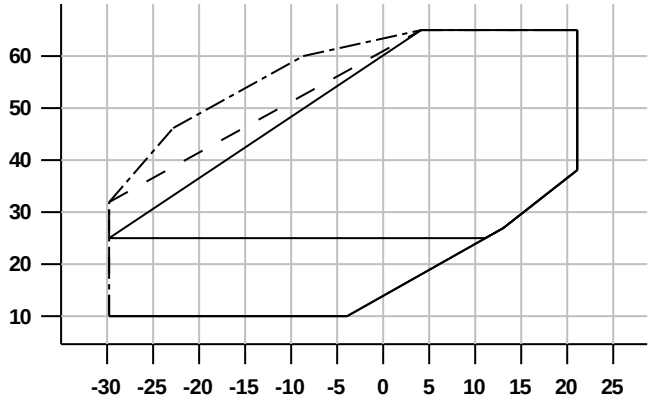


**Minimum evaporating temp. with:**

——— **25°C Suction Gas Return**

— — - **10K Suction Superheat**

—·—·— **5K Suction Superheat**

Suction Superheat 10,0K

## Evaporating Temperature °C

Liquid subcooling 0,0K

| Cond °C | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **Capacity kW** | | | | | | | |
| 10 | 13,10 | 16,15 | 19,65 | 23,80 | 28,70 | 34,50 | | | | | | | |
| 20 | 10,85 | 14,25 | 17,95 | 22,10 | 26,80 | 32,20 | 38,40 | 45,60 | | | | | |
| 30 | 7,40 | 11,45 | 15,55 | 19,90 | 24,60 | 29,80 | 35,60 | 42,20 | 45,10 | 49,70 | 53,90 | 58,30 | |
| 40 | | | 11,95 | 16,75 | 21,70 | 26,90 | 32,50 | 38,70 | 41,40 | 45,70 | 49,40 | 53,40 | 62,20 |
| 45 | | | | 14,60 | 19,75 | 25,00 | 30,70 | 36,80 | 39,40 | 43,50 | 47,20 | 51,00 | 59,30 |
| 50 | | | | | 17,45 | 22,90 | 28,60 | 34,70 | 37,20 | 41,20 | 44,70 | 48,40 | 56,40 |
| 55 | | | | | | 20,40 | 26,20 | 32,20 | 34,80 | 38,70 | 42,10 | 45,70 | 53,40 |
| 60 | | | | | | | 23,40 | 29,50 | 32,00 | 35,90 | 39,30 | 42,70 | 50,20 |
| 65 | | | | | | | | 26,30 | 28,90 | 32,70 | 36,10 | 39,50 | 46,70 |
| | | | | | | **Power Input kW** | | | | | | | |
| | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
| 10 | 3,98 | 3,98 | 3,94 | 3,82 | 3,57 | 3,13 | | | | | | | |
| 20 | 5,05 | 5,09 | 5,18 | 5,26 | 5,29 | 5,21 | 4,99 | 4,57 | | | | | |
| 30 | 6,39 | 6,31 | 6,34 | 6,46 | 6,59 | 6,71 | 6,76 | 6,69 | 6,62 | 6,46 | 6,27 | 6,02 | |
| 40 | | | 7,96 | 7,94 | 8,01 | 8,15 | 8,29 | 8,40 | 8,43 | 8,43 | 8,40 | 8,33 | 8,04 |
| 45 | | | | 8,94 | 8,93 | 9,01 | 9,14 | 9,27 | 9,32 | 9,36 | 9,38 | 9,36 | 9,22 |
| 50 | | | | | 10,05 | 10,05 | 10,10 | 10,25 | 10,30 | 10,35 | 10,40 | 10,40 | 10,35 |
| 55 | | | | | | 11,35 | 11,30 | 11,35 | 11,40 | 11,45 | 11,50 | 11,55 | 11,55 |
| 60 | | | | | | | 12,75 | 12,70 | 12,70 | 12,75 | 12,75 | 12,80 | 12,80 |
| 65 | | | | | | | | 14,35 | 14,30 | 14,25 | 14,25 | 14,25 | 14,25 |
| | | | | | | **Current 400V, A** | | | | | | | |
| | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
| 10 | 10,71 | 10,90 | 11,08 | 11,31 | 11,65 | 12,16 | | | | | | | |
| 20 | 11,63 | 11,83 | 11,97 | 12,10 | 12,27 | 12,55 | 13,00 | 13,67 | | | | | |
| 30 | 12,95 | 13,24 | 13,40 | 13,50 | 13,58 | 13,71 | 13,94 | 14,33 | 14,55 | 14,95 | 15,35 | 15,84 | |
| 40 | | | 15,44 | 15,57 | 15,63 | 15,68 | 15,77 | 15,96 | 16,08 | 16,32 | 16,57 | 16,88 | 17,73 |
| 45 | | | | 16,88 | 16,96 | 16,99 | 17,04 | 17,16 | 17,24 | 17,41 | 17,60 | 17,84 | 18,52 |
| 50 | | | | | 18,49 | 18,53 | 18,55 | 18,62 | 18,67 | 18,78 | 18,92 | 19,10 | 19,64 |
| 55 | | | | | | 20,31 | 20,32 | 20,35 | 20,38 | 20,45 | 20,54 | 20,67 | 21,08 |
| 60 | | | | | | | 22,35 | 22,36 | 22,37 | 22,41 | 22,47 | 22,56 | 22,86 |
| 65 | | | | | | | | 24,66 | 24,66 | 24,68 | 24,71 | 24,77 | 24,97 |
| | | | | | | **Mass Flow g/s** | | | | | | | |
| | -30 | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
| 10 | 69,80 | 85,00 | 102,00 | 122,50 | 146,00 | 173,00 | | | | | | | |
| 20 | 61,70 | 80,00 | 100,00 | 121,00 | 145,00 | 172,00 | 203,00 | 239,00 | | | | | |
| 30 | 45,40 | 69,20 | 93,00 | 117,00 | 143,00 | 171,00 | 202,00 | 237,00 | 252,00 | 276,00 | 297,00 | 320,00 | |
| 40 | | | 77,50 | 106,50 | 136,00 | 167,00 | 199,00 | 234,00 | 249,00 | 273,00 | 294,00 | 316,00 | 364,00 |
| 45 | | | | 97,50 | 129,50 | 162,00 | 196,00 | 232,00 | 247,00 | 271,00 | 292,00 | 314,00 | 362,00 |
| 50 | | | | | 120,00 | 155,00 | 191,00 | 228,00 | 244,00 | 268,00 | 289,00 | 312,00 | 359,00 |
| 55 | | | | | | 145,00 | 183,00 | 223,00 | 239,00 | 264,00 | 286,00 | 308,00 | 356,00 |
| 60 | | | | | | | 173,00 | 215,00 | 232,00 | 258,00 | 280,00 | 303,00 | 351,00 |
| 65 | | | | | | | | 203,00 | 221,00 | 248,00 | 272,00 | 295,00 | 345,00 |

## Copeland Scroll - Compressor - Air Conditioning - Standard

***COMPRESSOR MECHANICAL AND PHYSICAL DATA***

| | |
|---|---|
| Displacement @ 50 Hz, cu.m/h | 36.4 |
| Length/Width, mm | 264/285 |
| Height, mm | 552 |
| Net Weight, kg | 64.9 |
| Stub Suction, inch | 1 3/8 |
| Stub Discharge, inch | 7/8 |
| Oil Quantity, l | 3.38 |
| Base mounting (hole dia), mm | 190 x 190 (8.5) |
| Sound Pressure @ 1m (HT), dBA | 68 |
| Sound Power (HT), dBA | 79 |
| PED Category | 2 |
| Internal Free Volume, l | 14 |
| High Side PS, bar(g) | 32 |
| Low Side PS, bar(g) | 20 |
| Low Side TS Max., °C | 52 |
| Low Side TS Min., °C | -35 |

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

| | |
|---|---|
| Maximum Operating Current, A | 28 |
| Locked Rotor Current, A | 140 |
| Winding Resistance, ohm | 1.1 |
| Default Enclosure Class | IP 21 (IEC 34) |

***ACCESSORIES INCLUDED***

| | |
|---|---|
| Discharge Temperature Protection | ASTP Therm-O-Disc In Scroll |
| Enclosure Class | IP21 |
| Oil Service Valve | Schraeder Valve |
| Check Valve (NRV) | Discharge Low Leak Check Valve |

***ACCESSORIES OPTIONAL***

| | |
|---|---|
| Crankcase Heater | 90 W External |
| Enclosure Class | IP66 With Molded Plug |
| Mounting Grommets | Hard Mounts for Paralleling |
| Mounting Grommets | Rubber Grommet For Single |
| Adapter Kit | R1"1/4 -B 1"1/8 For TPTL for Parallel Operation |
| Oil Control System | ALCO Trax-Oil OM3 |
| Sound Attenuation | Sound Shell (12 dBA) |

***MOTOR OPTIONS***

| *Power Supply* | *Nominal Voltage* | *Motor Code* | *Start Connection* | *DOL Connection* | *Amps Factor* |
|---|---|---|---|---|---|
| 380-420 V/3~/50H | 400 | TFD | | Y | 1,00 |