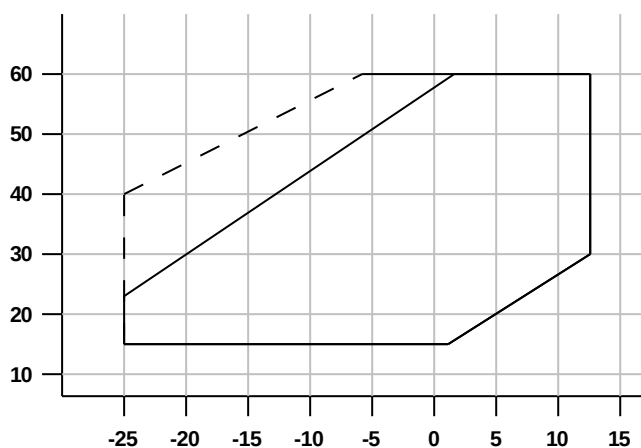


50Hz

ZB76KCE-TFD

R22



Minimum evaporating temp. with:

———— 25°C Suction Gas Return

- - - 10K Suction Superheat

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	12,5
15	11,70	14,50	17,90	22,00	26,70	32,20				
20	11,20	13,90	17,20	21,10	25,70	30,90	36,80			
30		12,75	15,85	19,50	23,70	28,50	34,00	36,30	40,10	43,40
35			15,15	18,65	22,70	27,30	32,60	34,80	38,40	41,60
40				17,80	21,70	26,10	31,20	33,30	36,80	39,80
45					20,60	24,90	29,70	31,80	35,10	38,00
50					19,50	23,60	28,20	30,20	33,30	36,10
55						22,20	26,60	28,50	31,50	34,20
60							24,80	26,70	29,60	32,10
	Power Input kW									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	2,94	3,00	3,02	3,03	3,06	3,14				
20	3,54	3,63	3,68	3,71	3,75	3,84	3,99			
30		4,81	4,91	4,97	5,02	5,11	5,24	5,32	5,47	5,62
35			5,54	5,61	5,67	5,74	5,87	5,93	6,06	6,20
40				6,30	6,36	6,42	6,53	6,59	6,70	6,82
45					7,13	7,18	7,26	7,31	7,40	7,51
50					8,00	8,04	8,10	8,14	8,21	8,29
55						9,04	9,07	9,09	9,15	9,21
60							10,20	10,20	10,25	10,30
	Current 400V, A									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	10,04	10,07	10,08	10,09	10,10	10,16				
20	10,51	10,58	10,62	10,65	10,69	10,77	10,88			
30		11,56	11,65	11,72	11,79	11,88	12,00	12,07	12,18	12,30
35			12,22	12,30	12,38	12,47	12,59	12,65	12,76	12,86
40				12,97	13,04	13,13	13,24	13,29	13,39	13,49
45					13,83	13,90	13,99	14,04	14,12	14,21
50					14,77	14,83	14,90	14,94	15,00	15,07
55						15,95	15,99	16,02	16,06	16,12
60							17,32	17,33	17,35	17,38
	Mass Flow g/s									
	-25	-20	-15	-10	-5	0	5	7	10	12,5
15	56,50	70,30	87,00	107,50	131,50	159,00				
20	55,60	69,50	86,50	106,50	130,00	158,00	189,00			
30		68,00	85,00	105,00	128,00	155,00	187,00	200,00	223,00	242,00
35			84,00	104,00	127,50	154,00	186,00	199,00	221,00	241,00
40				103,00	126,50	153,00	184,00	198,00	220,00	240,00
45					125,00	152,00	183,00	197,00	219,00	238,00
50					123,00	150,00	181,00	195,00	217,00	237,00
55						148,00	179,00	193,00	215,00	235,00
60							176,00	190,00	212,00	232,00

50Hz

ZB76KCE-TFD

R22

Copeland Scroll - Compressor - Refrigeration - Previous Gen.

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	29.1
Length/Width, mm	264/284
Height, mm	533
Net Weight, kg	61.2
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.25
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	66
Sound Power (MT), dBA	77
Sound Power with Sound Shell (MT), dBA	67
PED Category	2
Internal Free Volume, l	13.3
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	20.4
Locked Rotor Current, A	118
Winding Resistance, ohm	1.24
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Crankcase Heater	66W 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

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