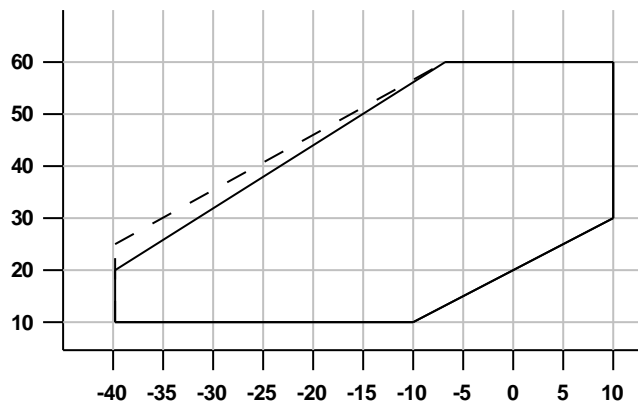


50Hz

ZB220KCE-TWM

R404A



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											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	23,30	29,20	36,40	45,00	55,30	67,30	81,30					
20	20,60	26,20	32,80	40,80	50,10	61,10	73,80	88,50	105,00			
30			29,30	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											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	11,10	11,25	11,35	11,50	11,85	12,45	13,40					
20	13,55	13,95	14,15	14,30	14,45	14,75	15,25	16,05	17,30			
30			17,25	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											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	25,30	25,44	25,53	25,70	26,06	26,72	27,79					
20	27,78	28,20	28,44	28,60	28,80	29,15	29,76	30,75	32,24			
30			32,23	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											
	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7	10
10	130,50	164,00	205,00	254,00	314,00	384,00	467,00					
20	125,50	160,00	201,00	251,00	310,00	381,00	463,00	560,00	673,00			
30			198,00	247,00	306,00	375,00	457,00	553,00	666,00	798,00	857,00	952,00
35				246,00	304,00	372,00	453,00	549,00	661,00	793,00	853,00	949,00
40					301,00	369,00	449,00	544,00	656,00	788,00	848,00	945,00
45						366,00	445,00	539,00	651,00	783,00	843,00	940,00
50						363,00	441,00	534,00	645,00	778,00	838,00	937,00
55							437,00	530,00	641,00	775,00	836,00	937,00
60								528,00	640,00	776,00	838,00	942,00

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

Displacement @ 50 Hz, cu.m/h	87.5
Length/Width, mm	448/392
Height, mm	717
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, dBA	78
Sound Power, dBA	89
PED Category	2
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
Internal Free Volume, l	26.9

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

Maximum Operating Current, A	69
Locked Rotor Current, A	310
Winding Resistance, ohm	0.4
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	150W 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