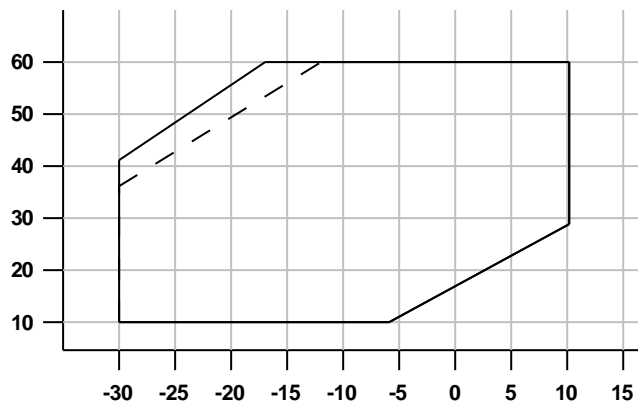


50Hz

ZB50KCE-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	8,15	10,10	12,35	15,05	18,20					
20	7,08	9,09	11,35	13,85	16,75	20,10	24,00			
30	5,59	7,72	9,95	12,35	15,05	18,10	21,50	25,50	27,30	30,10
35	4,69	6,88	9,12	11,50	14,10	16,95	20,20	23,90	25,60	28,20
40		5,92	8,19	10,55	13,05	15,75	18,80	22,30	23,80	26,20
45			7,15	9,46	11,90	14,50	17,35	20,60	22,00	24,20
50				8,29	10,65	13,10	15,80	18,75	20,10	22,10
55				7,01	9,29	11,65	14,15	16,90	18,10	19,95
60					7,84	10,10	12,45	14,95	16,05	17,75
	Power Input kW									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	2,54	2,58	2,62	2,65	2,67					
20	3,16	3,20	3,24	3,27	3,29	3,31	3,33			
30	4,01	4,03	4,04	4,06	4,07	4,08	4,08	4,08	4,08	4,08
35	4,55	4,55	4,55	4,55	4,54	4,54	4,53	4,52	4,52	4,51
40		4,55	5,13	5,11	5,09	5,07	5,05	5,02	5,01	4,99
45			5,80	5,76	5,72	5,68	5,64	5,59	5,58	5,55
50				6,51	6,44	6,38	6,31	6,25	6,22	6,18
55				7,37	7,27	7,18	7,09	7,00	6,96	6,91
60					8,22	8,09	7,97	7,85	7,80	7,73
	Current 400V, A									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	7,71	7,74	7,77	7,79	7,80					
20	8,19	8,22	8,26	8,29	8,31	8,33	8,34			
30	8,97	8,99	9,00	9,02	9,03	9,04	9,05	9,05	9,04	9,04
35	9,53	9,53	9,53	9,52	9,52	9,52	9,51	9,50	9,49	9,48
40		10,20	10,17	10,15	10,13	10,10	10,08	10,05	10,03	10,01
45			10,97	10,91	10,86	10,81	10,76	10,71	10,69	10,66
50				11,84	11,76	11,67	11,59	11,51	11,48	11,43
55				12,95	12,82	12,70	12,58	12,46	12,42	12,35
60					14,09	13,92	13,76	13,60	13,53	13,44
	Mass Flow g/s									
	-30	-25	-20	-15	-10	-5	0	5	7	10
10	45,90	57,00	70,10	86,00	104,50					
20	43,40	56,00	70,10	86,50	105,00	127,50	154,00			
30	37,80	52,40	68,00	85,00	104,50	127,00	153,00	184,00	197,00	220,00
35	33,50	49,40	65,90	83,50	103,50	126,00	152,00	183,00	196,00	219,00
40		45,20	62,90	81,50	102,00	124,50	151,00	181,00	195,00	217,00
45			58,70	78,50	99,50	122,50	149,00	180,00	193,00	216,00
50				74,10	96,00	120,00	147,00	178,00	192,00	214,00
55				68,40	92,00	116,50	144,50	176,00	190,00	213,00
60					86,00	112,50	141,50	174,00	188,00	212,00

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

Displacement @ 50 Hz, cu.m/h	19.8
Length/Width, mm	264/284
Height, mm	480
Net Weight, kg	57.2
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.5
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	64
Sound Power, dBA	75
Sound Power with Sound Shell, dBA	65
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	14.6
Locked Rotor Current, A	100
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**

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
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