

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 200-240V 50Hz
 Voltage range 170-264 V
 Type RSIR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 13,50 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	133 kCal/h	114 W
COP	1,09 W/W	0,83 W/W
EER	0,94 kCal/Wh	0,72 kCal/Wh
Input Power	142 W	137 W
Current	1,19 A	1,18 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 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	
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	76	115	1,13	0,77	0,66
40	-30	104	123	1,14	0,99	0,85
40	-25	139	133	1,17	1,22	1,05
40	-23,3	152	137	1,18	1,29	1,11
40	-20	180	146	1,20	1,44	1,23
40	-15	228	162	1,24	1,64	1,41
40	-10	282	180	1,30	1,82	1,57

45	-35	71	114	1,12	0,72	0,62
45	-30	98	123	1,14	0,93	0,80
45	-25	133	134	1,17	1,15	0,99
45	-23,3	146	139	1,18	1,22	1,05
45	-20	173	148	1,21	1,36	1,17
45	-15	221	165	1,26	1,55	1,34
45	-10	274	185	1,32	1,73	1,49

50	-35	65	113	1,12	0,67	0,58
50	-30	93	123	1,14	0,88	0,75
50	-25	126	135	1,17	1,09	0,93
50	-23,3	139	140	1,19	1,16	0,99
50	-20	167	151	1,21	1,29	1,11
50	-15	213	169	1,27	1,47	1,27
50	-10	267	189	1,33	1,64	1,41

55	-35	60	112	1,12	0,62	0,54
55	-30	87	123	1,14	0,82	0,71
55	-25	120	137	1,18	1,02	0,88
55	-23,3	133	142	1,19	1,09	0,94
55	-20	160	153	1,22	1,22	1,04
55	-15	206	172	1,28	1,39	1,20
55	-10	259	194	1,35	1,55	1,34

60	-35	55	111	1,12	0,57	0,49
60	-30	81	123	1,14	0,77	0,66
60	-25	114	138	1,18	0,96	0,83
60	-23,3	127	144	1,19	1,02	0,88
60	-20	153	156	1,23	1,15	0,99
60	-15	199	176	1,29	1,32	1,13
60	-10	251	199	1,37	1,47	1,27

65	-35	49	110	1,12	0,52	0,45
65	-30	75	123	1,14	0,71	0,61
65	-25	108	139	1,18	0,90	0,77
65	-23,3	120	145	1,20	0,96	0,83
65	-20	147	158	1,23	1,08	0,93
65	-15	192	179	1,30	1,24	1,07
65	-10	244	203	1,38	1,39	1,20

CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-35	83	115	1,13	0,72	0,62
40	-30	116	123	1,14	0,94	0,81
40	-25	154	133	1,17	1,16	1,00
40	-23,3	169	137	1,18	1,23	1,06
40	-20	199	146	1,20	1,36	1,18
40	-15	250	162	1,24	1,55	1,34
40	-10	307	180	1,30	1,71	1,47

45	-35	74	114	1,12	0,65	0,56
45	-30	104	123	1,14	0,85	0,73
45	-25	141	134	1,17	1,05	0,91
45	-23,3	154	139	1,18	1,11	0,96
45	-20	183	148	1,21	1,23	1,07
45	-15	232	165	1,26	1,40	1,21
45	-10	286	185	1,32	1,55	1,34

50	-35	65	113	1,12	0,58	0,50
50	-30	93	123	1,14	0,76	0,66
50	-25	127	135	1,17	0,94	0,81
50	-23,3	140	140	1,19	1,00	0,86
50	-20	167	151	1,21	1,11	0,96
50	-15	213	169	1,27	1,26	1,09
50	-10	265	189	1,33	1,40	1,21

55	-35	57	112	1,12	0,51	0,44
55	-30	82	123	1,14	0,67	0,58
55	-25	114	137	1,18	0,83	0,72
55	-23,3	126	142	1,19	0,88	0,76
55	-20	151	153	1,22	0,99	0,85
55	-15	195	172	1,28	1,13	0,98
55	-10	244	194	1,35	1,26	1,09

60	-35	48	111	1,12	0,43	0,37
60	-30	71	123	1,14	0,58	0,50
60	-25	100	138	1,18	0,72	0,63
60	-23,3	111	144	1,19	0,77	0,67
60	-20	135	156	1,23	0,87	0,75
60	-15	176	176	1,29	1,00	0,87
60	-10	223	199	1,37	1,12	0,97

65	-35	39	110	1,12	0,36	0,31
65	-30	60	123	1,14	0,49	0,42
65	-25	86	139	1,18	0,62	0,54
65	-23,3	97	145	1,20	0,67	0,58
65	-20	119	158	1,23	0,75	0,65
65	-15	158	179	1,30	0,88	0,76
65	-10	202	203	1,38	1,00	0,86

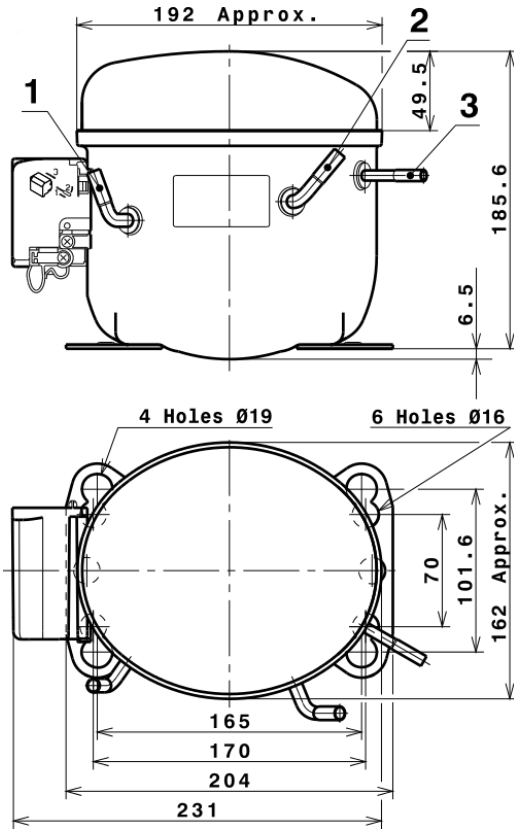
EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	643,5618521529	173,7203442238	1,2853844091	11,468648327627
2	18,2140163351	3,3207941043	0,0128378352	0,36111402818784
3	-5,2936437951	1,4196112480	0,0048603292	-0,041202152546586
4	0,1183188184	0,0556345307	0,0002554461	0,0032237896367264
5	-0,1014792663	0,0463974805	0,0001513158	-0,00046336264234729

Equation	$x_1 + x_2Te + x_3Tc + x_4Te^2 + x_5TeTc$
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Technical Data Sheet

COMPRESSOR DIMENSIONS

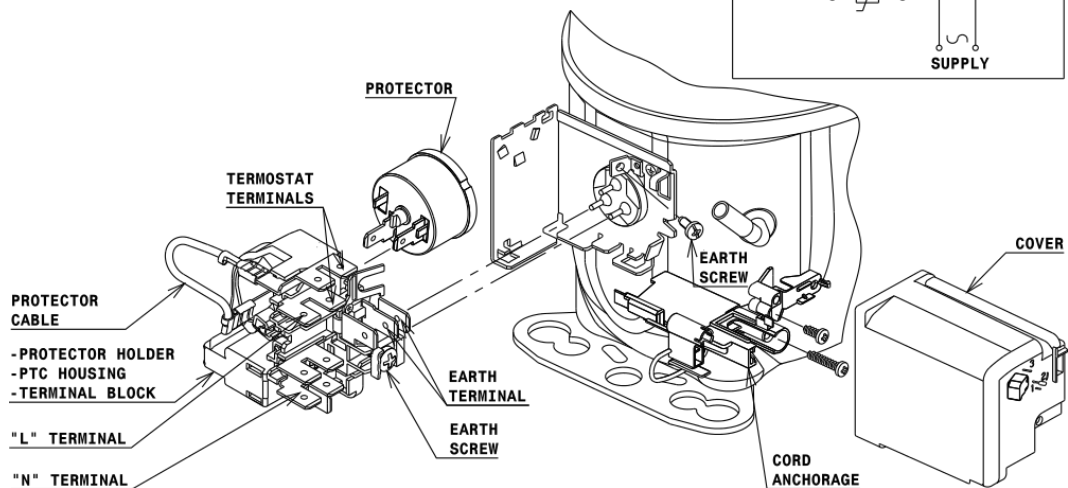
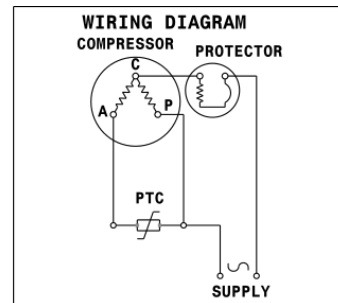


DESIGNATION INTERNAL DIAM.

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

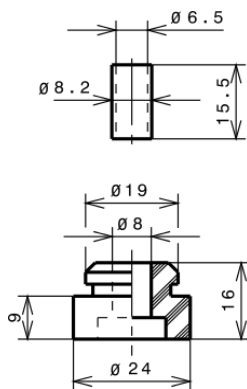
FIXINGS



SILENT BLOCKS (MOUNTING ACCESSORIES)

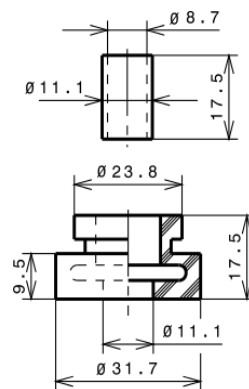
STANDARD

Ø16 holes (170x70 net)



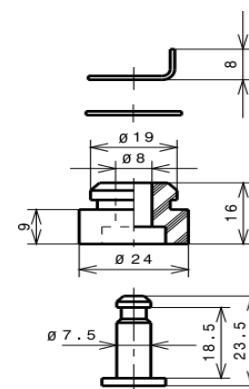
AMERICAN FEET

Ø19 holes (165x101.6 net)



SNAP-ON

Ø16 holes (170x70 net)



SOA

SOA R134a LBP

