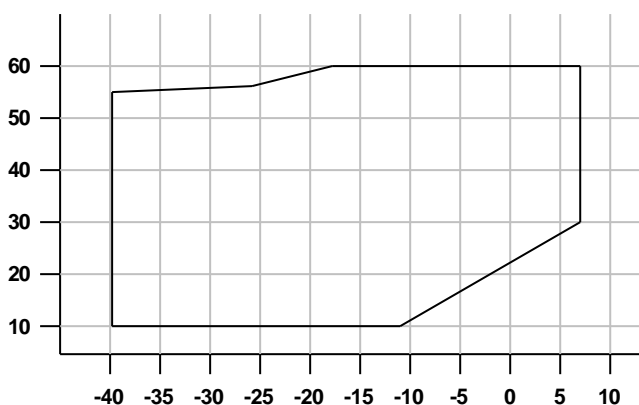


50Hz

ZF18K4E-TFD

R404A



Minimum evaporating temp. with:

———— 25°C Suction Gas Return + Liquid Injection

Suction Return Temperature 20,0°C

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	4,44	5,64	7,12	8,89	11,00	13,40					
20	4,10	5,19	6,51	8,09	9,95	12,10	14,65	17,50			
30	3,74	4,71	5,88	7,27	8,90	10,80	13,00	15,50	18,35	21,60	23,00
35	3,54	4,46	5,55	6,84	8,35	10,10	12,15	14,50	17,15	20,20	21,50
40	3,33	4,18	5,19	6,39	7,78	9,41	11,30	13,45	15,95	18,75	19,95
45	3,09	3,89	4,82	5,91	7,19	8,68	10,40	12,40	14,65	17,25	18,40
50	2,83	3,56	4,42	5,41	6,57	7,92	9,49	11,30	13,40	15,75	16,80
55	2,53	3,21	3,98	4,88	5,92	7,14	8,55	10,20	12,05	14,20	15,15
60						6,31	7,56	9,02	10,70	12,65	13,50
	Power Input kW										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	2,06	2,16	2,27	2,40	2,54	2,71					
20	2,38	2,48	2,60	2,73	2,88	3,05	3,23	3,43			
30	2,79	2,89	3,01	3,15	3,30	3,46	3,65	3,84	4,06	4,30	4,39
35	3,04	3,14	3,27	3,40	3,55	3,71	3,89	4,09	4,31	4,54	4,63
40	3,32	3,43	3,55	3,69	3,84	4,00	4,18	4,37	4,58	4,81	4,91
45	3,65	3,76	3,88	4,01	4,16	4,32	4,50	4,69	4,89	5,12	5,21
50	4,02	4,12	4,25	4,38	4,52	4,68	4,86	5,04	5,25	5,47	5,56
55	4,43	4,54	4,66	4,79	4,94	5,09	5,26	5,45	5,64	5,86	5,95
60						5,55	5,72	5,90	6,09	6,30	6,39
	Current 400V, A										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	5,82	5,89	5,98	6,10	6,25	6,42					
20	5,81	5,92	6,05	6,22	6,41	6,64	6,89	7,17			
30	5,97	6,10	6,27	6,47	6,70	6,96	7,26	7,58	7,92	8,30	8,45
35	6,16	6,30	6,48	6,69	6,93	7,21	7,52	7,85	8,22	8,61	8,78
40	6,44	6,59	6,77	6,99	7,25	7,54	7,86	8,21	8,59	8,99	9,16
45	6,83	6,98	7,17	7,40	7,66	7,96	8,29	8,65	9,04	9,46	9,63
50	7,35	7,50	7,70	7,92	8,19	8,49	8,83	9,19	9,59	10,02	10,20
55	8,02	8,17	8,36	8,58	8,85	9,15	9,49	9,86	10,27	10,71	10,89
60						9,96	10,30	10,68	11,08	11,52	11,71
	Mass Flow g/s										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	24,80	31,60	40,00	50,20	62,30	76,50					
20	25,00	31,70	39,90	49,80	61,60	75,50	92,00	110,50			
30	25,10	31,70	39,80	49,40	60,80	74,30	90,00	108,50	130,50	155,00	166,00
35	25,10	31,70	39,60	49,10	60,30	73,60	89,50	107,50	129,00	154,00	165,00
40	25,00	31,60	39,40	48,70	59,80	72,80	88,00	106,50	127,50	152,00	163,00
45	24,80	31,30	39,00	48,20	59,10	71,90	87,00	105,00	126,00	151,00	162,00
50	24,40	30,90	38,60	47,60	58,20	70,80	86,00	103,50	124,50	149,50	160,00
55	23,80	30,40	37,90	46,70	57,20	69,60	84,50	102,00	123,00	148,00	159,00
60						68,40	83,00	100,50	121,50	147,00	159,00

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

Displacement @ 50 Hz, cu.m/h	17.1
Length/Width, mm	241/244
Height, mm	458
Net Weight, kg	41
Gross Weight, kg	44
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	67
Sound Power, dBA	78
Sound Power with Sound Shell, dBA	68
PED Category	1
High Side PS, bar(g)	28.8
Low Side PS, bar(g)	21
Low Side TS Max., °C	50
Internal Free Volume, l	5.7

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

Maximum Operating Current, A	12.5
Locked Rotor Current, A	74
Winding Resistance, ohm	2.3
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	External Thermostat
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70W External
Current Sensing Relay	External
Liquid Injection	DTC Valve
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

**MOTOR OPTIONS**

<b>Power Supply</b>	<b>Nominal Voltage</b>	<b>Motor Code</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
380-420 V/3~/50H	400	TFD		Y	1,00
200-220 V/3~/50H	200	TF5		Y	2,09
200-230 V/3~/60H	230	TF5		Y	2,09
380 V/3~/60Hz	380	TF7		Y	1,26
460 V/3~/60Hz	460	TFD		Y	1,04