

50Hz

ZH09K1P-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	5,70	6,72	7,92	9,33									
20	5,64	6,66	7,85	9,23	10,85								
30	5,47	6,46	7,60	8,90	10,40	12,15	14,10	15,00	16,35				
40	5,35	6,30	7,36	8,57	9,95	11,50	13,30	14,10	15,35	16,50	17,70	20,30	23,30
50		6,15	7,13	8,23	9,47	10,85	12,45	13,15	14,30	15,30	16,35	18,70	21,40
55			7,02	8,06	9,22	10,55	12,05	12,70	13,75	14,70	15,70	17,85	20,40
60				7,89	8,97	10,20	11,60	12,20	13,15	14,05	14,95	17,00	19,35
65					8,72	9,86	11,15	11,70	12,60	13,40	14,25		
68						9,65	10,85	11,40	12,25				
	Power Input kW												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	25
17	1,39	1,40	1,40	1,39									
20	1,49	1,50	1,51	1,50	1,49								
30	1,82	1,87	1,89	1,90	1,90	1,89	1,86	1,85	1,83				
40	2,20	2,28	2,34	2,37	2,39	2,39	2,38	2,37	2,35	2,34	2,32	2,28	2,24
50		2,74	2,84	2,91	2,96	2,98	2,99	2,99	2,98	2,97	2,96	2,92	2,88
55			3,12	3,21	3,28	3,32	3,34	3,34	3,34	3,33	3,33	3,30	3,26
60				3,54	3,62	3,68	3,72	3,72	3,73	3,73	3,73	3,71	3,68
65					4,00	4,07	4,13	4,14	4,16	4,17	4,17		
68						4,33	4,39	4,41	4,43				
	Current 400V, A												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	25
17	2,96	2,98	2,99	2,97									
20	3,10	3,14	3,14	3,14	3,11								
30	3,60	3,66	3,70	3,71	3,70	3,68	3,65	3,63	3,61				
40	4,11	4,22	4,29	4,33	4,35	4,35	4,34	4,33	4,31	4,29	4,27	4,23	4,19
50		4,81	4,93	5,02	5,07	5,11	5,12	5,12	5,11	5,10	5,09	5,06	5,03
55			5,27	5,38	5,46	5,51	5,54	5,55	5,55	5,55	5,54	5,53	5,50
60				5,76	5,87	5,94	5,99	6,00	6,02	6,02	6,03	6,02	6,00
65					6,29	6,39	6,46	6,49	6,51	6,53	6,54		
68						6,67	6,76	6,79	6,82				
	Mass Flow g/s												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	25
17	22,30	27,20	32,90	39,60									
20	22,10	27,00	32,80	39,50	47,30								
30	21,40	26,50	32,30	39,10	46,90	55,90	66,10	70,60	78,00				
40	20,70	25,80	31,80	38,50	46,30	55,20	65,30	69,70	77,00	83,00	90,00	105,00	121,50
50		25,10	30,90	37,60	45,20	53,90	63,90	68,30	75,50	81,50	88,50	103,00	120,00
55			30,40	37,00	44,50	53,10	63,00	67,40	74,30	80,50	87,50	102,00	118,50
60				36,30	43,70	52,30	62,00	66,40	73,30	79,50	86,00	101,00	117,50
65					43,00	51,40	61,20	65,50	72,40	78,50	85,50		
68						51,20	60,90	65,30	72,20				

Copeland Scroll - Heating - Heating - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	6.93
Length/Width, mm	242/242
Height, mm	418
Net Weight, kg	33
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.24
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)	46
Low Side PS, bar(g)	28

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

Maximum Operating Current, A	7.4
Locked Rotor Current, A	51.5
Winding Resistance, ohm	3.2
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES OPTIONAL

Crankcase Heater	40 W External
------------------	---------------

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TFM		Y	1,00