

Type: Hermetic piston compressors

Producer: ACC

Series: HMBP

Model: GL60AN

General data

Refrigerant:	R134a
Discharge element:	C
Cooling:	S
Maximum ambient temperature [$^{\circ}\text{C}$]:	50

Compressor's data

Cylinder capacity [cm^3]:	6
Displacement [m^3/h]:	1
Weight [kg]:	9,9
Oil charge [cm^3]:	345
Oil type:	ISO VG 19 ESTER

Engine's data

Engine type:	RSIR
Power [KM]:	1/6
Starting element:	LST
Power supply:	220V 50Hz
Voltage range:	170-264
Locked rotor current [A]:	14,6
Running winding resistance (25°C) [Ω]:	9,33
Starting winding resistance (25°C) [Ω]:	10,81

Electrical data

Relays:	3003
Shielding element:	MRA38085, T0515, AF11BJ
Starting capacitor volume [μF]:	

Connections

	<u>millimeters</u>	<u>inches</u>
Suction tube:	6,5	
Service tube:	6,5	
Discharge tube:	4,9	

R134a

Cooling capacity [W]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-10
40	80	113	153	198	249	307
45	72	103	140	182	231	286
50	65	93	127	167	213	265
55	57	82	114	151	195	244
60	49	72	101	135	176	223

Power input [W]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-10
40	115	123	133	146	162	180
45	114	123	134	148	165	185
50	113	123	136	151	169	189
55	112	123	137	153	172	194
60	111	123	138	155	176	199

Current [A]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-10
40	1.12	1.14	1.16	1.20	1.25	1.31
45	1.12	1.14	1.17	1.21	1.26	1.32
50	1.12	1.14	1.17	1.22	1.27	1.34
55	1.11	1.14	1.18	1.22	1.28	1.35
60	1.11	1.14	1.18	1.23	1.29	1.36

Mass flow [kg/s]

$t_c \setminus t_e$	-35	-30	-25	-20	-15	-10
40	7.50	9.74	13.44	18.61	25.23	33.31
45	7.14	9.02	12.37	17.17	23.43	31.16
50	6.79	8.31	11.29	15.73	21.64	29.00
55	6.43	7.59	10.21	14.30	19.84	26.85
60	6.07	6.87	9.14	12.86	18.04	24.69

C.O.P. [W/W]

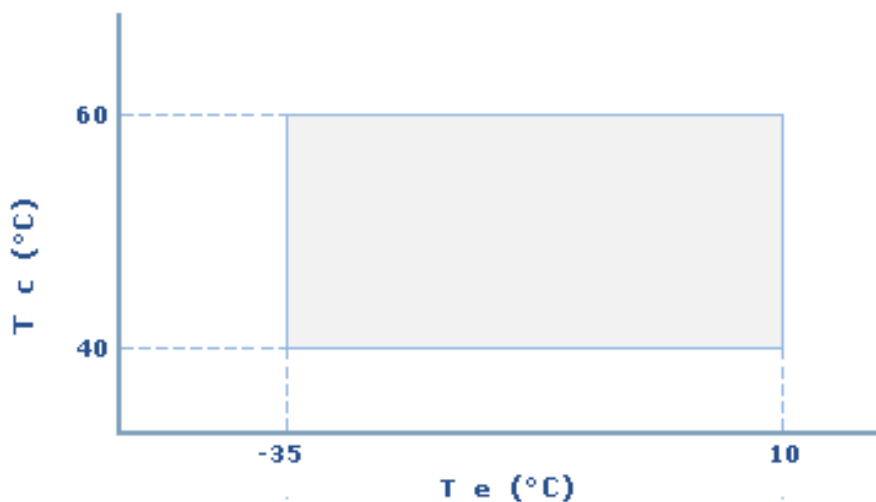
$t_c \setminus t_e$	-35	-30	-25	-20	-15	-10
40	0.69	0.92	1.15	1.35	1.54	1.71
45	0.63	0.84	1.04	1.23	1.40	1.55
50	0.57	0.75	0.93	1.11	1.26	1.40
55	0.51	0.67	0.83	0.99	1.13	1.26
60	0.44	0.58	0.73	0.87	1.00	1.12

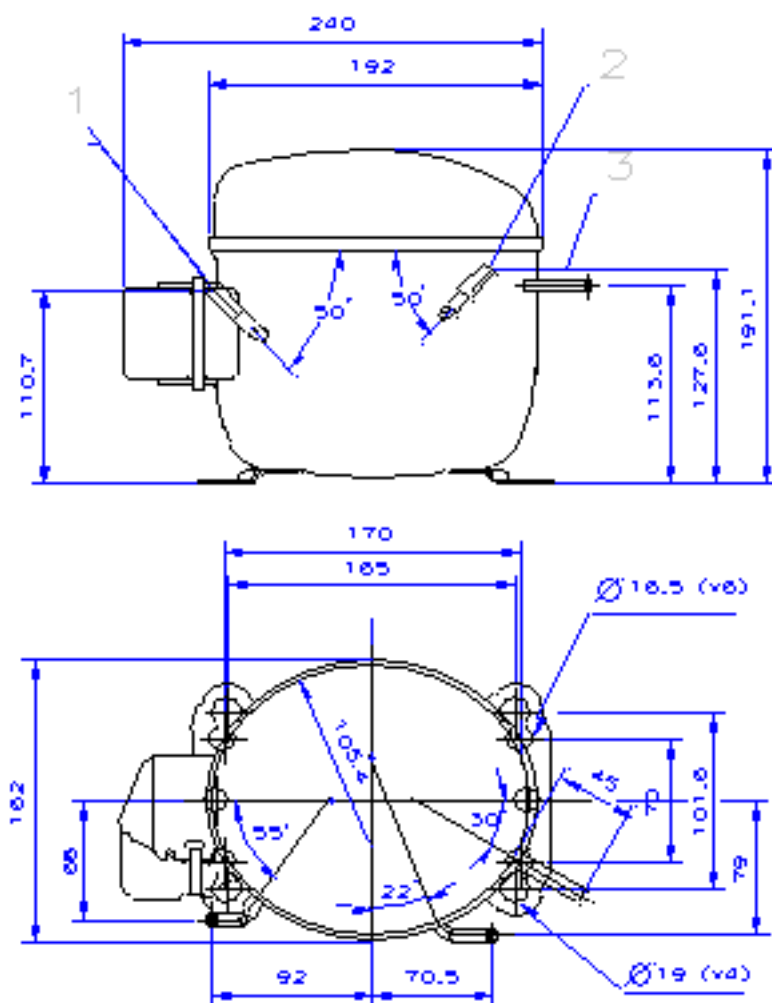
Operating conditions: ASHRAE

t_c - Condensing temperature [°C]

t_e - Evaporating temperature [°C]

Application range









R S I R

