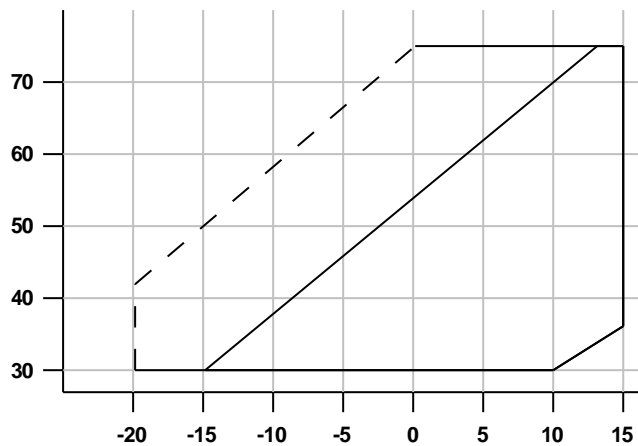


50Hz

ZR48K3E-TFD

R134a



Minimum evaporating temp. with:

———— 25°C Suction Gas Return

- - - - 10K Suction Superheat

Suction Superheat 10,0K

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	2,72	3,57	4,55	5,70	7,05	8,64	9,35	10,50		
40	2,29	3,10	4,03	5,09	6,33	7,78	8,43	9,47	10,40	11,45
45		2,84	3,73	4,76	5,95	7,33	7,94	8,93	9,83	10,80
50		2,55	3,42	4,41	5,54	6,85	7,44	8,38	9,23	10,15
55			3,09	4,04	5,12	6,37	6,92	7,81	8,61	9,48
60				3,65	4,68	5,86	6,38	7,22	7,98	8,80
65				3,25	4,23	5,34	5,83	6,63	7,34	8,11
70					3,76	4,81	5,27	6,01	6,68	7,40
75					3,28	4,26	4,69	5,39	6,01	6,68
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	1,39	1,39	1,40	1,41	1,41	1,40	1,39	1,36		
40	1,84	1,81	1,80	1,80	1,81	1,82	1,83	1,83	1,82	1,81
45		2,06	2,03	2,02	2,03	2,04	2,05	2,06	2,06	2,06
50		2,35	2,30	2,28	2,27	2,28	2,29	2,30	2,31	2,32
55			2,62	2,57	2,56	2,56	2,56	2,57	2,58	2,60
60				2,93	2,89	2,88	2,88	2,89	2,90	2,91
65				3,36	3,29	3,26	3,25	3,25	3,26	3,27
70					3,77	3,71	3,70	3,68	3,68	3,69
75					4,34	4,24	4,22	4,19	4,18	4,18
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	3,58	3,58	3,58	3,59	3,59	3,57	3,55	3,52		
40	4,02	3,98	3,97	3,98	4,00	4,02	4,02	4,02	4,02	4,01
45		4,26	4,23	4,22	4,24	4,26	4,27	4,28	4,29	4,29
50		4,61	4,55	4,53	4,53	4,55	4,56	4,58	4,59	4,60
55			4,96	4,90	4,89	4,89	4,90	4,92	4,94	4,95
60				5,38	5,33	5,32	5,32	5,33	5,34	5,36
65				5,96	5,87	5,83	5,82	5,82	5,83	5,84
70					6,54	6,46	6,44	6,42	6,42	6,42
75					7,34	7,21	7,18	7,14	7,12	7,11
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	17,90	22,90	28,60	35,20	42,70	51,30	55,10	61,20		
40	16,70	22,10	28,00	34,60	42,10	50,70	54,40	60,40	65,80	71,60
45		21,30	27,40	34,10	41,60	50,20	53,90	59,90	65,30	71,00
50		20,40	26,60	33,40	41,00	49,60	53,30	59,30	64,60	70,20
55			25,60	32,60	40,30	48,80	52,50	58,50	63,80	69,40
60				31,50	39,30	47,90	51,70	57,60	62,90	68,50
65				30,20	38,20	46,90	50,60	56,60	61,80	67,50
70					36,80	45,60	49,40	55,40	60,70	66,30
75					35,10	44,10	48,00	54,00	59,40	65,00

**Copeland Scroll - Compressor - Air Conditioning - Standard**
**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	11.4
Length/Width, mm	242/242
Height, mm	417
Net Weight, kg	30.8
Gross Weight, kg	32.7
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.36
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	57
Sound Power (HT), dBA	68
PED Category	1
Internal Free Volume, l	3.3
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50

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

Maximum Operating Current, A	10
Locked Rotor Current, A	50
Winding Resistance, ohm	3.88
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
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**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
460 V/3~/60Hz	460	TFD		Y	1,04