www.mbsm.pro, Electrolux GL75AA Refrigerator 1/5 HP, Compressor Cooling solution for Refrigerators

Category: Technologie,Tester ok
written by Jamila | 4 September 2018

www.mbsm.pro, Electrolux GL75AA Refrigerator 1/5 HP, Compressor Cooling solution for Refrigerators

Type: Hermetic piston compressors
Producer: ACC
Series: HMBP

Model: GL75AA

General data

Refrigerant:	R134a
Discharge element:	C
Cooling:	S
Maximum ambient temperature [ºC]:	43

Compressor’s data

Cylinder capacity [cm³]:	7,4
Displacement [m³/h]:	1,3
Weight [kg]:	9,9
Oil charge [cm³]:	345
Oil type:	ISO VG 19 ESTER

Engine’s data

Engine type:	RSIR
Power [KM]:	1/5
Starting element:	LST
Power supply:	220V 50Hz
Voltage range:	187-264
Locked rotor current [A]:	11,5
Running winding resistance (25ºC) [Ω]:	11,62
Starting winding resistance (25ºC) [Ω]:	21,21

Electrical data

Relays:	3003
Shielding element:	MRP317LZ, T0502, AF15BW
Starting capacitor volume [µF]:	

Connections

	milimeters	inches
Suction tube:	6,5	
Service tube:	6,5	
Discharge tube:	4,9	

Cooling capacity [W]

t_c \ t_e	-35	-30	-25	-20	-15	-10
40	97	134	180	235	299	372
45	87	121	164	216	277	347
50	78	108	148	197	254	321
55	68	95	132	178	232	296
60	58	83	116	158	210	271

Power input [W]

t_c \ t_e	-35	-30	-25	-20	-15	-10
40	106	121	139	160	185	212
45	104	121	141	164	190	219
50	102	121	143	167	195	226
55	101	121	144	171	200	233
60	99	121	146	174	206	240

Current [A]

t_c \ t_e	-35	-30	-25	-20	-15	-10
40	0.86	0.92	0.99	1.07	1.16	1.25
45	0.85	0.92	1.00	1.08	1.18	1.28
50	0.85	0.93	1.01	1.10	1.20	1.30
55	0.85	0.93	1.02	1.11	1.22	1.33
60	0.85	0.93	1.03	1.13	1.24	1.36

Mass flow [kg/s]

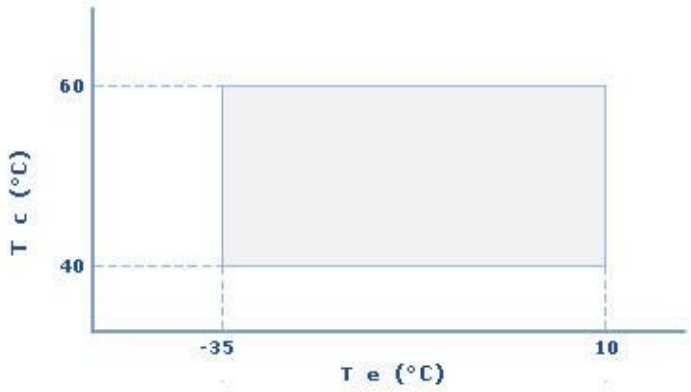
t_c \ t_e	-35	-30	-25	-20	-15	-10
40	7.15	10.58	15.13	20.78	27.56	35.44
45	6.35	9.61	13.99	19.48	26.09	33.82
50	5.54	8.64	12.86	18.19	24.63	32.19
55	4.73	7.67	11.72	16.89	23.17	30.57
60	3.92	6.70	10.59	15.59	21.71	28.94

C.O.P. [W/W]

t_c \ t_e	-35	-30	-25	-20	-15	-10
40	0.92	1.11	1.29	1.47	1.62	1.76
45	0.84	1.00	1.16	1.32	1.46	1.58
50	0.76	0.90	1.04	1.18	1.30	1.42
55	0.68	0.79	0.91	1.04	1.16	1.27
60	0.59	0.68	0.79	0.91	1.02	1.13

Operating conditions: ASHRAE
t_c - Condensing temperature [°C]
t_e - Evaporating temperature [°C]

Application range



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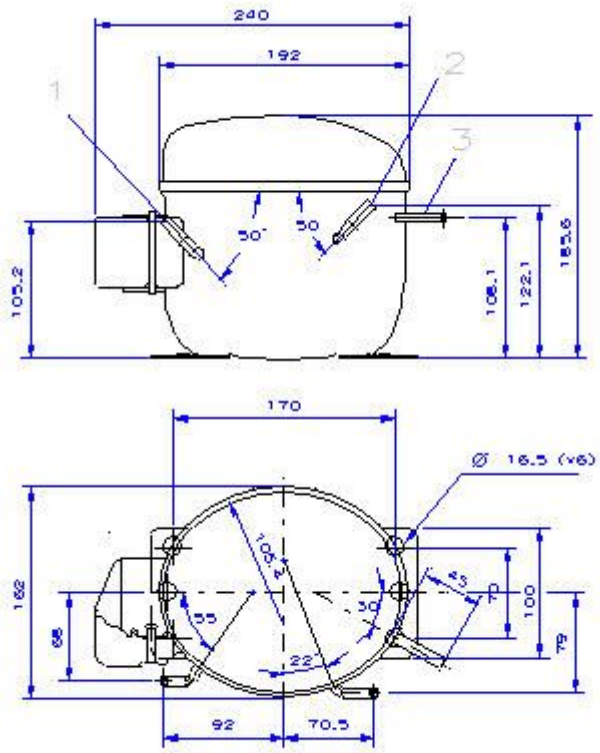

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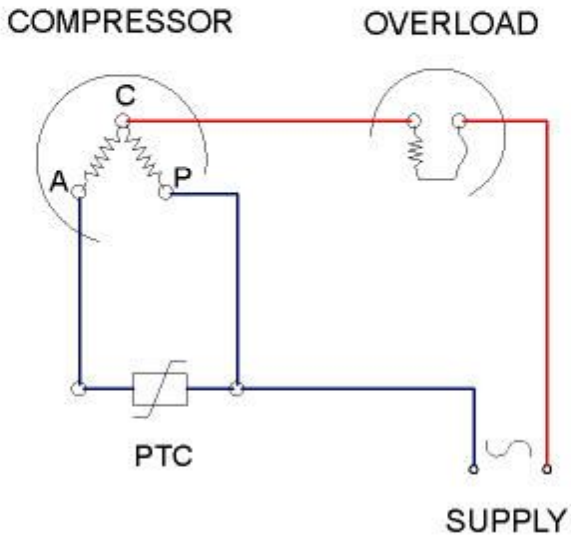

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Electrolux
GL75AA
1616
220-240V~50Hz
134 a
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3 718
0192144

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