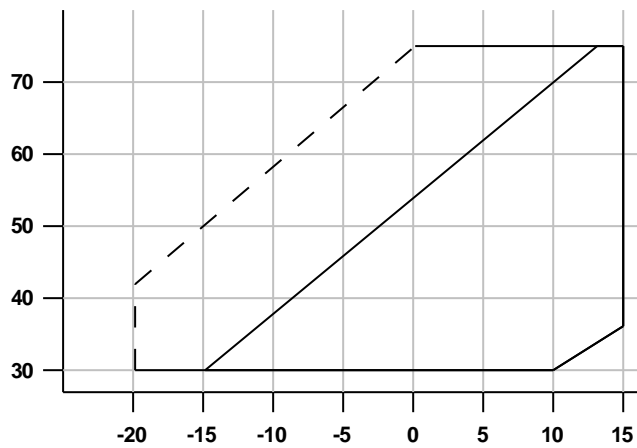


50Hz

ZR40K3E-TFD

R134a



Minimum evaporating temp. with:
 ——— 25°C Suction Gas Return
 - - - 10K Suction Superheat

Suction Superheat 10,0K

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	2,22	2,92	3,76	4,73	5,84	7,09	7,64	8,51		
40	1,83	2,48	3,25	4,16	5,21	6,41	6,93	7,76	8,50	9,27
45		2,28	3,01	3,89	4,90	6,06	6,57	7,37	8,09	8,85
50		2,08	2,78	3,61	4,58	5,70	6,19	6,97	7,67	8,40
55			2,55	3,33	4,26	5,33	5,80	6,55	7,22	7,93
60				3,04	3,91	4,93	5,38	6,10	6,75	7,43
65				2,74	3,55	4,51	4,94	5,62	6,24	6,89
70					3,16	4,06	4,46	5,11	5,69	6,31
75					2,74	3,57	3,94	4,55	5,09	5,68
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	1,20	1,17	1,15	1,14	1,14	1,13	1,13	1,12		
40	1,61	1,56	1,53	1,51	1,50	1,49	1,49	1,49	1,49	1,48
45		1,77	1,73	1,70	1,69	1,68	1,68	1,68	1,68	1,67
50		2,01	1,95	1,92	1,90	1,89	1,89	1,88	1,88	1,88
55			2,21	2,16	2,13	2,12	2,12	2,11	2,11	2,11
60				2,44	2,40	2,38	2,37	2,37	2,37	2,37
65				2,76	2,71	2,68	2,67	2,67	2,66	2,66
70					3,07	3,03	3,02	3,01	3,00	3,00
75					3,48	3,44	3,42	3,41	3,40	3,39
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	3,19	3,15	3,10	3,05	3,01	2,98	2,98	2,99		
40	3,66	3,63	3,59	3,53	3,46	3,39	3,37	3,34	3,32	3,30
45		3,85	3,81	3,75	3,68	3,61	3,58	3,53	3,50	3,47
50		4,06	4,04	4,00	3,93	3,85	3,81	3,76	3,72	3,68
55			4,30	4,27	4,21	4,13	4,09	4,04	3,99	3,94
60				4,59	4,55	4,47	4,44	4,38	4,33	4,28
65				4,98	4,96	4,90	4,86	4,81	4,76	4,71
70					5,45	5,41	5,39	5,34	5,29	5,24
75					6,06	6,04	6,03	5,99	5,95	5,90
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	14,60	18,80	23,70	29,20	35,30	42,10	45,00	49,60		
40	13,30	17,60	22,60	28,30	34,60	41,70	44,80	49,50	53,70	58,00
45		17,10	22,10	27,80	34,30	41,50	44,60	49,50	53,70	58,10
50		16,60	21,60	27,40	33,90	41,20	44,40	49,30	53,60	58,20
55			21,10	26,90	33,50	40,90	44,00	49,10	53,50	58,10
60				26,20	32,90	40,30	43,50	48,60	53,10	57,80
65				25,40	32,00	39,60	42,80	48,00	52,50	57,30
70					30,90	38,50	41,80	47,00	51,60	56,50
75					29,40	37,00	40,30	45,60	50,30	55,30

Copeland Scroll - Compressor - Air Conditioning - Standard
COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	9.43
Length/Width, mm	242/242
Height, mm	400
Net Weight, kg	27
Gross Weight, kg	31
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.1
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	57
Sound Power (HT), dBA	68
PED Category	1
Internal Free Volume, l	3.1
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50

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

Maximum Operating Current, A	7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

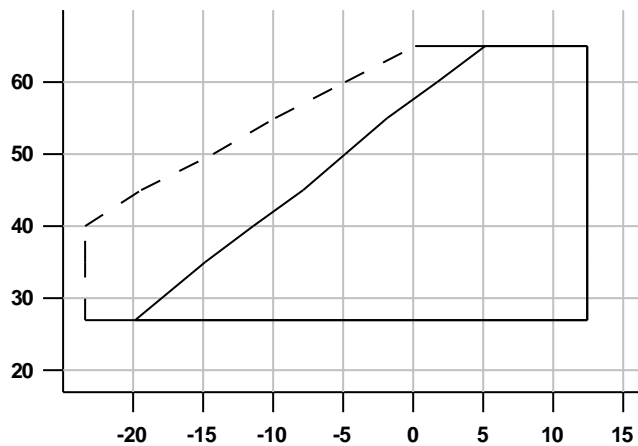
Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
------------------	---------------

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
200-220 V/3~/50H	200	TF5		Y	2,09
200-230 V/3~/60H	230	TF5		Y	2,09
460 V/3~/60Hz	460	TFD		Y	1,04


Minimum evaporating temp. with:

——— 25°C Suction Gas Return

- - - 10K Suction Superheat

Suction Superheat 10,0K

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW								
	-20	-15	-10	-5	0	5	7	10	12,5
27	4,10	5,13	6,33	7,70	9,28	11,05	11,85	13,10	14,20
30	3,98	4,98	6,15	7,50	9,04	10,80	11,55	12,80	13,85
35	3,76	4,73	5,85	7,15	8,63	10,35	11,05	12,25	13,30
40	3,54	4,47	5,55	6,79	8,22	9,85	10,55	11,70	12,70
45		4,21	5,23	6,42	7,79	9,35	10,05	11,15	12,10
50			4,91	6,04	7,35	8,84	9,50	10,55	11,50
55			4,58	5,65	6,89	8,32	8,95	9,96	10,85
60				5,25	6,42	7,78	8,38	9,34	10,20
65					5,94	7,22	7,79	8,71	9,53
	Power Input kW								
	-20	-15	-10	-5	0	5	7	10	12,5
27	1,66	1,66	1,64	1,62	1,59	1,57	1,56	1,54	1,53
30	1,78	1,78	1,76	1,74	1,72	1,69	1,68	1,67	1,65
35	2,00	2,00	1,99	1,97	1,94	1,92	1,91	1,89	1,88
40	2,24	2,24	2,23	2,21	2,19	2,16	2,15	2,13	2,12
45		2,51	2,50	2,48	2,46	2,43	2,42	2,40	2,38
50			2,80	2,78	2,76	2,73	2,71	2,69	2,67
55			3,14	3,12	3,09	3,06	3,04	3,02	3,00
60				3,50	3,47	3,43	3,41	3,38	3,36
65					3,88	3,84	3,82	3,79	3,77
	Current 400V, A								
	-20	-15	-10	-5	0	5	7	10	12,5
27	3,68	3,67	3,65	3,62	3,60	3,57	3,57	3,56	3,56
30	3,82	3,81	3,79	3,76	3,73	3,70	3,69	3,68	3,67
35	4,06	4,06	4,04	4,01	3,98	3,94	3,93	3,91	3,90
40	4,33	4,34	4,33	4,30	4,27	4,23	4,21	4,19	4,17
45		4,66	4,65	4,64	4,60	4,56	4,54	4,51	4,49
50			5,03	5,01	4,98	4,94	4,92	4,89	4,86
55			5,45	5,45	5,42	5,38	5,36	5,33	5,30
60				5,94	5,92	5,88	5,86	5,83	5,80
65					6,48	6,45	6,43	6,40	6,37
	Mass Flow g/s								
	-20	-15	-10	-5	0	5	7	10	12,5
27	23,90	29,60	36,00	43,30	51,50	60,80	64,80	71,20	77,00
30	23,70	29,30	35,80	43,00	51,30	60,60	64,60	70,90	76,50
35	23,30	29,00	35,30	42,60	50,80	60,10	64,10	70,50	76,00
40	22,90	28,50	34,90	42,10	50,30	59,60	63,60	70,00	75,50
45		28,00	34,40	41,60	49,70	59,00	63,00	69,40	75,00
50			33,80	40,90	49,10	58,30	62,30	68,70	74,40
55			33,10	40,20	48,30	57,50	61,50	67,90	73,60
60				39,30	47,40	56,60	60,60	67,00	72,70
65					46,40	55,60	59,60	66,00	71,80

Copeland Scroll - Compressor - Air Conditioning - Standard
COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	9.43
Length/Width, mm	242/242
Height, mm	400
Net Weight, kg	27
Gross Weight, kg	31
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.1
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	57
Sound Power (HT), dBA	68
PED Category	1
Internal Free Volume, l	3.1
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50

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

Maximum Operating Current, A	7
Locked Rotor Current, A	46
Winding Resistance, ohm	4.03
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
------------------	---------------

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
200-220 V/3~/50H	200	TF5		Y	2,09
200-230 V/3~/60H	230	TF5		Y	2,09
460 V/3~/60Hz	460	TFD		Y	1,04