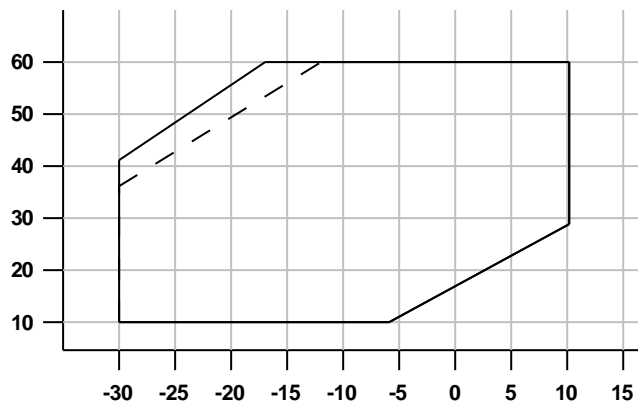


50Hz

ZB58KCE-TFD

R404A



Minimum evaporating temp. with:  
 ——— 10K Suction Superheat  
 - - - 20°C Suction Gas Return

Suction Return Temperature 20,0°C

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	9,10	11,20	13,75	16,70	20,20					
20	8,04	10,15	12,60	15,40	18,60	22,30	26,60			
30	6,70	8,82	11,15	13,75	16,70	20,10	23,90	28,30	30,20	33,20
35	5,91	8,03	10,30	12,85	15,65	18,85	22,40	26,50	28,30	31,20
40		7,16	9,41	11,85	14,50	17,50	20,90	24,70	26,40	29,00
45			8,41	10,75	13,30	16,10	19,25	22,80	24,40	26,80
50				9,57	12,00	14,60	17,55	20,80	22,20	24,50
55				8,31	10,60	13,05	15,75	18,75	20,00	22,10
60					9,09	11,35	13,85	16,55	17,75	19,60
	Power Input kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	2,85	2,91	2,97	3,02	3,07					
20	3,52	3,58	3,63	3,69	3,74	3,79	3,84			
30	4,40	4,45	4,49	4,53	4,57	4,61	4,66	4,70	4,71	4,74
35	4,95	4,98	5,01	5,05	5,08	5,11	5,14	5,17	5,19	5,21
40		5,60	5,62	5,64	5,65	5,67	5,69	5,72	5,72	5,74
45			6,31	6,31	6,31	6,32	6,32	6,33	6,33	6,34
50				7,08	7,07	7,05	7,04	7,03	7,02	7,02
55				7,96	7,92	7,88	7,85	7,82	7,81	7,79
60					8,89	8,83	8,77	8,72	8,70	8,67
	Current 400V, A									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	8,86	8,90	8,94	8,97	9,01					
20	9,38	9,43	9,48	9,52	9,57	9,61	9,65			
30	10,14	10,18	10,22	10,26	10,30	10,34	10,38	10,42	10,43	10,46
35	10,65	10,69	10,72	10,75	10,78	10,81	10,84	10,87	10,89	10,91
40		11,30	11,32	11,34	11,36	11,38	11,40	11,42	11,43	11,44
45			12,06	12,06	12,06	12,06	12,07	12,07	12,07	12,08
50				12,92	12,90	12,88	12,87	12,85	12,85	12,84
55				13,94	13,90	13,86	13,82	13,78	13,77	13,75
60					15,08	15,01	14,94	14,88	14,85	14,81
	Mass Flow g/s									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	51,20	63,40	78,00	95,50	116,00					
20	49,30	62,50	78,00	96,00	116,50	141,50	170,00			
30	45,30	59,90	76,00	94,50	116,00	140,50	170,00	203,00	218,00	243,00
35	42,20	57,60	74,50	93,50	115,00	140,00	169,00	202,00	217,00	242,00
40		54,60	72,20	91,50	113,50	138,50	167,00	201,00	216,00	241,00
45			69,10	89,00	111,00	136,50	165,00	199,00	215,00	239,00
50				85,50	108,50	134,00	163,00	197,00	213,00	238,00
55				81,00	104,50	130,50	160,00	195,00	210,00	236,00
60					100,00	126,50	157,00	193,00	209,00	235,00

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

Displacement @ 50 Hz, cu.m/h	22.1
Length/Width, mm	264/284
Height, mm	478
Net Weight, kg	57.2
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	2.5
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	65
Sound Power, dBA	76
Sound Power with Sound Shell, dBA	66
PED Category	2
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Internal Free Volume, l	10.5

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

Maximum Operating Current, A	15.6
Locked Rotor Current, A	95
Winding Resistance, ohm	1.8
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	90W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
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
575 V/3~/60Hz	575	TFE		Y	0,80
380 V/3~/60Hz	380	TF7		Y	1,26
460 V/3~/60Hz	460	TFD		Y	1,04