

50Hz

ZH15K1P-TFM

R410A



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	25
17	9,80	11,60	13,65	16,10									
20	9,68	11,45	13,50	15,85	18,65								
30	9,34	11,00	12,90	15,15	17,70	20,60	23,90	25,40	27,70				
40	9,09	10,65	12,40	14,45	16,80	19,45	22,50	23,80	26,00	27,80	29,90	34,20	39,10
50		10,40	12,00	13,85	15,95	18,35	21,10	22,30	24,20	25,90	27,70	31,70	36,20
55			11,85	13,60	15,55	17,85	20,40	21,50	23,40	25,00	26,70	30,40	34,70
60				13,40	15,25	17,35	19,75	20,80	22,50	24,00	25,70	29,20	33,20
65					14,95	16,90	19,15	20,20	21,70	23,20	24,70		
68						16,70	18,85	19,80	21,30				
	Power Input kW												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	25
17	2,40	2,42	2,43	2,42									
20	2,56	2,59	2,61	2,61	2,59								
30	3,11	3,17	3,22	3,26	3,28	3,28	3,25	3,24	3,20				
40	3,73	3,82	3,90	3,98	4,05	4,09	4,12	4,12	4,12	4,11	4,10	4,04	3,94
50		4,61	4,74	4,86	4,97	5,07	5,15	5,17	5,21	5,23	5,24	5,25	5,23
55			5,23	5,37	5,51	5,63	5,74	5,78	5,83	5,87	5,90	5,95	5,96
60				5,95	6,11	6,27	6,41	6,46	6,53	6,58	6,63	6,71	6,76
65					6,79	6,98	7,14	7,21	7,30	7,37	7,44		
68						7,44	7,63	7,70	7,80				
	Current 400V, A												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	25
17	5,71	5,73	5,74	5,74									
20	5,85	5,88	5,90	5,90	5,89								
30	6,38	6,44	6,49	6,53	6,56	6,56	6,53	6,51	6,47				
40	7,05	7,15	7,25	7,34	7,42	7,48	7,51	7,52	7,52	7,51	7,49	7,42	7,30
50		8,12	8,28	8,44	8,58	8,71	8,82	8,85	8,90	8,93	8,95	8,96	8,93
55			8,93	9,12	9,30	9,47	9,62	9,67	9,74	9,80	9,84	9,90	9,92
60				9,91	10,13	10,34	10,54	10,61	10,71	10,78	10,85	10,96	11,03
65					11,08	11,34	11,59	11,68	11,81	11,91	12,00		
68						12,01	12,28	12,38	12,53				
	Mass Flow g/s												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	25
17	38,40	46,80	56,70	68,20									
20	37,90	46,40	56,30	67,80	81,00								
30	36,50	45,10	55,00	66,40	79,50	94,50	112,00	119,50	131,00				
40	35,20	43,80	53,70	65,00	78,00	93,00	110,00	117,00	129,00	139,50	151,00	176,00	203,00
50		42,60	52,30	63,50	76,00	91,00	107,50	115,00	126,50	137,00	148,00	173,00	201,00
55			51,70	62,70	75,50	89,50	106,50	113,50	125,50	136,00	147,00	172,00	199,00
60				62,00	74,50	89,00	105,50	112,50	124,50	135,00	146,00	171,00	199,00
65					74,00	88,50	105,00	112,50	124,00	134,50	146,00		
68						89,00	105,50	113,00	125,00				

50Hz

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R410A

Copeland Scroll - Heating - Heating - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	11.7
Length/Width, mm	245/249
Height, mm	442
Net Weight, kg	39.5
Gross Weight, kg	46
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	67
Sound Power (HT), dBA	78
High Side PS, bar(g)	46
Low Side PS, bar(g)	28
Low Side TS Max., °C	50

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

Maximum Operating Current, A	13
Locked Rotor Current, A	75
Winding Resistance, ohm	2.27
Default Enclosure Class	IP 21 (IEC 34)

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	TFM		Y	1,00