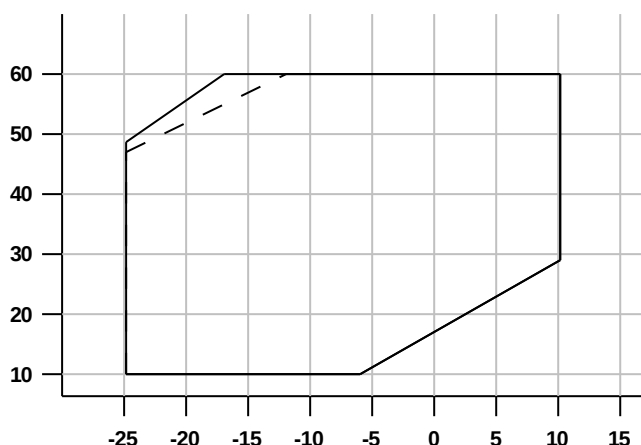


50Hz

ZB58KCE-TFD

R404A Dew Point



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								
	-25	-20	-15	-10	-5	0	5	7	10
10	11,20	13,75	16,70	20,20	22,30	26,60			
20	10,15	12,60	15,40	18,60	20,10	23,90	28,30	30,20	33,20
30	8,82	11,15	13,75	16,70	18,85	22,40	26,50	28,30	31,20
35	8,03	10,30	12,85	15,65	17,50	20,90	24,70	26,40	29,00
40	7,16	9,41	11,85	14,50	16,10	19,25	22,80	24,40	26,80
45	6,21	8,41	10,75	13,30	14,60	17,55	20,80	22,20	24,50
50		7,33	9,57	12,00	13,05	15,75	18,75	20,00	22,10
55			8,31	10,60	11,35	13,85	16,55	17,75	19,60
60				9,09	11,35	13,85	16,55	17,75	19,60
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	2,91	2,97	3,02	3,07	3,79	3,84			
20	3,58	3,63	3,69	3,74	4,61	4,66	4,70	4,71	4,74
30	4,45	4,49	4,53	4,57	5,11	5,14	5,17	5,19	5,21
35	4,98	5,01	5,05	5,08	5,67	5,69	5,72	5,72	5,74
40	5,60	5,62	5,64	5,65	6,32	6,32	6,33	6,33	6,34
45	6,31	6,31	6,31	6,31	7,05	7,04	7,03	7,02	7,02
50		7,10	7,08	7,07	7,88	7,85	7,82	7,81	7,79
55			7,96	7,92	8,83	8,77	8,72	8,70	8,67
60				8,89	8,83	8,77	8,72	8,70	8,67
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	8,90	8,94	8,97	9,01	9,61	9,65			
20	9,43	9,48	9,52	9,57	10,34	10,38	10,42	10,43	10,46
30	10,18	10,22	10,26	10,30	10,81	10,84	10,87	10,89	10,91
35	10,69	10,72	10,75	10,78	11,38	11,40	11,42	11,43	11,44
40	11,30	11,32	11,34	11,36	12,06	12,07	12,07	12,07	12,08
45	12,06	12,06	12,06	12,06	12,88	12,87	12,85	12,85	12,84
50		12,94	12,92	12,90	13,86	13,82	13,78	13,77	13,75
55			13,94	13,90	15,01	14,94	14,88	14,85	14,81
60				15,08	15,01	14,94	14,88	14,85	14,81
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	63,10	77,50	95,00	115,50	140,50	169,00			
20	62,30	77,50	95,50	116,00	140,00	169,00	202,00	217,00	242,00
30	59,60	76,00	94,50	115,50	139,00	168,00	201,00	216,00	241,00
35	57,40	74,20	93,00	114,50	137,50	166,00	200,00	215,00	240,00
40	54,40	71,90	91,00	113,00	136,00	165,00	198,00	213,00	238,00
45	50,40	68,70	88,50	110,50	133,00	162,00	196,00	211,00	236,00
50		64,60	85,00	108,00	130,00	159,00	194,00	209,00	234,00
55			80,50	104,00	126,00	156,00	192,00	207,00	233,00
60				99,50	126,00	156,00	192,00	207,00	233,00

50Hz

ZB58KCE-TFD

R404A Dew Point

Copeland Scroll - Compressor - Refrigeration - MT Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	22.1
Length/Width, mm	264/284
Height, mm	476
Net Weight, kg	57.2
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	2.51
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	65
Sound Power (MT), dBA	76
Sound Power with Sound Shell (MT), dBA	66
PED Category	2
Internal Free Volume, l	10.5
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

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	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
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
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