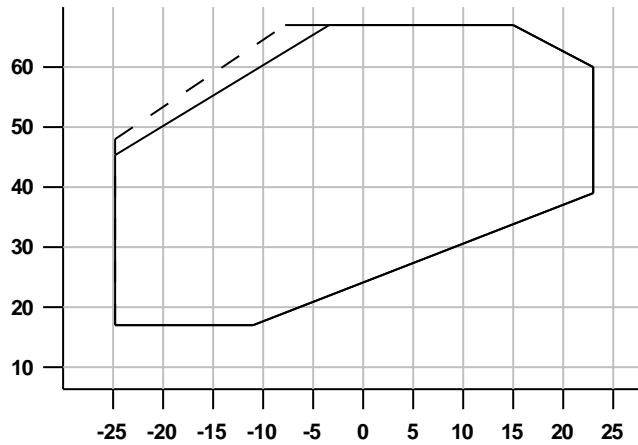


50Hz

ZH30K4E-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	5,54	6,68	8,09										
20	5,50	6,62	8,00	9,66									
30	5,39	6,44	7,72	9,26	11,10	13,25	15,80	16,90					
40	5,35	6,32	7,49	8,89	10,55	12,55	14,85	15,85	17,50	19,00	20,60	24,20	
50		6,28	7,33	8,59	10,10	11,85	13,95	14,85	16,35	17,70	19,20	22,40	
55			7,29	8,47	9,88	11,55	13,50	14,40	15,80	17,10	18,50	21,60	
60				8,39	9,70	11,25	13,10	13,95	15,30	16,50	17,80	20,70	
65					9,56	11,00	12,75	13,50	14,75	15,90	17,15		
67					9,51	10,90	12,60	13,35	14,55	15,70	16,90		
	Power Input kW												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	
17	1,44	1,49	1,53										
20	1,54	1,58	1,63	1,68									
30	1,87	1,93	1,98	2,04	2,09	2,15	2,22	2,25					
40	2,25	2,34	2,41	2,48	2,54	2,61	2,68	2,71	2,75	2,79	2,84	2,94	
50		2,83	2,93	3,02	3,11	3,19	3,26	3,30	3,35	3,39	3,43	3,53	
55			3,23	3,34	3,44	3,53	3,61	3,65	3,70	3,75	3,79	3,89	
60				3,69	3,80	3,91	4,01	4,04	4,10	4,15	4,20	4,30	
65					4,21	4,33	4,44	4,48	4,55	4,60	4,65		
67					4,38	4,51	4,63	4,67	4,74	4,80	4,85		
	Current 400V, A												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	
17	4,07	4,11	4,15										
20	4,13	4,18	4,22	4,27									
30	4,38	4,45	4,51	4,57	4,63	4,70	4,80	4,84					
40	4,68	4,80	4,90	4,99	5,07	5,15	5,23	5,27	5,34	5,40	5,47	5,63	
50		5,24	5,41	5,54	5,66	5,77	5,87	5,91	5,98	6,04	6,10	6,25	
55			5,70	5,87	6,02	6,14	6,26	6,31	6,38	6,45	6,51	6,65	
60				6,23	6,41	6,57	6,71	6,77	6,85	6,91	6,98	7,13	
65					6,86	7,04	7,21	7,28	7,37	7,45	7,52		
67					7,04	7,25	7,43	7,50	7,60	7,68	7,76		
	Mass Flow g/s												
	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20	
17	21,90	27,40	33,90										
20	21,80	27,20	33,80	41,70									
30	21,30	26,70	33,20	41,10	50,30	61,00	73,50	79,00					
40	20,80	26,10	32,50	40,20	49,30	59,90	72,20	77,50	86,50	94,00	102,50	120,50	
50		25,60	31,80	39,20	48,00	58,40	70,60	76,00	84,50	92,50	100,50	119,00	
55			31,40	38,60	47,30	57,60	69,60	74,90	83,50	91,00	99,50	117,50	
60				38,10	46,60	56,60	68,50	73,80	82,50	90,00	98,50	116,50	
65					45,80	55,70	67,40	72,70	81,00	89,00	97,00		
67					45,50	55,30	67,00	72,20	80,50	88,50	96,50		

Copeland Scroll - Heating - Heating - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	11.7
Length/Width, mm	247/241
Height, mm	438
Net Weight, kg	39.5
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	62
Sound Power (HT), dBA	73
High Side PS, bar(g)	32
Low Side PS, bar(g)	20
Low Side TS Max., °C	50

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

Maximum Operating Current, A	8.23
Locked Rotor Current, A	64
Winding Resistance, ohm	2.95
Default Enclosure Class	IP 21 (IEC 34)

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TFD		Y	1,00
220-240 V/3~/50H	230	TFR		Y	1,73
460 V/3~/60Hz	460	TFD		Y	1,04