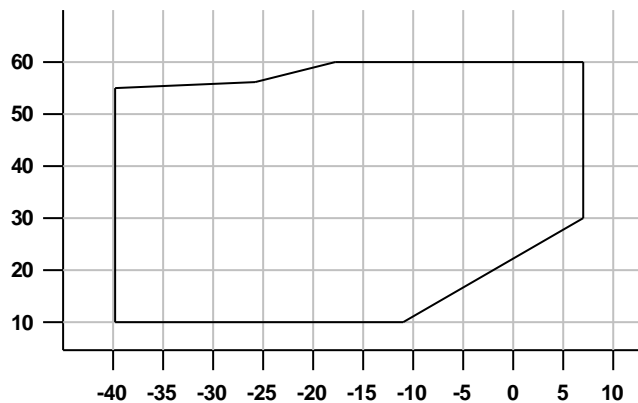


50Hz

ZF09K4E-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	2,07	2,63	3,30	4,09	5,03	6,13					
20	1,89	2,41	3,02	3,74	4,59	5,57	6,71	8,02			
30	1,72	2,19	2,73	3,37	4,12	4,99	6,00	7,16	8,49	10,00	10,65
35	1,63	2,07	2,58	3,18	3,87	4,69	5,63	6,71	7,96	9,37	9,99
40	1,53	1,94	2,42	2,97	3,62	4,37	5,24	6,25	7,41	8,73	9,31
45	1,43	1,81	2,25	2,76	3,35	4,04	4,84	5,77	6,85	8,08	8,61
50	1,32	1,67	2,07	2,53	3,07	3,69	4,43	5,28	6,26	7,40	7,89
55	1,20	1,52	1,88	2,29	2,77	3,33	3,99	4,76	5,66	6,69	7,15
60						2,95	3,53	4,22	5,03	5,97	6,38
	Power Input kW										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	1,03	1,07	1,13	1,21	1,30	1,40					
20	1,22	1,25	1,30	1,36	1,45	1,54	1,65	1,78			
30	1,46	1,48	1,52	1,58	1,65	1,74	1,85	1,96	2,10	2,24	2,30
35	1,61	1,62	1,66	1,71	1,78	1,87	1,97	2,08	2,21	2,35	2,41
40	1,77	1,78	1,81	1,86	1,93	2,01	2,11	2,22	2,34	2,48	2,53
45	1,96	1,96	1,99	2,03	2,09	2,17	2,26	2,37	2,49	2,62	2,68
50	2,17	2,17	2,19	2,22	2,28	2,35	2,44	2,54	2,66	2,79	2,85
55	2,40	2,39	2,41	2,44	2,49	2,56	2,64	2,74	2,85	2,98	3,03
60						2,78	2,86	2,96	3,07	3,19	3,24
	Current 400V, A										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	4,18	4,21	4,24	4,28	4,34	4,40					
20	4,25	4,27	4,31	4,35	4,40	4,47	4,55	4,65			
30	4,38	4,40	4,43	4,47	4,53	4,60	4,68	4,78	4,89	5,03	5,09
35	4,48	4,49	4,52	4,56	4,62	4,69	4,77	4,87	4,99	5,13	5,19
40	4,60	4,61	4,64	4,68	4,73	4,80	4,89	4,99	5,11	5,25	5,31
45	4,75	4,76	4,78	4,82	4,87	4,94	5,03	5,13	5,26	5,40	5,46
50	4,93	4,93	4,95	4,99	5,04	5,11	5,19	5,30	5,43	5,58	5,64
55	5,14	5,14	5,16	5,19	5,24	5,31	5,40	5,50	5,63	5,78	5,85
60						5,54	5,63	5,74	5,87	6,02	6,09
	Mass Flow g/s										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	11,60	14,70	18,50	23,10	28,60	35,00					
20	11,50	14,70	18,50	23,00	28,40	34,70	42,10	50,80			
30	11,60	14,70	18,50	22,90	28,10	34,30	41,60	50,20	60,20	71,90	77,00
35	11,60	14,70	18,40	22,80	28,00	34,10	41,30	49,80	59,80	71,50	77,00
40	11,60	14,70	18,40	22,70	27,80	33,80	41,00	49,40	59,30	71,10	76,50
45	11,50	14,60	18,20	22,50	27,50	33,50	40,50	48,90	58,80	70,60	76,00
50	11,40	14,50	18,10	22,20	27,20	33,00	40,00	48,30	58,20	70,10	75,50
55	11,30	14,40	17,90	21,90	26,80	32,50	39,40	47,70	57,60	69,60	75,00
60						32,00	38,80	47,10	57,20	69,40	75,00

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

Displacement @ 50 Hz, cu.m/h	8
Length/Width, mm	243/244
Height, mm	392
Net Weight, kg	27
Gross Weight, kg	30
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.5
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	62
Sound Power, dBA	73
Sound Power with Sound Shell, dBA	63
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	4.1

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

Maximum Operating Current, A	6
Locked Rotor Current, A	40
Winding Resistance, ohm	4.8
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
460 V/3~/60Hz	460	TFD		Y	1,04