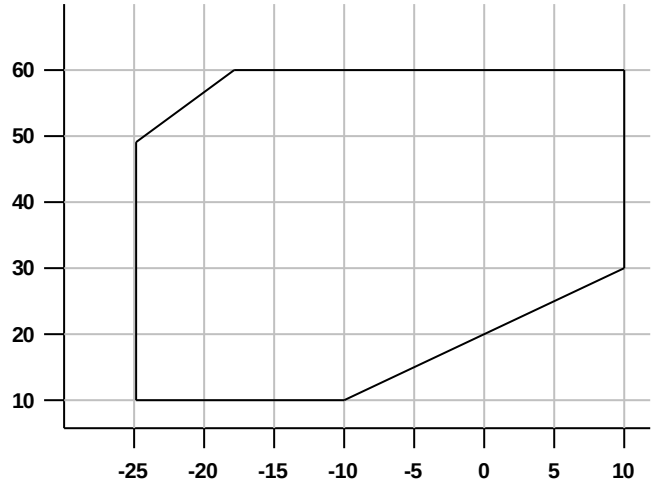
50Hz ZB56KCE-TWD R404A Dew Point



Minimum evaporating temp. with:

——— **25°C Suction Gas Return**

Suction Return Temperature 20,0°C

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	Capacity kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	10,25	12,65	15,45	18,75					
20	9,23	11,35	13,90	16,80	20,20	24,00			
30	8,18	10,05	12,25	14,80	17,75	21,10	25,00	26,70	29,40
35	7,63	9,39	11,45	13,80	16,55	19,65	23,30	24,80	27,40
40	7,07	8,71	10,60	12,75	15,30	18,20	21,50	23,00	25,30
45	6,50	8,00	9,74	11,75	14,05	16,70	19,75	21,10	23,30
50		7,28	8,86	10,70	12,75	15,20	18,00	19,20	21,20
55		6,54	7,97	9,60	11,50	13,65	16,20	17,30	19,10
60			7,06	8,51	10,20	12,15	14,40	15,40	17,00
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	2,69	2,73	2,79	2,89					
20	3,46	3,49	3,52	3,58	3,67	3,80			
30	4,37	4,41	4,45	4,48	4,53	4,61	4,73	4,80	4,91
35	4,88	4,94	4,98	5,01	5,05	5,11	5,20	5,25	5,34
40	5,42	5,50	5,55	5,59	5,62	5,67	5,74	5,77	5,85
45	6,00	6,11	6,17	6,22	6,25	6,28	6,34	6,36	6,42
50		6,74	6,83	6,89	6,93	6,96	7,00	7,02	7,06
55		7,42	7,54	7,61	7,66	7,69	7,73	7,74	7,77
60			8,28	8,38	8,45	8,49	8,52	8,53	8,55
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	9,39	9,45	9,53	9,65					
20	9,84	9,90	9,97	10,06	10,18	10,32			
30	10,56	10,63	10,70	10,78	10,88	10,99	11,11	11,16	11,24
35	11,05	11,12	11,20	11,28	11,37	11,47	11,57	11,61	11,68
40	11,63	11,72	11,80	11,89	11,98	12,06	12,15	12,18	12,24
45	12,32	12,43	12,52	12,61	12,70	12,78	12,85	12,88	12,92
50		13,25	13,36	13,46	13,55	13,62	13,69	13,72	13,75
55		14,21	14,33	14,44	14,54	14,61	14,68	14,70	14,72
60			15,45	15,57	15,67	15,75	15,81	15,83	15,85
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	57,60	71,40	88,00	107,50					
20	56,60	70,10	86,00	105,00	127,00	153,00			
30	55,30	68,50	84,00	102,50	124,00	149,00	179,00	192,00	214,00
35	54,60	67,60	83,00	101,00	122,00	147,00	177,00	190,00	212,00
40	53,70	66,50	81,50	99,50	120,00	145,00	174,00	187,00	209,00
45	52,70	65,40	80,50	97,50	118,50	142,50	172,00	185,00	206,00
50		64,20	79,00	96,00	116,50	140,50	169,00	183,00	204,00
55		62,90	77,50	94,50	114,50	138,50	167,00	181,00	202,00
60			76,00	93,00	113,00	137,00	166,00	180,00	202,00

Copeland Scroll - Compressor - Refrigeration - Previous Gen.

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	20.9
Length/Width, mm	319/357
Height, mm	525
Net Weight, kg	87
Gross Weight, kg	93
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	4.14
Base mounting (hole dia), mm	220 x 220 (8.5)
Sound Pressure @ 1m (MT), dBA	67
Sound Power (MT), dBA	78
Sound Power with Sound Shell (MT), dBA	68
PED Category	2
Internal Free Volume, l	19.8
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	15.4
Locked Rotor Current, A	99
Winding Resistance, ohm	1.41
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)

MOTOR OPTIONS

Power Supply	*Nominal Voltage*	*Motor Code*	*Start Connection*	*DOL Connection*	*Amps Factor*
380-420 V/3~/50H	400	TWD		Y	1,00
200 V/3~/50Hz	200	TWC		Y	2,09
220-240 V/3~/50H	230	TWR		Y	1,73
380 V/3~/60Hz	380	TW7		Y	1,26
208-230 V/3~/60H	230	TWC		Y	2,09
575 V/3~/60Hz	575	TWE		Y	0,80
460 V/3~/60Hz	460	TWD		Y	1,00