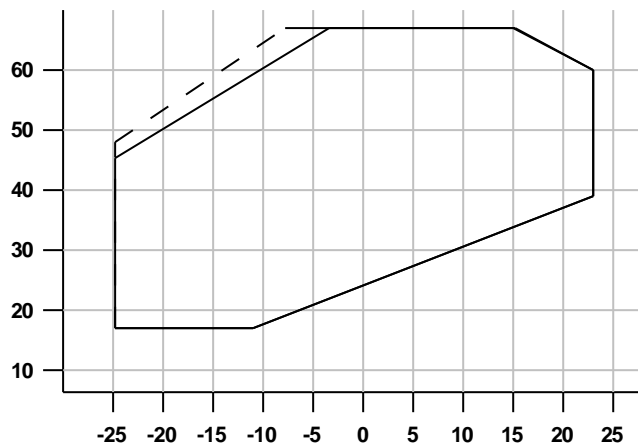


50Hz

ZH26K4E-TFD

R407C Dew Point



Minimum evaporating temp. with:

———— 10K Suction Superheat

- - - 5K Suction Superheat

Suction Superheat 5,0K

Evaporating Temperature °C

Liquid subcooling 4,0K

| Cond °C | Heating Capacity kW | | | | | | | | | | | |
|---------|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
| 17 | 4,91 | 5,89 | 7,07 | | | | | | | | | |
| 20 | 4,88 | 5,85 | 7,02 | 8,41 | | | | | | | | |
| 30 | 4,77 | 5,69 | 6,80 | 8,11 | 9,65 | 11,45 | 13,60 | 14,50 | | | | |
| 40 | 4,65 | 5,52 | 6,55 | 7,77 | 9,20 | 10,85 | 12,80 | 13,65 | 15,05 | 16,30 | 17,65 | 20,60 |
| 50 | | 5,38 | 6,32 | 7,43 | 8,74 | 10,25 | 12,05 | 12,80 | 14,10 | 15,20 | 16,45 | 19,15 |
| 55 | | | 6,22 | 7,28 | 8,51 | 9,96 | 11,65 | 12,40 | 13,60 | 14,70 | 15,85 | 18,40 |
| 60 | | | | 7,14 | 8,30 | 9,67 | 11,25 | 11,95 | 13,10 | 14,15 | 15,25 | 17,70 |
| 65 | | | | | 8,11 | 9,39 | 10,90 | 11,55 | 12,65 | 13,60 | 14,65 | |
| 67 | | | | | 8,04 | 9,29 | 10,75 | 11,40 | 12,45 | 13,40 | 14,40 | |
| | Power Input kW | | | | | | | | | | | |
| | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
| 17 | 1,25 | 1,28 | 1,31 | | | | | | | | | |
| 20 | 1,33 | 1,36 | 1,40 | 1,44 | | | | | | | | |
| 30 | 1,63 | 1,67 | 1,71 | 1,75 | 1,80 | 1,86 | 1,94 | 1,97 | | | | |
| 40 | 1,96 | 2,02 | 2,07 | 2,13 | 2,18 | 2,25 | 2,32 | 2,36 | 2,41 | 2,46 | 2,51 | 2,62 |
| 50 | | 2,43 | 2,50 | 2,58 | 2,65 | 2,73 | 2,81 | 2,85 | 2,91 | 2,96 | 3,01 | 3,13 |
| 55 | | | 2,75 | 2,84 | 2,93 | 3,01 | 3,10 | 3,14 | 3,20 | 3,26 | 3,31 | 3,44 |
| 60 | | | | 3,13 | 3,23 | 3,33 | 3,43 | 3,47 | 3,54 | 3,60 | 3,66 | 3,78 |
| 65 | | | | | 3,57 | 3,68 | 3,79 | 3,84 | 3,91 | 3,98 | 4,04 | |
| 67 | | | | | 3,71 | 3,83 | 3,95 | 4,00 | 4,07 | 4,14 | 4,21 | |
| | Current 400V, A | | | | | | | | | | | |
| | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
| 17 | 3,07 | 3,11 | 3,14 | | | | | | | | | |
| 20 | 3,16 | 3,19 | 3,23 | 3,27 | | | | | | | | |
| 30 | 3,46 | 3,50 | 3,55 | 3,60 | 3,65 | 3,72 | 3,80 | 3,84 | | | | |
| 40 | 3,82 | 3,89 | 3,95 | 4,02 | 4,09 | 4,17 | 4,26 | 4,29 | 4,36 | 4,42 | 4,48 | 4,63 |
| 50 | | 4,38 | 4,48 | 4,57 | 4,67 | 4,77 | 4,87 | 4,92 | 5,00 | 5,06 | 5,13 | 5,29 |
| 55 | | | 4,80 | 4,91 | 5,02 | 5,14 | 5,26 | 5,31 | 5,39 | 5,46 | 5,54 | 5,70 |
| 60 | | | | 5,29 | 5,43 | 5,56 | 5,70 | 5,76 | 5,84 | 5,92 | 6,01 | 6,18 |
| 65 | | | | | 5,88 | 6,04 | 6,20 | 6,26 | 6,36 | 6,45 | 6,54 | |
| 67 | | | | | 6,08 | 6,25 | 6,41 | 6,48 | 6,59 | 6,68 | 6,77 | |
| | Mass Flow g/s | | | | | | | | | | | |
| | -25 | -20 | -15 | -10 | -5 | 0 | 5 | 7 | 10 | 12,5 | 15 | 20 |
| 17 | 19,60 | 24,30 | 29,80 | | | | | | | | | |
| 20 | 19,50 | 24,20 | 29,80 | 36,40 | | | | | | | | |
| 30 | 18,90 | 23,80 | 29,40 | 36,10 | 43,80 | 52,80 | 63,10 | 67,60 | | | | |
| 40 | 18,10 | 23,00 | 28,70 | 35,40 | 43,10 | 52,10 | 62,30 | 66,80 | 74,00 | 80,50 | 87,00 | 102,00 |
| 50 | | 21,90 | 27,60 | 34,20 | 41,90 | 50,70 | 60,90 | 65,40 | 72,60 | 79,00 | 86,00 | 101,00 |
| 55 | | | 26,80 | 33,40 | 41,00 | 49,90 | 60,00 | 64,50 | 71,60 | 78,00 | 85,00 | 100,00 |
| 60 | | | | 32,50 | 40,10 | 48,80 | 58,90 | 63,40 | 70,50 | 77,00 | 84,00 | 99,00 |
| 65 | | | | | 38,90 | 47,60 | 57,70 | 62,10 | 69,30 | 75,50 | 82,50 | |
| 67 | | | | | 38,40 | 47,10 | 57,10 | 61,60 | 68,70 | 75,00 | 82,00 | |

Copeland Scroll - Heating - Heating - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

| | |
|-------------------------------|-----------------|
| Displacement @ 50 Hz, cu.m/h | 10 |
| Length/Width, mm | 243/242 |
| Height, mm | 400 |
| Net Weight, kg | 28 |
| Gross Weight, kg | 31 |
| Stub Suction, inch | 3/4 |
| Stub Discharge, inch | 1/2 |
| Oil Quantity, l | 1.45 |
| Base mounting (hole dia), mm | 190 x 190 (8.5) |
| Sound Pressure @ 1m (HT), dBA | 64 |
| Sound Power (HT), dBA | 75 |
| PED Category | 1 |
| Internal Free Volume, l | 3.1 |
| High Side PS, bar(g) | 32 |
| Low Side PS, bar(g) | 22.6 |
| Low Side TS Max., °C | 50 |

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

| | |
|------------------------------|----------------|
| Maximum Operating Current, A | 6.8 |
| Locked Rotor Current, A | 46 |
| Winding Resistance, ohm | 4.03 |
| Default Enclosure Class | IP 21 (IEC 34) |

ACCESSORIES INCLUDED

| | |
|-------------------|----------|
| Mounting Grommets | Standard |
|-------------------|----------|

ACCESSORIES OPTIONAL

| | |
|----------------------------------|---------------------|
| Crankcase Heater | 70 W External |
| Discharge Temperature Protection | External Thermostat |

MOTOR OPTIONS

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