

Technical Data Sheet

Compressor model **GL60ANa**
Voltage **200-240/220-230V 50/60Hz ~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. 50,0 °C
Compatible refriger. R1234yf

COMPRESSOR

Displacement 5,98 cm³
Diameter 20,88 mm
Stroke 17,47 mm
Net Weight 9,11 Kg
Oil type ISO VG 32 ESTER
Oil charge 350 cm³

MOTOR

Nominal Power 1/6 hp
Voltage/Frequency 220-230V 60Hz
Voltage range 187-253 V
Type RSIR
Phase number 1 PH
Locked Rotor Amps (LRA) 13,00 A
Max. Cont. Current (MCC) 1,70 A
Main W. resist. at 25°C 12,50 Ω
Start W. resist. at 25°C 15,40 Ω

NOMINAL PERFORMANCE

	ASHRAE	CECOMAF
Cooling Capacity	153 kCal/h	133 W
COP	1,15 W/W	0,89 W/W
EER	0,99 kCal/Wh	0,77 kCal/Wh
Input Power	155 W	149 W
Current	1,07 A	1,05 A

APPROVALS

TEST CYCLE CONDITIONS

	ASHRAE LBP (B)	CECOMAF LBP (A)
Evaporating temp. (T _e)	-23,3 °C	-25,0 °C
Condensing temp. (T _c)	55,0 °C	55,0 °C
Liquid temp. (T _{liq.})	32,0 °C	55,0 °C
Ambient temp. (T _{amb.})	32,0 °C	32,0 °C
Suction temp. (T _{suction})	32,0 °C	32,0 °C
Voltage/Frequency	220 V 60 Hz	220 V 60 Hz

ELECTRICAL COMPONENTS

Relay	Option 1			
Reference	PTC K100			
Voltage	200-240 V			
Resistance	14.00 Ω			
Protector	Option 1	Option 2	Option 3	
Reference	4TM293RFBYY	T0515	AE11BJ	
Current	10,00 A	8,50 A	11,00 A	
Time check	5-15 seg	7,5-14 seg	7,5-14 seg	
Disc temp. (Open/Close)	130,00 / 61,00 °C	130,00 / 62,00 °C	115,00 / 62,00 °C	

ASHRAE

Tc °C	Te °C	Cooling Capacity kCal/h	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-35	123	134	0,98	1,07	0,92
40	-30	137	135	0,98	1,18	1,01
40	-25	164	144	1,02	1,33	1,14
40	-23,3	176	148	1,04	1,39	1,19
40	-20	205	159	1,09	1,50	1,29
40	-15	259	183	1,18	1,65	1,42
40	-10	327	213	1,29	1,79	1,54

45	-35	116	133	0,98	1,01	0,87
45	-30	129	136	0,99	1,11	0,95
45	-25	156	145	1,03	1,25	1,07
45	-23,3	169	150	1,05	1,30	1,12
45	-20	197	162	1,10	1,41	1,21
45	-15	251	187	1,20	1,56	1,34
45	-10	319	219	1,31	1,69	1,46

50	-35	108	133	0,97	0,95	0,82
50	-30	122	136	0,99	1,04	0,89
50	-25	149	147	1,04	1,17	1,01
50	-23,3	161	153	1,06	1,22	1,05
50	-20	189	166	1,11	1,33	1,14
50	-15	243	191	1,21	1,48	1,27
50	-10	310	224	1,33	1,61	1,38

55	-35	101	132	0,97	0,89	0,77
55	-30	114	137	0,99	0,97	0,83
55	-25	141	149	1,05	1,10	0,94
55	-23,3	153	155	1,07	1,15	0,99
55	-20	181	169	1,13	1,25	1,07
55	-15	235	196	1,23	1,40	1,20
55	-10	302	230	1,35	1,53	1,31

60	-35	94	131	0,97	0,83	0,71
60	-30	107	138	0,99	0,90	0,78
60	-25	133	151	1,05	1,03	0,88
60	-23,3	145	157	1,08	1,07	0,92
60	-20	173	172	1,14	1,17	1,01
60	-15	227	200	1,25	1,32	1,13
60	-10	294	236	1,37	1,45	1,25

65	-35	86	131	0,96	0,77	0,66
65	-30	99	138	1,00	0,83	0,72
65	-25	125	153	1,06	0,95	0,82
65	-23,3	137	160	1,09	1,00	0,86
65	-20	165	175	1,15	1,10	0,94
65	-15	218	205	1,26	1,24	1,07
65	-10	285	241	1,39	1,38	1,18

CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-35	134	134	0,98	1,00	0,86
40	-30	153	135	0,98	1,13	0,98
40	-25	185	144	1,02	1,29	1,11
40	-23,3	198	148	1,04	1,34	1,16
40	-20	229	159	1,09	1,44	1,24
40	-15	286	183	1,18	1,57	1,35
40	-10	356	213	1,29	1,67	1,44

45	-35	121	133	0,98	0,91	0,79
45	-30	138	136	0,99	1,02	0,88
45	-25	167	145	1,03	1,15	0,99
45	-23,3	180	150	1,05	1,20	1,04
45	-20	210	162	1,10	1,29	1,11
45	-15	265	187	1,20	1,42	1,22
45	-10	332	219	1,31	1,52	1,31

50	-35	108	133	0,97	0,82	0,71
50	-30	123	136	0,99	0,90	0,78
50	-25	150	147	1,04	1,02	0,88
50	-23,3	162	153	1,06	1,06	0,92
50	-20	190	166	1,11	1,15	0,99
50	-15	243	191	1,21	1,27	1,10
50	-10	308	224	1,33	1,38	1,19

55	-35	95	132	0,97	0,72	0,63
55	-30	108	137	0,99	0,79	0,68
55	-25	133	149	1,05	0,89	0,77
55	-23,3	145	155	1,07	0,93	0,81
55	-20	171	169	1,13	1,01	0,88
55	-15	221	196	1,23	1,13	0,98
55	-10	285	230	1,35	1,24	1,07

60	-35	83	131	0,97	0,63	0,54
60	-30	93	138	0,99	0,68	0,58
60	-25	116	151	1,05	0,77	0,66
60	-23,3	127	157	1,08	0,80	0,70
60	-20	152	172	1,14	0,88	0,76
60	-15	200	200	1,25	1,00	0,86
60	-10	261	236	1,37	1,11	0,96

65	-35	70	131	0,96	0,53	0,46
65	-30	78	138	1,00	0,56	0,49
65	-25	99	153	1,06	0,65	0,56
65	-23,3	109	160	1,09	0,68	0,59
65	-20	132	175	1,15	0,76	0,65
65	-15	178	205	1,26	0,87	0,75
65	-10	237	241	1,39	0,98	0,85

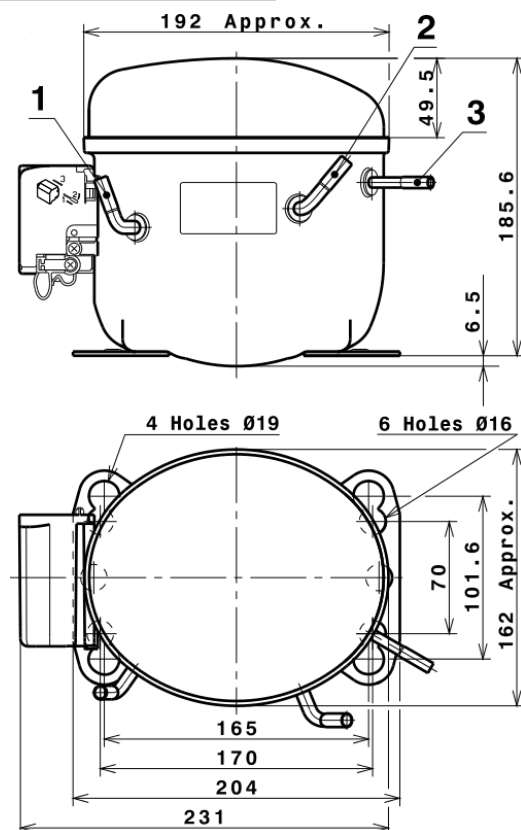
EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	755,3821783746	236,2369769098	1,3897051641	13,724490919934
2	23,5491000163	7,9656907501	0,0283188268	0,50012064841861
3	-5,7710433455	1,6790621048	0,0056085329	-0,041910040475155
4	0,2479023708	0,1509319156	0,0005040333	0,0065582487980954
5	-0,0911680374	0,0518646424	0,0001775359	-0,00021580815570085

Equation

$$x_1 + x_2Te + x_3Tc + x_4Te^2 + x_5TeTc$$

COMPRESSOR DIMENSIONS

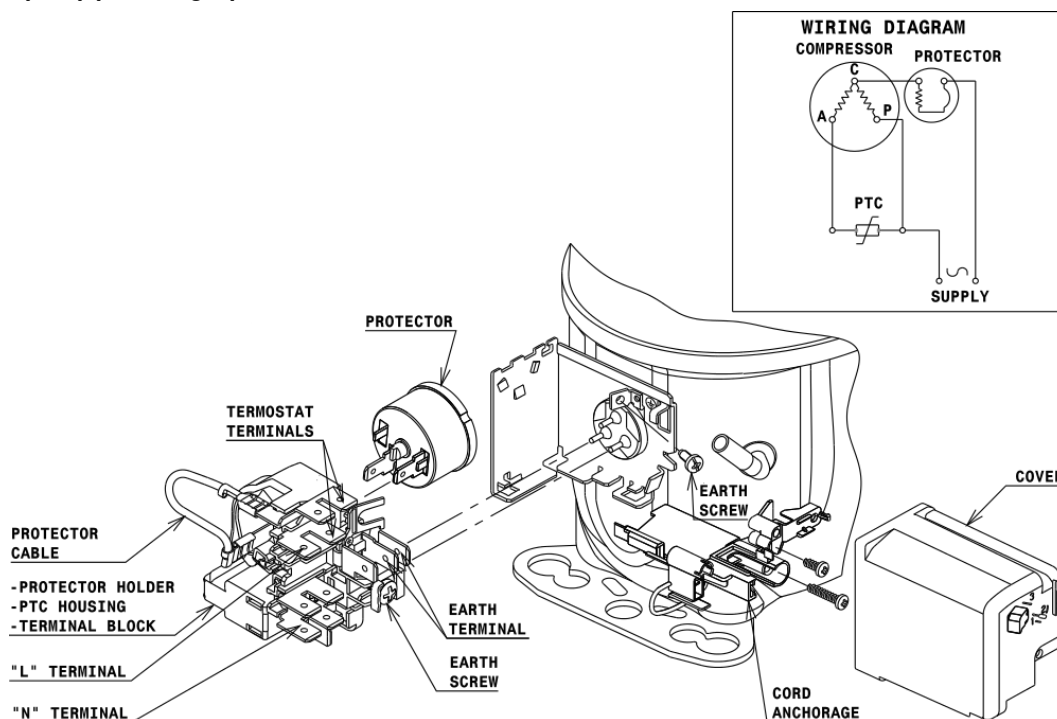


DESIGNATION INTERNAL DIAM.

1	Suction	6,5 mm
2	Service	6,5 mm
3	Discharge	4,9 mm

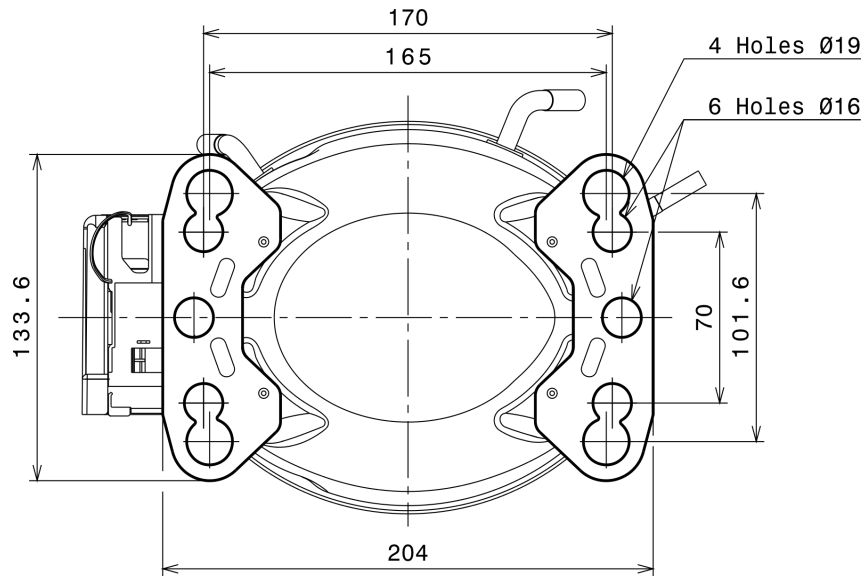
WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

RSIR CONNECTION (PTC) (L, P ranges)



Technical Data Sheet

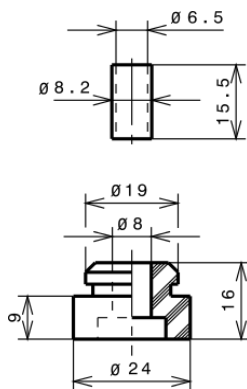
FIXINGS



SILENT BLOCKS (MOUNTING ACCESSORIES)

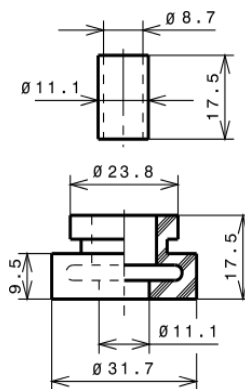
STANDARD

Ø16 holes (170x70 net)



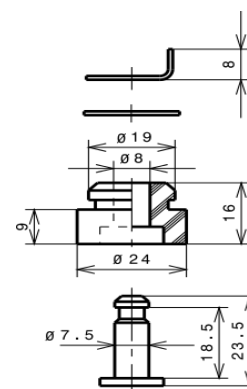
AMERICAN FEET

Ø19 holes (165x101.6 net)



SNAP-ON

Ø16 holes (170x70 net)



SOA

SOA R134a LBP

