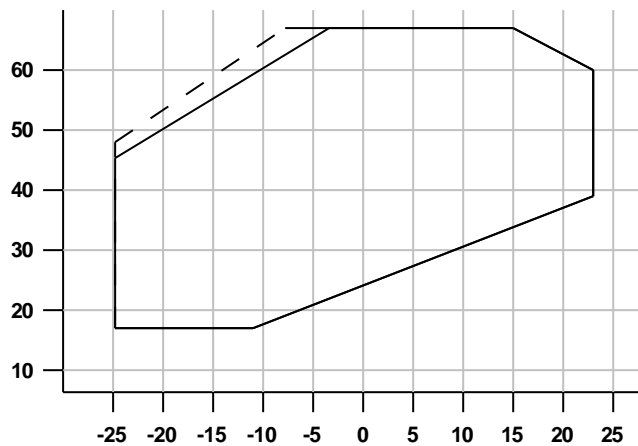


50Hz

ZH45K4E-TFD

R407C Dew Point



Minimum evaporating temp. with:

———— 10K Suction Superheat

- - - 5K Suction Superheat

Suction Superheat 5,0K

Evaporating Temperature °C

Liquid subcooling 4,0K

Cond °C	Heating Capacity kW												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	
17	8,21	9,94	12,00										
20	8,13	9,84	11,85	14,25									
30	7,89	9,52	11,45	13,70	16,30	19,35	22,90	24,50					
40	7,64	9,22	11,05	13,15	15,55	18,40	21,70	23,10	25,50	27,60	29,80	34,80	
50		8,93	10,65	12,60	14,90	17,50	20,50	21,90	24,00	26,00	28,00	32,60	
55			10,45	12,40	14,55	17,10	20,00	21,30	23,30	25,20	27,20	31,60	
60				12,15	14,25	16,65	19,45	20,70	22,70	24,40	26,30	30,60	
65					13,95	16,30	18,95	20,10	22,00	23,70	25,50		
67					13,85	16,10	18,75	19,90	21,80	23,40	25,20		
	Power Input kW												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	
17	2,06	2,14	2,21										
20	2,19	2,27	2,34	2,42									
30	2,62	2,74	2,84	2,93	3,02	3,12	3,23	3,29					
40	3,09	3,27	3,41	3,54	3,66	3,77	3,89	3,94	4,02	4,10	4,18	4,36	
50		3,85	4,07	4,26	4,43	4,58	4,73	4,78	4,87	4,95	5,03	5,20	
55			4,43	4,66	4,86	5,04	5,21	5,27	5,37	5,45	5,54	5,71	
60				5,08	5,32	5,54	5,73	5,81	5,92	6,01	6,10	6,29	
65					5,82	6,07	6,30	6,39	6,52	6,62	6,72		
67					6,02	6,30	6,54	6,63	6,77	6,88	6,98		
	Current 400V, A												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	
17	5,76	5,81	5,86										
20	5,86	5,91	5,97	6,03									
30	6,22	6,32	6,41	6,50	6,59	6,69	6,81	6,87					
40	6,66	6,85	7,00	7,14	7,27	7,40	7,53	7,59	7,69	7,77	7,87	8,08	
50		7,49	7,74	7,97	8,17	8,35	8,53	8,60	8,71	8,81	8,91	9,13	
55			8,17	8,45	8,70	8,92	9,13	9,22	9,35	9,45	9,56	9,79	
60				8,98	9,28	9,56	9,81	9,91	10,06	10,18	10,30	10,55	
65					9,93	10,26	10,56	10,68	10,85	10,99	11,13		
67					10,21	10,56	10,88	11,01	11,19	11,34	11,49		
	Mass Flow g/s												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	
17	32,90	41,10	50,70										
20	32,70	40,90	50,50	61,80									
30	31,70	40,00	49,80	61,10	74,20	89,50	106,50	114,00					
40	30,50	39,00	48,70	60,10	73,20	88,50	105,50	113,50	125,50	136,50	148,00	173,00	
50		37,60	47,40	58,80	71,90	87,00	104,50	112,00	124,50	135,50	147,00	173,00	
55			46,60	58,00	71,20	86,50	104,00	111,50	124,00	135,00	146,50	172,00	
60				57,10	70,30	85,50	103,00	111,00	123,50	134,50	146,50	172,00	
65					69,50	85,00	102,50	110,50	123,00	134,00	146,00		
67					69,10	84,50	102,50	110,00	123,00	134,00	146,00		

Copeland Scroll - Heating - Heating - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	17.1
Length/Width, mm	250/246
Height, mm	438
Net Weight, kg	40
Gross Weight, kg	42
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	50

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

Maximum Operating Current, A	11.8
Locked Rotor Current, A	74
Winding Resistance, ohm	2.47
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Discharge Temperature Protection	External Thermostat

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
460 V/3~/60Hz	460	TFD		Y	1,04