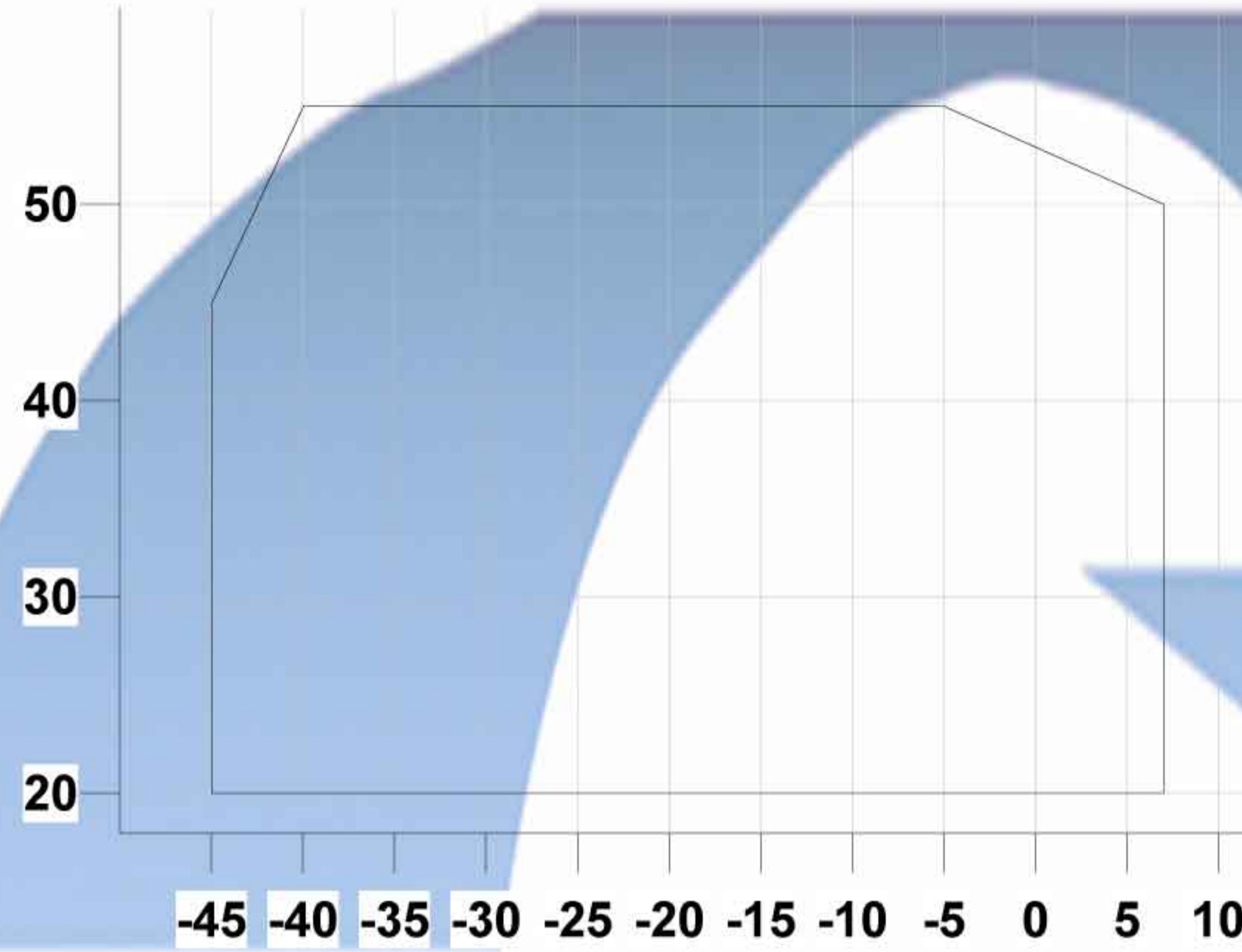


50Hz

DLL-40X

R404A



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

Suction Return Temperature 18.3°C

Evaporating Temperature °C

Liquid subcooling 0.0K

| Cond °C | Capacity kW     |       |       |       |       |       |       |       |        |        |        |        |
|---------|-----------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
|         | -45             | -40   | -35   | -30   | -25   | -20   | -15   | -10   | -5     | 0      | 5      | 7      |
| 20      | 2.25            | 3.14  | 4.25  | 5.59  | 7.21  | 9.12  | 11.35 | 13.95 | 16.95  | 20.30  | 24.10  | 25.80  |
| 25      | 1.96            | 2.80  | 3.85  | 5.11  | 6.64  | 8.44  | 10.55 | 13.00 | 15.85  | 19.05  | 22.70  | 24.30  |
| 30      | 1.67            | 2.47  | 3.45  | 4.64  | 6.07  | 7.76  | 9.75  | 12.05 | 14.75  | 17.80  | 21.20  | 22.70  |
| 35      | 1.39            | 2.14  | 3.05  | 4.16  | 5.49  | 7.07  | 8.94  | 11.10 | 13.60  | 16.50  | 19.75  | 21.20  |
| 40      | 1.11            | 1.80  | 2.65  | 3.68  | 4.91  | 6.38  | 8.12  | 10.15 | 12.50  | 15.20  | 18.25  | 19.60  |
| 45      | 0.84            | 1.48  | 2.25  | 3.19  | 4.33  | 5.69  | 7.29  | 9.18  | 11.35  | 13.90  | 16.75  | 18.05  |
| 50      |                 | 1.15  | 1.86  | 2.71  | 3.75  | 4.99  | 6.46  | 8.20  | 10.20  | 12.55  | 15.25  | 16.45  |
| 55      |                 | 0.84  | 1.46  | 2.23  | 3.16  | 4.28  | 5.62  | 7.21  | 9.07   |        |        |        |
| Cond °C | Power Input kW  |       |       |       |       |       |       |       |        |        |        |        |
|         | -45             | -40   | -35   | -30   | -25   | -20   | -15   | -10   | -5     | 0      | 5      | 7      |
| 20      | 1.64            | 1.88  | 2.14  | 2.39  | 2.63  | 2.87  | 3.08  | 3.27  | 3.43   | 3.56   | 3.64   | 3.66   |
| 25      | 1.59            | 1.86  | 2.13  | 2.41  | 2.67  | 2.93  | 3.17  | 3.38  | 3.57   | 3.72   | 3.83   | 3.86   |
| 30      | 1.55            | 1.85  | 2.15  | 2.45  | 2.75  | 3.04  | 3.31  | 3.56  | 3.77   | 3.96   | 4.10   | 4.15   |
| 35      | 1.50            | 1.83  | 2.17  | 2.51  | 2.84  | 3.17  | 3.48  | 3.77  | 4.03   | 4.26   | 4.45   | 4.51   |
| 40      | 1.40            | 1.77  | 2.16  | 2.55  | 2.93  | 3.31  | 3.67  | 4.01  | 4.32   | 4.60   | 4.84   | 4.92   |
| 45      | 1.24            | 1.67  | 2.11  | 2.55  | 2.99  | 3.42  | 3.84  | 4.24  | 4.61   | 4.95   | 5.25   | 5.36   |
| 50      |                 | 1.48  | 1.98  | 2.49  | 3.00  | 3.50  | 3.98  | 4.45  | 4.89   | 5.30   | 5.67   | 5.81   |
| 55      |                 | 1.20  | 1.78  | 2.36  | 2.94  | 3.51  | 4.07  | 4.62  | 5.13   |        |        |        |
| Cond °C | Current 400V, A |       |       |       |       |       |       |       |        |        |        |        |
|         | -45             | -40   | -35   | -30   | -25   | -20   | -15   | -10   | -5     | 0      | 5      | 7      |
| 20      | 4.37            | 4.59  | 4.85  | 5.12  | 5.39  | 5.63  | 5.84  | 5.99  | 6.06   | 6.04   | 5.92   | 5.83   |
| 25      | 4.36            | 4.61  | 4.89  | 5.20  | 5.51  | 5.82  | 6.09  | 6.31  | 6.47   | 6.54   | 6.52   | 6.47   |
| 30      | 4.34            | 4.61  | 4.92  | 5.27  | 5.63  | 5.99  | 6.32  | 6.62  | 6.86   | 7.03   | 7.10   | 7.10   |
| 35      | 4.31            | 4.59  | 4.94  | 5.32  | 5.73  | 6.14  | 6.54  | 6.91  | 7.24   | 7.49   | 7.67   | 7.71   |
| 40      | 4.26            | 4.56  | 4.93  | 5.35  | 5.80  | 6.27  | 6.73  | 7.18  | 7.58   | 7.93   | 8.21   | 8.29   |
| 45      | 4.18            | 4.50  | 4.89  | 5.35  | 5.85  | 6.37  | 6.90  | 7.41  | 7.90   | 8.34   | 8.71   | 8.84   |
| 50      |                 | 4.40  | 4.83  | 5.32  | 5.86  | 6.44  | 7.03  | 7.62  | 8.19   | 8.71   | 9.19   | 9.36   |
| 55      |                 | 4.28  | 4.73  | 5.25  | 5.84  | 6.47  | 7.12  | 7.78  | 8.43   |        |        |        |
| Cond °C | Mass Flow g/s   |       |       |       |       |       |       |       |        |        |        |        |
|         | -45             | -40   | -35   | -30   | -25   | -20   | -15   | -10   | -5     | 0      | 5      | 7      |
| 20      | 13.80           | 19.30 | 26.10 | 34.60 | 44.80 | 57.00 | 71.40 | 88.50 | 108.50 | 131.50 | 158.00 | 170.00 |
| 25      | 12.60           | 18.10 | 24.80 | 33.20 | 43.30 | 55.40 | 69.70 | 86.50 | 106.50 | 129.50 | 156.00 | 168.00 |
| 30      | 11.30           | 16.70 | 23.40 | 31.70 | 41.60 | 53.60 | 67.80 | 84.50 | 104.50 | 127.50 | 155.00 | 167.00 |
| 35      | 9.90            | 15.30 | 21.90 | 30.00 | 39.80 | 51.70 | 65.80 | 82.50 | 102.50 | 125.50 | 153.00 | 165.00 |
| 40      | 8.40            | 13.70 | 20.20 | 28.20 | 37.90 | 49.60 | 63.60 | 80.50 | 100.00 | 123.50 | 151.00 | 163.00 |
| 45      | 6.80            | 12.00 | 18.40 | 26.20 | 35.70 | 47.30 | 61.20 | 78.00 | 97.50  | 121.00 | 148.50 | 161.00 |
| 50      |                 | 10.10 | 16.30 | 24.00 | 33.40 | 44.80 | 58.60 | 75.00 | 95.00  | 118.50 | 147.00 | 160.00 |
| 55      |                 | 8.00  | 14.10 | 21.50 | 30.70 | 42.00 | 55.70 | 72.30 | 92.50  |        |        |        |

50Hz

DLL-40X

R404A

**DWM Copeland - Compressor - Refrigeration - Standard**

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

|                              |                  |
|------------------------------|------------------|
| Number of cylinders          | 2                |
| Displacement @ 50 Hz, cu.m/h | 18.2             |
| Bore/Stroke, mm              | 60.4/36.5        |
| Length/Width, mm             | 470/330          |
| Height, mm                   | 385              |
| Net Weight, kg               | 87               |
| Gross Weight, kg             | 93               |
| Suction, inch                | 1 1/8            |
| Discharge, inch              | 5/8              |
| Oil Quantity, l              | 2                |
| Frequency Range, Hz          | 25 - 60          |
| Base mounting (hole dia), mm | 295 x 279 (14.0) |
| Sound Pressure @ 1m, dBA     | 63.1             |
| Sound Power, dBA             | 74.1             |
| High Side PS, bar(g)         | 28               |
| Low Side PS, bar(g)          | 22.5             |

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

|                              |                |
|------------------------------|----------------|
| Maximum Operating Current, A | 9.5            |
| Locked Rotor Current, A      | 68.5           |
| Default Enclosure Class      | IP 54 (IEC 34) |

**ACCESSORIES INCLUDED**

Mounting Springs

4

**ACCESSORIES OPTIONAL**

Additional Cooling  
Additional Cooling  
Additional Cooling  
Crankcase Heater  
Adapter Kit  
Inverter

1 or 2 ways water Coil  
70W Vertical Air Flow Fan  
25W Horizontal Air Flow Fan  
70W Internal  
For Parallel Operation  
Control Techniques SKB 3400750

**MOTOR OPTIONS**

| Power Supply     | Nominal Voltage | Motor Code | Start Connection | DOL Connection | Amps Factor |
|------------------|-----------------|------------|------------------|----------------|-------------|
| 380-420 V/3~/50H | 400             | EWL        |                  | Y              | 1.00        |
| 220-240 V/3~/50H | 230             | EWL        | Y/DELTA          | DELTA          | 1.73        |
| 380-420 V/3~/50H | 400             | EWM        | Y/DELTA          | DELTA          | 1.00        |
| 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        |