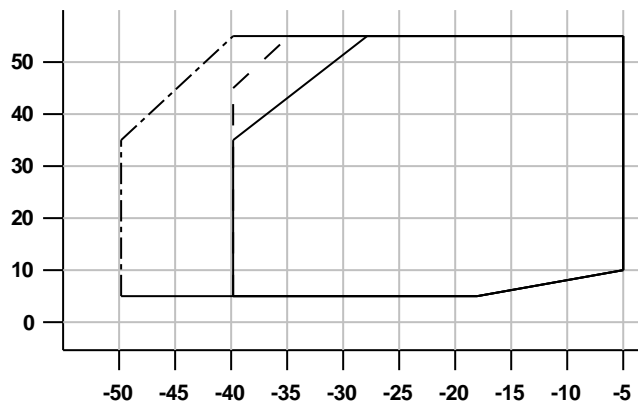


50Hz

4DL-150X 4DL3F63KEFSD200

R404A



Minimum evaporating temp. with:

- 25°C Suction Gas Return
- - - - 0°C Suction Gas Return
- . - . 0°C Suction Gas Return + Fan

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling 0.0K

| Cond °C | Capacity kW | | | | | | | | | |
|---------|-----------------|-----|-------|--------|--------|--------|--------|--------|--------|--------|
| | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| 5 | | | 17.35 | 22.40 | 28.40 | 35.50 | 43.90 | | | |
| 10 | | | 16.30 | 21.10 | 26.90 | 33.70 | 41.60 | 50.80 | 61.40 | 73.40 |
| 20 | | | 14.15 | 18.50 | 23.70 | 29.90 | 37.10 | 45.40 | 55.00 | 65.90 |
| 30 | | | 11.90 | 15.80 | 20.50 | 26.00 | 32.40 | 39.80 | 48.40 | 58.30 |
| 35 | | | 10.80 | 14.45 | 18.80 | 24.00 | 30.00 | 37.00 | 45.10 | 54.40 |
| 40 | | | | 13.10 | 17.15 | 22.00 | 27.60 | 34.20 | 41.70 | 50.50 |
| 45 | | | | | 15.45 | 19.90 | 25.20 | 31.30 | 38.40 | 46.50 |
| 50 | | | | | 13.75 | 17.90 | 22.70 | 28.40 | 34.90 | 42.50 |
| 55 | | | | | | 15.80 | 20.20 | 25.40 | 31.50 | 38.50 |
| | Power Input kW | | | | | | | | | |
| | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| 5 | | | 6.11 | 6.74 | 7.30 | 7.75 | 8.07 | | | |
| 10 | | | 6.43 | 7.16 | 7.82 | 8.39 | 8.83 | 9.11 | 9.21 | 9.08 |
| 20 | | | 7.02 | 7.95 | 8.85 | 9.67 | 10.40 | 10.95 | 11.40 | 11.60 |
| 30 | | | 7.45 | 8.62 | 9.77 | 10.85 | 11.90 | 12.80 | 13.55 | 14.15 |
| 35 | | | 7.58 | 8.87 | 10.15 | 11.40 | 12.60 | 13.65 | 14.60 | 15.40 |
| 40 | | | | 9.06 | 10.50 | 11.90 | 13.25 | 14.50 | 15.60 | 16.60 |
| 45 | | | | | 10.75 | 12.30 | 13.85 | 15.25 | 16.60 | 17.80 |
| 50 | | | | | 10.90 | 12.65 | 14.35 | 16.00 | 17.50 | 18.90 |
| 55 | | | | | | 12.90 | 14.80 | 16.60 | 18.35 | 19.95 |
| | Current 400V, A | | | | | | | | | |
| | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| 5 | | | 14.53 | 15.19 | 15.81 | 16.33 | 16.67 | | | |
| 10 | | | 14.83 | 15.61 | 16.37 | 17.04 | 17.57 | 17.90 | 17.95 | 17.68 |
| 20 | | | 15.45 | 16.49 | 17.56 | 18.59 | 19.52 | 20.29 | 20.84 | 21.10 |
| 30 | | | 15.95 | 17.30 | 18.71 | 20.14 | 21.51 | 22.76 | 23.84 | 24.69 |
| 35 | | | 16.10 | 17.62 | 19.22 | 20.86 | 22.47 | 23.98 | 25.34 | 26.50 |
| 40 | | | | 17.86 | 19.66 | 21.52 | 23.37 | 25.16 | 26.81 | 28.28 |
| 45 | | | | | 20.01 | 22.10 | 24.21 | 26.27 | 28.23 | 30.02 |
| 50 | | | | | 20.25 | 22.58 | 24.96 | 27.31 | 29.58 | 31.70 |
| 55 | | | | | | 22.94 | 25.59 | 28.24 | 30.83 | 33.30 |
| | Mass Flow g/s | | | | | | | | | |
| | -50 | -45 | -40 | -35 | -30 | -25 | -20 | -15 | -10 | -5 |
| 5 | | | 93.50 | 120.50 | 154.00 | 193.00 | 239.00 | | | |
| 10 | | | 91.00 | 118.50 | 151.00 | 190.00 | 236.00 | 290.00 | 353.00 | 425.00 |
| 20 | | | 86.00 | 113.00 | 145.50 | 184.00 | 229.00 | 283.00 | 345.00 | 417.00 |
| 30 | | | 80.00 | 106.50 | 138.50 | 176.00 | 221.00 | 274.00 | 336.00 | 408.00 |
| 35 | | | 76.50 | 103.00 | 134.50 | 172.00 | 217.00 | 269.00 | 331.00 | 404.00 |
| 40 | | | | 98.50 | 130.00 | 167.00 | 212.00 | 264.00 | 326.00 | 399.00 |
| 45 | | | | | 125.50 | 162.00 | 207.00 | 259.00 | 321.00 | 394.00 |
| 50 | | | | | 120.50 | 157.00 | 201.00 | 254.00 | 316.00 | 389.00 |
| 55 | | | | | | 152.00 | 196.00 | 248.00 | 311.00 | 386.00 |

50Hz

4DL-150X 4DL3F63KEFSD200

R404A

DWM Copeland - Compressor - Refrigeration - Discus

COMPRESSOR MECHANICAL AND PHYSICAL DATA

| | |
|------------------------------|------------------|
| Number of cylinders | 4 |
| Displacement @ 50 Hz, cu.m/h | 70.8 |
| Bore/Stroke, mm | 68.3/55.6 |
| Length/Width, mm | 680/535 |
| Height, mm | 605 |
| Net Weight, kg | 205 |
| Gross Weight, kg | 221 |
| Rotalock Discharge, inch | 1 1/8 |
| Suction, inch | 1 5/8 |
| Oil Quantity, l | 3.3 |
| Frequency Range, Hz | 25 - 60 |
| Base mounting (hole dia), mm | 381 x 305 (18.0) |
| Sound Pressure @ 1m, dBA | 76.9 |
| Sound Power, dBA | 87.9 |
| High Side PS, bar(g) | 28 |
| Low Side PS, bar(g) | 22.5 |

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

| | |
|------------------------------|----------------|
| Maximum Operating Current, A | 35.3 |
| Locked Rotor Current, A | 156 |
| Default Enclosure Class | IP 54 (IEC 34) |

ACCESSORIES INCLUDED

| | |
|---------------------|-------------|
| Oil Pressure Switch | OPS2 Sensor |
| Mounting Springs | 4 |

ACCESSORIES OPTIONAL

| | |
|---------------------|------------------------------|
| Additional Cooling | 70W Vertical Air Flow Fan |
| Capacity Control | Capacity Steps 50% |
| Crankcase Heater | 100W Internal |
| Enclosure Class | IP 56 |
| Oil Pressure Switch | OPS2 Electronic Switch |
| Unloaded start | Available |
| Deep Oil Sump | Mounted |
| Adapter Kit | For Parallel Operation |
| Check Valve (NRV) | For unloaded start operation |
| Inverter | Control Techniques SK 4401 |

MOTOR OPTIONS

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