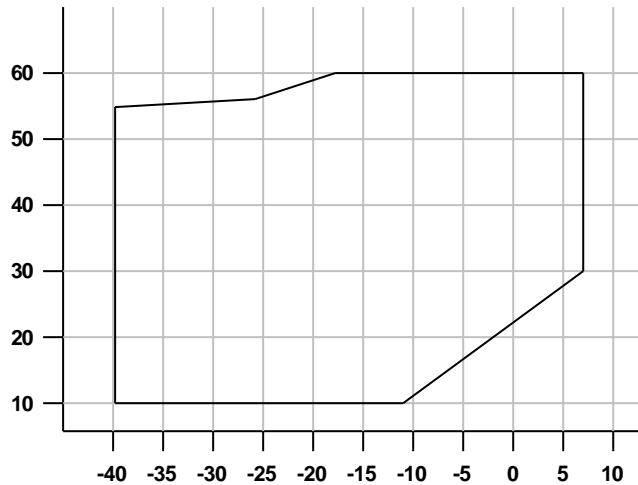


50Hz

ZF15K4E-TFD

R404A Dew Point



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	3,77	4,75	5,95	7,39	9,10	11,10					
20	3,43	4,34	5,43	6,74	8,27	10,05	12,15	14,50			
30	3,07	3,89	4,87	6,03	7,38	8,96	10,80	12,85	15,25	17,95	19,10
35	2,89	3,66	4,58	5,65	6,92	8,39	10,10	12,05	14,25	16,75	17,85
40	2,70	3,42	4,27	5,27	6,43	7,79	9,36	11,15	13,25	15,55	16,60
45	2,51	3,18	3,96	4,87	5,93	7,18	8,61	10,25	12,15	14,35	15,30
50	2,31	2,92	3,63	4,46	5,42	6,55	7,85	9,36	11,10	13,05	13,95
55	2,11	2,67	3,30	4,04	4,90	5,90	7,07	8,42	9,99	11,80	12,60
60						5,23	6,26	7,46	8,86	10,45	11,20
	Power Input kW										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	1,67	1,77	1,89	2,04	2,22	2,44					
20	2,00	2,11	2,22	2,35	2,51	2,71	2,94	3,23			
30	2,39	2,51	2,64	2,77	2,92	3,10	3,31	3,56	3,86	4,22	4,38
35	2,61	2,75	2,89	3,03	3,18	3,35	3,55	3,79	4,07	4,41	4,56
40	2,86	3,02	3,17	3,32	3,48	3,65	3,84	4,07	4,33	4,65	4,79
45	3,15	3,33	3,49	3,65	3,82	3,99	4,18	4,40	4,65	4,95	5,09
50	3,46	3,67	3,85	4,03	4,20	4,38	4,57	4,78	5,03	5,32	5,45
55	3,81	4,04	4,25	4,45	4,63	4,82	5,02	5,23	5,47	5,75	5,87
60						5,32	5,52	5,74	5,98	6,25	6,37
	Current 400V, A										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	4,90	5,25	5,54	5,80	6,05	6,29					
20	5,85	6,05	6,20	6,33	6,45	6,59	6,76	6,98			
30	6,34	6,46	6,54	6,61	6,69	6,80	6,95	7,16	7,45	7,84	8,03
35	6,51	6,61	6,69	6,76	6,84	6,96	7,12	7,36	7,68	8,10	8,31
40	6,67	6,78	6,86	6,95	7,06	7,20	7,40	7,68	8,05	8,52	8,75
45	6,87	7,00	7,11	7,24	7,39	7,58	7,83	8,16	8,59	9,14	9,40
50	7,13	7,31	7,47	7,65	7,86	8,11	8,44	8,85	9,36	10,00	10,29
55	7,51	7,74	7,97	8,22	8,51	8,85	9,26	9,77	10,38	11,13	11,46
60						9,82	10,34	10,96	11,69	12,56	12,95
	Mass Flow g/s										
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	21,00	26,50	33,30	41,60	51,40	63,00					
20	20,80	26,40	33,20	41,30	51,00	62,40	76,00	91,50			
30	20,50	26,10	32,80	40,80	50,20	61,40	74,50	90,00	107,50	128,50	137,50
35	20,40	25,90	32,50	40,40	49,70	60,80	73,70	89,00	106,50	127,50	136,50
40	20,20	25,70	32,20	40,00	49,20	60,00	72,80	88,00	105,50	126,00	135,00
45	20,00	25,50	31,90	39,50	48,50	59,20	71,70	86,50	104,00	124,50	134,00
50	19,90	25,30	31,60	39,00	47,80	58,20	70,60	85,50	102,50	123,00	132,50
55	19,80	25,10	31,30	38,50	47,10	57,30	69,40	84,00	101,50	122,00	131,50
60						56,40	68,40	83,00	100,00	121,00	130,50

**Copeland Scroll - Compressor - Refrigeration - LT Liquid Injection**

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	14.5
Length/Width, mm	246/251
Height, mm	442
Net Weight, kg	39
Gross Weight, kg	42
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 (LT), dBA	65
Sound Power (LT), dBA	76
Sound Power with Sound Shell (LT), dBA	66
PED Category	1
Internal Free Volume, l	5.9
High Side PS, bar(g)	32
Low Side PS, bar(g)	21
Low Side TS Max., °C	50

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

Maximum Operating Current, A	10
Locked Rotor Current, A	64
Winding Resistance, ohm	2.75
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	External Thermostat
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

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

**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
460 V/3~/60Hz	460	TFD		Y	1,04