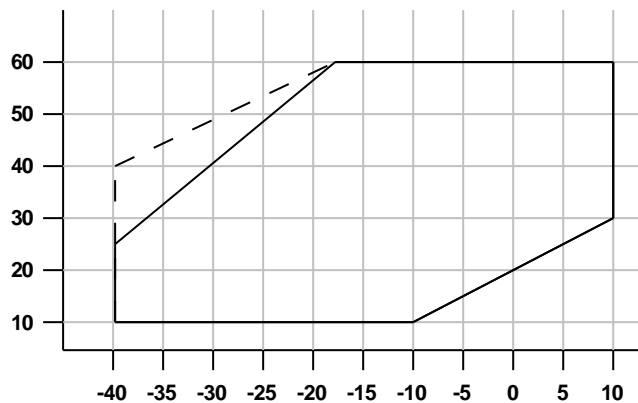


50Hz

ZB38KCE-TFD

R404A



Minimum evaporating temp. with:
 ——— 25°C Suction Gas Return
 - - - 10K Suction Superheat

Suction Return Temperature 18,3°C

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	3,71	4,70	5,91	7,36	9,09	11,10	13,45					
20	3,33	4,24	5,34	6,66	8,22	10,05	12,15	14,60	17,35			
30		3,73	4,72	5,89	7,27	8,88	10,75	12,90	15,40	18,15	19,40	21,30
35			4,38	5,48	6,76	8,27	10,00	12,05	14,35	16,95	18,10	19,95
40			4,04	5,05	6,24	7,64	9,26	11,15	13,30	15,75	16,80	18,50
45				4,61	5,70	6,99	8,48	10,20	12,20	14,50	15,50	17,05
50					5,15	6,32	7,68	9,27	11,10	13,20	14,10	15,60
55					4,58	5,63	6,86	8,30	9,97	11,90	12,75	14,10
60						4,93	6,02	7,31	8,81	10,55	11,30	12,55
	Power Input kW											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	1,85	1,85	1,85	1,85	1,84	1,82	1,79					
20	2,35	2,36	2,37	2,37	2,37	2,36	2,34	2,32	2,28			
30		2,97	2,98	2,99	3,00	3,00	2,99	2,97	2,95	2,92	2,90	2,87
35			3,34	3,35	3,36	3,36	3,36	3,35	3,33	3,30	3,28	3,26
40			3,73	3,75	3,76	3,76	3,76	3,76	3,74	3,71	3,70	3,68
45				4,18	4,19	4,20	4,20	4,20	4,19	4,16	4,15	4,13
50					4,67	4,68	4,68	4,68	4,67	4,65	4,64	4,63
55					5,18	5,20	5,20	5,20	5,20	5,18	5,17	5,16
60						5,76	5,77	5,77	5,77	5,76	5,75	5,74
	Current 400V, A											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	6,38	6,38	6,37	6,37	6,36	6,35	6,35					
20	6,82	6,85	6,87	6,88	6,89	6,89	6,89	6,89	6,89			
30		7,54	7,58	7,60	7,62	7,63	7,63	7,62	7,61	7,60	7,59	7,58
35			8,05	8,08	8,10	8,11	8,11	8,10	8,08	8,06	8,05	8,03
40			8,61	8,65	8,68	8,69	8,68	8,67	8,64	8,61	8,59	8,57
45				9,33	9,36	9,37	9,36	9,34	9,31	9,26	9,24	9,21
50					10,16	10,17	10,16	10,13	10,09	10,03	10,00	9,96
55					11,10	11,10	11,09	11,06	11,00	10,93	10,90	10,85
60						12,19	12,17	12,12	12,06	11,98	11,94	11,87
	Mass Flow g/s											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	20,90	26,50	33,50	41,90	52,10	64,00	78,00					
20	20,40	26,10	33,00	41,40	51,30	63,10	77,00	93,50	112,00			
30		25,40	32,20	40,40	50,20	61,80	75,50	91,50	110,50	132,50	142,00	158,00
35			31,60	39,70	49,40	60,90	74,40	90,50	109,00	131,00	141,00	157,00
40			31,00	39,00	48,50	59,80	73,20	89,00	108,00	130,00	139,50	156,00
45				38,00	47,40	58,60	71,90	87,50	106,50	128,50	138,50	155,00
50					46,20	57,30	70,40	86,00	105,00	127,00	137,00	154,00
55					44,90	55,80	68,80	84,50	103,50	126,00	136,00	153,00
60						54,30	67,30	83,00	102,00	125,00	135,50	153,00

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

Displacement @ 50 Hz, cu.m/h	14.4
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	37.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	61
Sound Power, dBA	72
Sound Power with Sound Shell, dBA	62
PED Category	1
High Side PS, bar(g)	28.8
Low Side PS, bar(g)	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Internal Free Volume, l	4.3

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

Maximum Operating Current, A	12.8
Locked Rotor Current, A	65.5
Winding Resistance, ohm	2.7
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70W External
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Connection Type	Approximate Factor for Amps
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
380 V/3~/60Hz	380	TF7	Y	1,26
460 V/3~/60Hz	460	TFD	Y	1,04