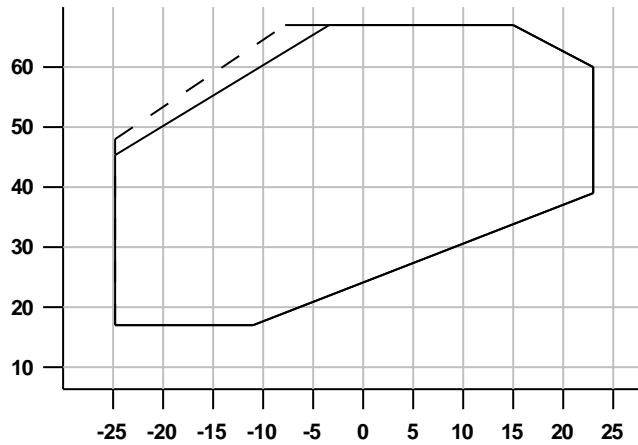


50Hz

ZH38K4E-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	6,77	8,19	9,90									
20	6,72	8,12	9,80	11,80								
30	6,55	7,90	9,49	11,35	13,60	16,15	19,20	20,50				
40	6,40	7,71	9,21	10,95	13,00	15,35	18,15	19,35	21,30	23,10	25,00	29,30
50		7,53	8,96	10,60	12,45	14,60	17,15	18,25	20,10	21,70	23,40	27,30
55			8,84	10,40	12,20	14,25	16,65	17,70	19,40	21,00	22,60	26,30
60				10,25	11,95	13,90	16,20	17,20	18,80	20,30	21,80	25,30
65					11,70	13,55	15,70	16,65	18,20	19,60	21,10	
67					11,60	13,45	15,55	16,45	17,95	19,30	20,80	
	Power Input kW											
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
17	1,67	1,74	1,81									
20	1,78	1,86	1,93	2,01								
30	2,18	2,29	2,37	2,45	2,53	2,64	2,78	2,84				
40	2,61	2,77	2,89	2,99	3,08	3,18	3,29	3,34	3,42	3,51	3,60	3,83
50		3,30	3,48	3,63	3,75	3,86	3,97	4,01	4,08	4,15	4,23	4,41
55			3,81	3,99	4,13	4,25	4,37	4,41	4,49	4,55	4,62	4,78
60				4,36	4,54	4,68	4,81	4,86	4,93	5,00	5,07	5,22
65					4,97	5,14	5,29	5,35	5,43	5,49	5,56	
67					5,15	5,34	5,50	5,55	5,64	5,71	5,78	
	Current 400V, A											
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
17	5,45	5,49	5,53									
20	5,54	5,58	5,62	5,68								
30	5,86	5,91	5,96	6,01	6,08	6,18	6,30	6,37				
40	6,27	6,35	6,42	6,49	6,56	6,65	6,76	6,82	6,91	6,99	7,09	7,33
50		6,95	7,06	7,16	7,26	7,36	7,48	7,53	7,62	7,70	7,79	8,01
55			7,46	7,59	7,71	7,82	7,95	8,01	8,10	8,18	8,27	8,48
60				8,09	8,23	8,37	8,51	8,57	8,67	8,76	8,85	9,06
65					8,84	9,01	9,17	9,24	9,34	9,43	9,53	
67					9,11	9,29	9,46	9,53	9,64	9,74	9,84	
	Mass Flow g/s											
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
17	27,30	34,00	41,90									
20	27,10	33,80	41,80	51,10								
30	26,30	33,20	41,20	50,70	61,70	74,40	89,00	95,50				
40	25,40	32,30	40,50	49,90	61,00	73,70	88,00	94,50	105,00	114,00	123,50	144,50
50		31,30	39,40	48,90	59,80	72,50	87,00	93,50	103,50	113,00	122,50	144,00
55			38,80	48,20	59,10	71,80	86,50	92,50	103,00	112,00	122,00	143,50
60				47,50	58,40	71,00	85,50	92,00	102,00	111,50	121,00	142,50
65					57,50	70,10	84,50	91,00	101,50	110,50	120,50	
67					57,20	69,70	84,50	90,50	101,00	110,50	120,00	

Copeland Scroll - Heating - Heating - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	14.4
Length/Width, mm	247/241
Height, mm	438
Net Weight, kg	37.3
Gross Weight, kg	40.3
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	63
Sound Power (HT), dBA	74
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	10.1
Locked Rotor Current, A	64
Winding Resistance, ohm	2.74
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