

Type: Hermetic piston compressors**Producer: ACC****Series: HMBP**

Model: MX23FB

General data

Refrigerant:	R404A
Discharge element:	C-V
Cooling:	F
Maximum ambient temperature [$^{\circ}\text{C}$]:	43

Compressor's data

Cylinder capacity [cm^3]:	23,2
Displacement [m^3/h]:	4
Weight [kg]:	17,5
Oil charge [cm^3]:	500
Oil type:	ISO VG 46 ESTER

Engine's data

Engine type:	CSR
Power [KM]:	7/8
Starting element:	HST
Power supply:	220V 50Hz
Voltage range:	187-264
Locked rotor current [A]:	24
Running winding resistance (25°C) [Ω]:	2,65
Starting winding resistance (25°C) [Ω]:	7,24

Electrical data

Relays:	3ARR3 10AA3, RVA 4M..
Shielding element:	MRA38128, T0535/G.
Starting capacitor volume [μF]:	16/400

Connections

	<u>millimeters</u>	<u>inches</u>
Service tube:	9,7	
Suction tube:	9,7	
Discharge tube:	6,5	

R404A/R507

Cooling capacity [W]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10
40	434	629	856	1 113	1 402	1 721	2 071
45	376	547	749	982	1 246	1 541	1 868
50	-	465	643	851	1 091	1 362	1 664
55	-	-	536	721	936	1 183	1 460
60	-	-	-	590	781	1 003	1 257

Power input [W]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10
40	498	565	642	729	825	932	1 047
45	485	559	643	736	840	952	1 075
50	-	553	644	744	854	973	1 102
55	-	-	645	751	868	994	1 130
60	-	-	-	759	882	1 015	1 157

Current [A]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10
40	2.55	2.84	3.19	3.58	4.04	4.54	5.10
45	2.50	2.83	3.22	3.66	4.15	4.70	5.30
50	-	2.82	3.25	3.73	4.27	4.86	5.50
55	-	-	3.29	3.81	4.39	5.02	5.70
60	-	-	-	3.88	4.50	5.17	5.90

Mass flow [kg/s]

$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10
40	15.80	25.59	37.17	50.52	65.66	82.58	101.29
45	13.39	22.78	33.95	46.90	61.64	78.16	96.47
50	-	19.97	30.74	43.29	57.62	73.74	91.64
55	-	-	27.52	39.67	53.60	69.32	86.82
60	-	-	-	36.05	49.58	64.90	81.99

C.O.P. [W/W]

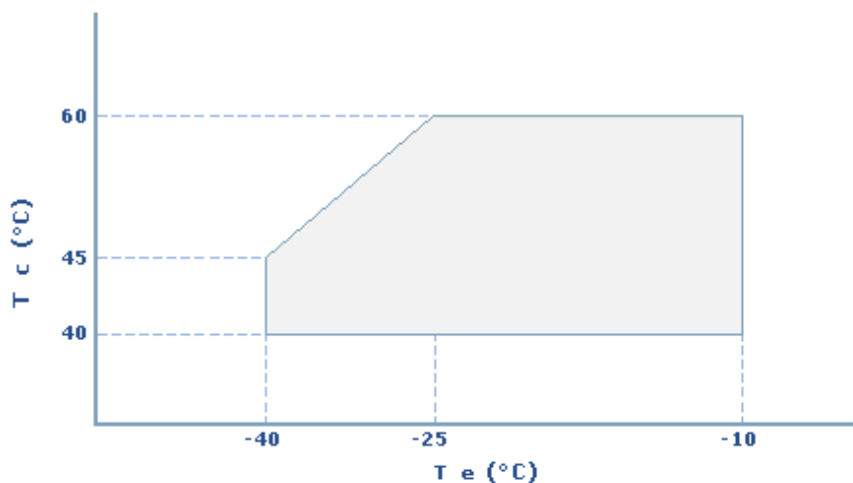
$t_c \setminus t_e$	-40	-35	-30	-25	-20	-15	-10
40	0.87	1.11	1.33	1.53	1.70	1.85	1.98
45	0.78	0.98	1.17	1.33	1.48	1.62	1.74
50	-	0.84	1.00	1.14	1.28	1.40	1.51
55	-	-	0.83	0.96	1.08	1.19	1.29
60	-	-	-	0.78	0.89	0.99	1.09

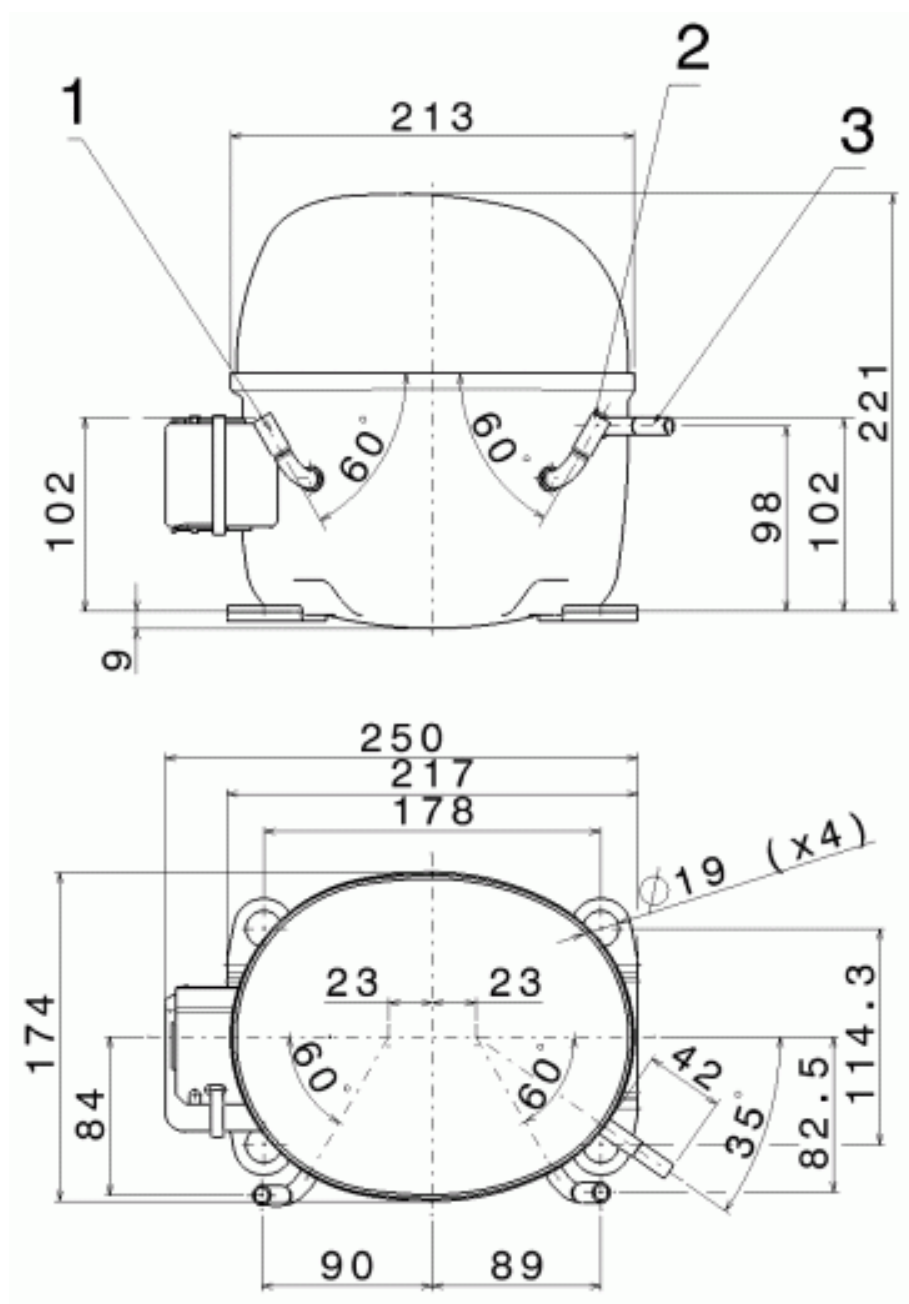
Operating conditions: ASHRAE

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

Application range









C S R

