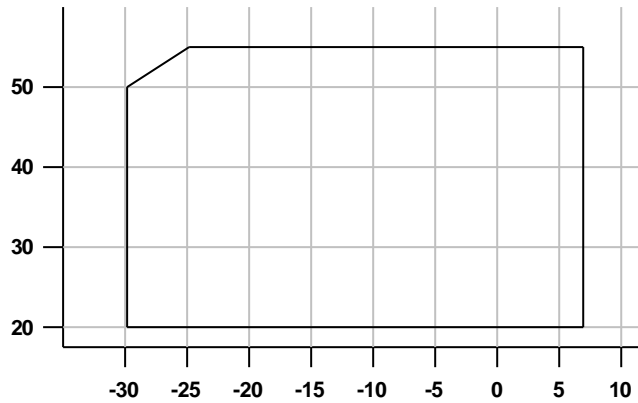


50Hz

D3SS-150X

R404A



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

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling 0.0K

| Cond °C | Capacity kW | | | | | | | | |
|---------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 |
| 20 | 16.25 | 20.40 | 25.30 | 31.20 | 38.00 | 46.00 | 55.10 | 65.50 | 70.00 |
| 25 | 15.00 | 18.90 | 23.60 | 29.20 | 35.60 | 43.10 | 51.70 | 61.50 | 65.70 |
| 30 | 13.75 | 17.50 | 21.90 | 27.10 | 33.20 | 40.20 | 48.30 | 57.40 | 61.40 |
| 35 | 12.50 | 16.05 | 20.20 | 25.10 | 30.80 | 37.30 | 44.80 | 53.40 | 57.10 |
| 40 | 11.35 | 14.65 | 18.55 | 23.10 | 28.30 | 34.40 | 41.30 | 49.20 | 52.70 |
| 45 | 10.15 | 13.30 | 16.90 | 21.10 | 25.90 | 31.40 | 37.80 | 45.10 | 48.30 |
| 50 | 9.01 | 11.90 | 15.20 | 19.00 | 23.40 | 28.50 | 34.30 | 40.90 | 43.80 |
| 55 | | 10.55 | 13.55 | 17.00 | 20.90 | 25.50 | 30.70 | 36.70 | 39.30 |
| | Power Input kW | | | | | | | | |
| | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 |
| 20 | 6.79 | 7.46 | 8.08 | 8.62 | 9.10 | 9.49 | 9.78 | 9.97 | 10.00 |
| 25 | 7.09 | 7.86 | 8.59 | 9.26 | 9.85 | 10.35 | 10.80 | 11.10 | 11.20 |
| 30 | 7.32 | 8.21 | 9.05 | 9.83 | 10.55 | 11.20 | 11.75 | 12.20 | 12.40 |
| 35 | 7.50 | 8.50 | 9.45 | 10.35 | 11.20 | 11.95 | 12.65 | 13.25 | 13.50 |
| 40 | 7.61 | 8.73 | 9.80 | 10.80 | 11.80 | 12.70 | 13.50 | 14.25 | 14.55 |
| 45 | 7.67 | 8.89 | 10.10 | 11.25 | 12.35 | 13.35 | 14.30 | 15.20 | 15.55 |
| 50 | 7.67 | 9.00 | 10.30 | 11.60 | 12.80 | 13.95 | 15.05 | 16.10 | 16.50 |
| 55 | | 9.05 | 10.50 | 11.90 | 13.25 | 14.55 | 15.75 | 16.95 | 17.40 |
| | Current 400V, A | | | | | | | | |
| | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 |
| 20 | 14.20 | 14.98 | 15.70 | 16.36 | 16.96 | 17.49 | 17.96 | 18.36 | 18.50 |
| 25 | 14.52 | 15.51 | 16.43 | 17.30 | 18.10 | 18.85 | 19.52 | 20.14 | 20.37 |
| 30 | 14.74 | 15.93 | 17.06 | 18.13 | 19.14 | 20.09 | 20.98 | 21.80 | 22.11 |
| 35 | 14.89 | 16.27 | 17.60 | 18.87 | 20.09 | 21.24 | 22.33 | 23.36 | 23.75 |
| 40 | 14.96 | 16.55 | 18.07 | 19.54 | 20.96 | 22.31 | 23.60 | 24.84 | 25.31 |
| 45 | 15.00 | 16.77 | 18.49 | 20.16 | 21.77 | 23.32 | 24.81 | 26.24 | 26.80 |
| 50 | 15.00 | 16.96 | 18.88 | 20.74 | 22.54 | 24.28 | 25.97 | 27.60 | 28.24 |
| 55 | | 17.14 | 19.24 | 21.29 | 23.28 | 25.22 | 27.10 | 28.93 | 29.64 |
| | Mass Flow g/s | | | | | | | | |
| | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 |
| 20 | 99.50 | 125.50 | 157.00 | 194.00 | 239.00 | 291.00 | 353.00 | 424.00 | 456.00 |
| 25 | 96.50 | 122.00 | 153.00 | 191.00 | 235.00 | 287.00 | 348.00 | 419.00 | 451.00 |
| 30 | 93.00 | 119.00 | 150.00 | 187.00 | 230.00 | 282.00 | 342.00 | 413.00 | 445.00 |
| 35 | 89.50 | 115.50 | 146.00 | 183.00 | 226.00 | 277.00 | 337.00 | 407.00 | 439.00 |
| 40 | 86.00 | 112.00 | 142.50 | 179.00 | 221.00 | 272.00 | 331.00 | 401.00 | 432.00 |
| 45 | 82.50 | 108.50 | 138.50 | 174.00 | 216.00 | 266.00 | 325.00 | 394.00 | 425.00 |
| 50 | 78.50 | 104.50 | 135.00 | 170.00 | 212.00 | 261.00 | 319.00 | 388.00 | 419.00 |
| 55 | | 101.00 | 131.00 | 166.00 | 207.00 | 255.00 | 313.00 | 382.00 | 413.00 |

50Hz

D3SS-150X

R404A

DWM Copeland - Compressor - Refrigeration - Standard**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

| | |
|------------------------------|------------------|
| Number of cylinders | 3 |
| Displacement @ 50 Hz, cu.m/h | 49.9 |
| Bore/Stroke, mm | 61.9/63.5 |
| Length/Width, mm | 680/370 |
| Height, mm | 480 |
| Net Weight, kg | 162 |
| Gross Weight, kg | 177 |
| Suction, inch | 1 5/8 |
| Discharge, inch | 1 1/8 |
| Oil Quantity, l | 3.7 |
| Frequency Range, Hz | 25 - 60 |
| 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 | 30.2 |
| Locked Rotor Current, A | 125 |
| 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 |
| Crankcase Heater | 70W 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 |
| 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 | 1.26 |
| 440-480 V/3~/60H | 460 | EWD | Y/DELTA | DELTA | 1.00 |
| 380 V/3~/60Hz | 380 | AWX | YY/Y | Y | 1.26 |
| 440-480 V/3~/60H | 460 | AWD | YY/Y | Y | 1.00 |