

Technical Data Sheet

Compressor model **GL90AAa**
Voltage **220-240V 50Hz ~1**
Refrigerant **R134a**

APPLICATION

Application Low Back Pressure
Refrigerant R134a
Evaporating Temp. -35,0 °C to -10,0 °C
Expansion Capillar
Comp. Cooling Static
Max. ambient temp. 43,0 °C

COMPRESSOR

Displacement 9,09 cm³
Diameter 24,29 mm
Stroke 19,62 mm
Net Weight 9,40 Kg
Oil type ISO VG 22 ESTER
Oil charge 350 cm³

MOTOR

Approximate Power 1/4 hp
Voltage/Frequency 220V 50Hz
Voltage range 187-264 V
Type RSIR
Phase number 1 P
Locked rotor current 12,80 A
Main W. resist. at 25°C 11,83 Ω
Start W. resist. at 25°C 19,62 Ω

NOMINAL PERFORMANCE

	ASHRAE	CECOMAF
Cooling Capacity	193 kcal/h	164 W
COP	1,15 W/W	0,89 W/W
EER	0,99 kcal/Wh	0,77 kcal/Wh
Input Power	195 W	185 W
Current	1,26 A	1,22 A

APPROVALS



TEST CYCLE CONDITIONS

	ASHRAE LBP (B)	CECOMAF LBP (A)
Evaporating temp.	-23,3 °C	-25,0 °C
Condensing temp.	55,0 °C	55,0 °C
Liquid temp.	32,0 °C	55,0 °C
Ambient temp.	32,0 °C	32,0 °C
Suction temp.	32,0 °C	32,0 °C
Voltage/Frequency	220 V 50 Hz	220 V 50 Hz

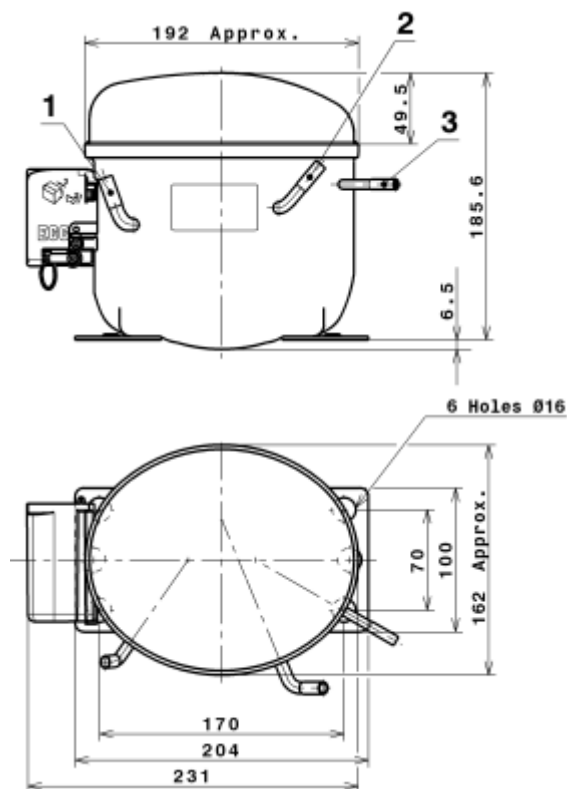
ELECTRICAL COMPONENTS

Relay	Option 1			
Reference	PTC K100			
Voltage	200 - 240 V			
Resistance	14,00 Ω			
Protector	Option 1	Option 2	Option 3	Option 4
Reference	MRP304LZ	4TM319NFBYY	T0490	AE11FU
Current	9,40 A	12,00 A	9,40 A	9,40 A
Time check	7,5-14 seg	5-15 seg	7,5-14 seg	7,5-14 seg
Disc temp. (Open/Close)	120,00 / 61,00 °C	120,00 / 61,00 °C	130,00 / 62,00 °C	120,00 / 62,00 °C

ASHRAE

Tc	Te	Cooling Capacity kcal/h	Consumption W	Current A	COP W/W	EER kcal/Wh
40	-35	105	131	1,06	0,93	0,80
40	-30	146	154	1,13	1,11	0,95
40	-25	197	180	1,21	1,27	1,09
40	-23,3	216	190	1,24	1,32	1,14
40	-20	256	209	1,31	1,42	1,22
40	-15	323	243	1,44	1,55	1,33
40	-10	400	279	1,58	1,67	1,43
45	-35	99	130	1,06	0,89	0,76
45	-30	140	154	1,13	1,06	0,91
45	-25	189	181	1,21	1,21	1,04
45	-23,3	208	191	1,25	1,26	1,09
45	-20	248	212	1,32	1,36	1,17
45	-15	315	246	1,45	1,49	1,28
45	-10	391	284	1,61	1,60	1,38
50	-35	93	129	1,05	0,84	0,72
50	-30	133	154	1,13	1,00	0,86
50	-25	182	183	1,22	1,16	1,00
50	-23,3	201	193	1,25	1,21	1,04
50	-20	240	215	1,33	1,30	1,12
50	-15	306	250	1,47	1,42	1,22
50	-10	381	289	1,63	1,53	1,32
55	-35	87	128	1,05	0,79	0,68
55	-30	126	154	1,13	0,95	0,82
55	-25	175	184	1,22	1,10	0,95
55	-23,3	193	195	1,26	1,15	0,99
55	-20	232	217	1,34	1,24	1,07
55	-15	297	254	1,48	1,36	1,17
55	-10	372	294	1,65	1,47	1,27
60	-35	81	127	1,05	0,74	0,64
60	-30	120	155	1,13	0,90	0,77
60	-25	167	185	1,23	1,05	0,90
60	-23,3	185	197	1,27	1,10	0,94
60	-20	224	220	1,35	1,18	1,02
60	-15	289	258	1,50	1,30	1,12
60	-10	363	299	1,67	1,41	1,21
65	-35	75	126	1,04	0,69	0,60
65	-30	113	155	1,13	0,85	0,73
65	-25	160	187	1,23	1,00	0,86
65	-23,3	178	199	1,27	1,04	0,90
65	-20	216	222	1,36	1,13	0,97
65	-15	280	262	1,51	1,25	1,07
65	-10	353	304	1,69	1,35	1,16

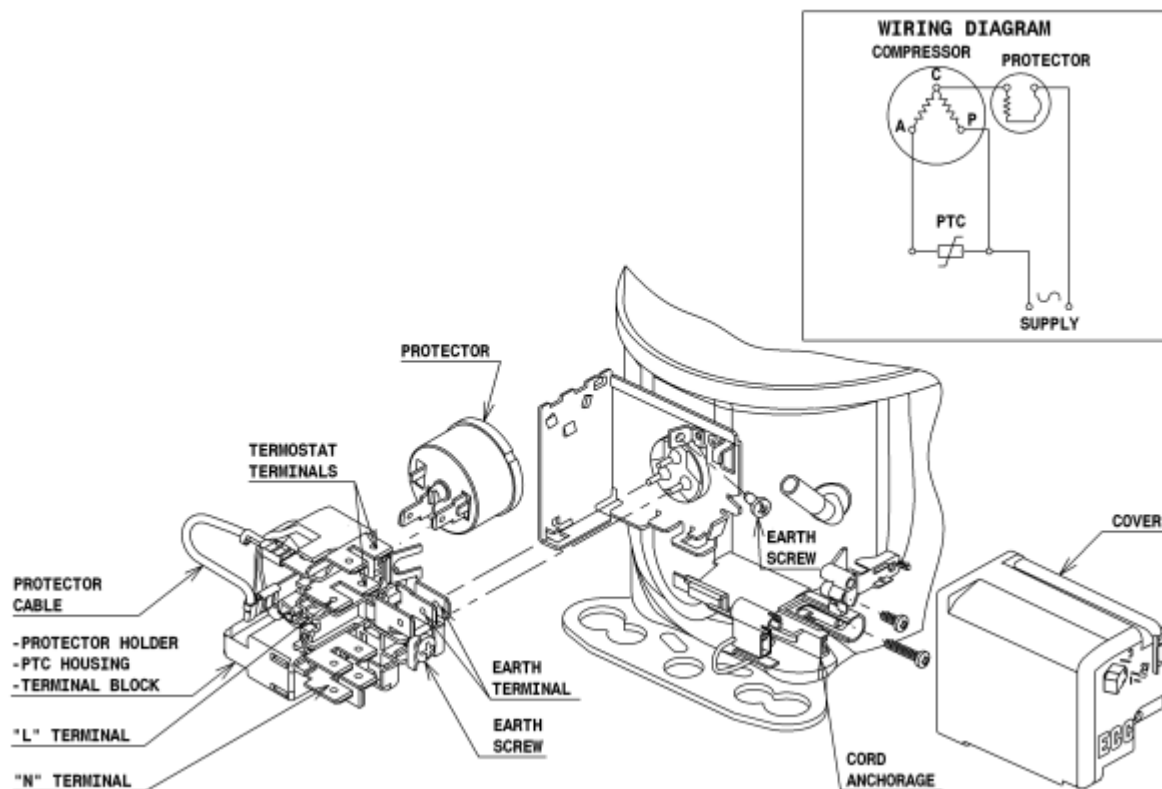
COMPRESSOR DIMENSIONS



	DESIGNATION	INTERNAL DIAM.
1	Suction	6,5 mm
2	Service	6,5 mm
3	Discharge	4,9 mm

WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

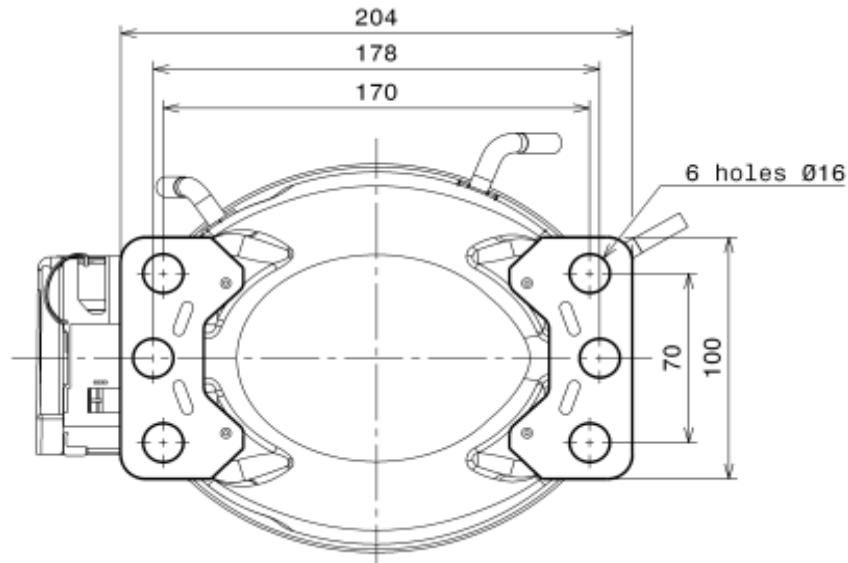
RSIR CONNECTION (PTC)



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FIXINGS

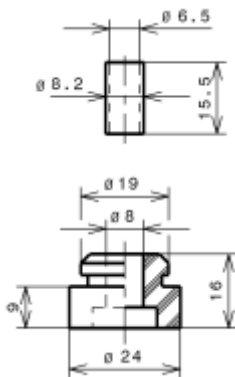
European mounting feet



SILENT BLOCKS (MOUNTING ACCESSORIES)

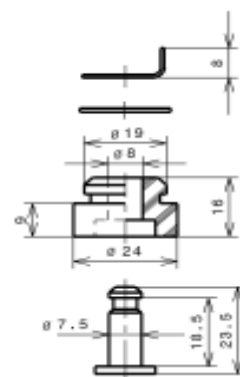
STANDARD

D.16 holds net (170x70)



SNAP-ON

D.16 holds net (170x70)



SOA

SOA R134a LBP

