----------------------|
| Oil Pressure Switch | OPS2 Sensor |
| Mounting Springs | 4 |
| Liquid Subcooler | Plate Heat Exchanger |
| Deep Oil Sump | Mounted |

ACCESSORIES OPTIONAL

| | |
|---------------------|------------------------|
| Crankcase Heater | 100W Internal |
| Crankcase Heater | 200W Internal |
| Enclosure Class | IP 56 |
| Oil Pressure Switch | OPS2 Electronic Switch |
| Adapter Kit | For Parallel Operation |

MOTOR OPTIONS

| Power Supply | Nominal Voltage | Motor Code | Start Connection | DOL Connection | Amps Factor |
|------------------|-----------------|------------|------------------|----------------|-------------|
| 380-420 V/3~/50H | 400 | AWM | YYY | Y | 1.00 |
| 220-240 V/3~/50H | 230 | EWL | Y/DELTA | DELTA | 1.73 |
| 380-420 V/3~/50H | 400 | EWL | Y | Y | 1.00 |
| 380-420 V/3~/50H | 400 | EWM | Y/DELTA | DELTA | 1.00 |
| 500-550 V/3~/50H | 525 | EWY | Y/DELTA | DELTA | 0.76 |
| 220-240 V/3~/50H | 230 | AWR | YYY | Y | 1.73 |
| 500-550 V/3~/50H | 525 | AWY | YYY | Y | 0.76 |
| 500-550 V/3~/50H | 525 | TWY | | DELTA | 0.76 |
| 220-240 V/3~/60H | 230 | EWK | Y/DELTA | DELTA | 2.09 |
| 380-420 V/3~/60H | 380 | EWK | Y | Y | 1.26 |
| 440-480 V/3~/60H | 460 | EWD | Y/DELTA | DELTA | 1.00 |
| 208-230 V/3~/60H | 230 | AWC | YYY | Y | 2.19 |
| 440-480 V/3~/60H | 460 | AWD | YYY | Y | 1.00 |