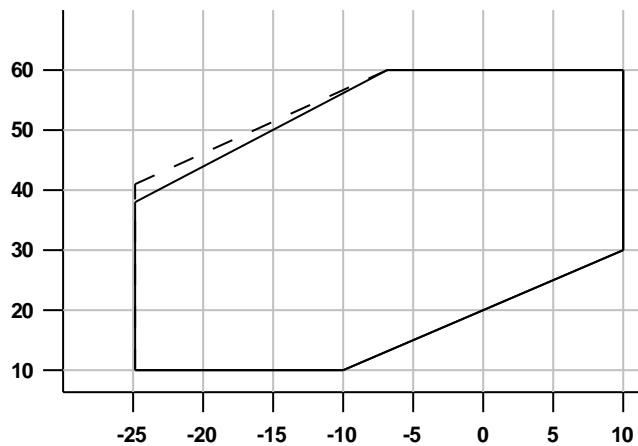


50Hz

ZB220KCE-TWM

R404A Dew Point



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

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	45,00	55,30	67,30	81,30					
20	40,80	50,10	61,10	73,80	88,50	105,00			
30	36,40	44,80	54,50	65,90	78,90	93,90	111,00	118,50	130,00
35	34,20	42,00	51,10	61,70	74,00	88,00	104,00	111,00	122,00
40		39,20	47,70	57,50	68,90	81,90	96,90	103,50	114,00
45			44,10	53,20	63,60	75,70	89,60	95,70	105,50
50			40,60	48,80	58,30	69,40	82,10	87,70	96,70
55				44,30	52,90	62,90	74,50	79,60	87,90
60					47,40	56,30	66,70	71,30	78,80
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	11,50	11,85	12,45	13,40					
20	14,30	14,45	14,75	15,25	16,05	17,30			
30	17,55	17,75	17,90	18,15	18,60	19,30	20,40	20,90	21,90
35	19,40	19,65	19,85	20,00	20,40	20,90	21,70	22,10	22,90
40		21,80	22,00	22,20	22,40	22,80	23,40	23,80	24,40
45			24,40	24,60	24,90	25,10	25,60	25,80	26,30
50			27,00	27,40	27,60	27,80	28,20	28,40	28,70
55				30,40	30,70	30,90	31,20	31,40	31,60
60					34,10	34,40	34,70	34,80	35,00
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	25,70	26,06	26,72	27,79					
20	28,60	28,80	29,15	29,76	30,75	32,24			
30	32,58	32,81	33,04	33,39	33,97	34,89	36,26	36,96	38,20
35	35,00	35,32	35,57	35,86	36,30	37,01	38,10	38,67	39,68
40		38,18	38,50	38,78	39,13	39,68	40,53	40,98	41,80
45			41,83	42,15	42,47	42,90	43,57	43,92	44,58
50			45,59	45,99	46,32	46,69	47,22	47,50	48,01
55				50,32	50,71	51,06	51,50	51,72	52,13
60					55,63	56,02	56,41	56,59	56,92
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	253,00	312,00	383,00	465,00					
20	250,00	309,00	379,00	461,00	558,00	670,00			
30	246,00	305,00	374,00	455,00	551,00	663,00	794,00	853,00	948,00
35	245,00	302,00	371,00	451,00	546,00	658,00	790,00	848,00	944,00
40		300,00	367,00	447,00	542,00	653,00	785,00	844,00	940,00
45			364,00	443,00	536,00	647,00	779,00	838,00	936,00
50			361,00	439,00	531,00	642,00	774,00	834,00	932,00
55				435,00	527,00	638,00	771,00	831,00	932,00
60					526,00	637,00	772,00	834,00	937,00

**Copeland Scroll - Compressor - Refrigeration - MT Standard**
**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	87.5
Length/Width, mm	448/392
Height, mm	715
Net Weight, kg	176
Gross Weight, kg	201
Rotalock Suction, inch	2 1/4 x 12 UN
Rotalock Discharge, inch	1 3/4 x 12 UN
Oil Quantity, l	6.3
Base mounting (hole dia), mm	266.7 x 266.7 (22.6)
Sound Pressure @ 1m (MT), dBA	78
Sound Power (MT), dBA	89
PED Category	2
Internal Free Volume, l	26.9
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	69
Locked Rotor Current, A	310
Winding Resistance, ohm	0.37
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	150 W External
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Rotalock valves	suction and discharge

**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	TWM		Y	1,00