

# Technical Data Sheet

Compressor model **GLY60AAb**  
 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
Compatible refriger.	R1234yf

## COMPRESSOR

Displacement	5,98 cm <sup>3</sup>
Diameter	20,88 mm
Stroke	17,47 mm
Net Weight	8,60 Kg
Oil type	ISO VG 32 ESTER
Oil charge	215 cm <sup>3</sup>

## MOTOR

Nominal Power	1/6 hp
Voltage/Frequency	220-240V 50Hz
Voltage range	187-255 V
Type	RSCR
Phase number	1 PH
Locked Rotor Amps (LRA)	5,00 A
Max. Cont. Current (MCC)	1,30 A
Main W. resist. at 25°C	21,69 Ω
Start W. resist. at 25°C	25,00 Ω

## NOMINAL PERFORMANCE

	ASHRAE	CECOMAF
Cooling Capacity	140 kCal/h	120 W
COP	1,42 W/W	1,10 W/W
EER	1,22 kCal/Wh	0,95 kCal/Wh
Input Power	115 W	109 W
Current	0,60 A	0,57 A

## APPROVALS



## TEST CYCLE CONDITIONS

	ASHRAE LBP (B)	CECOMAF LBP (A)
Evaporating temp. (T <sub>e</sub> )	-23,3 °C	-25,0 °C
Condensing temp. (T <sub>c</sub> )	55,0 °C	55,0 °C
Liquid temp. (T <sub>liq.</sub> )	32,0 °C	55,0 °C
Ambient temp. (T <sub>amb.</sub> )	32,0 °C	32,0 °C
Suction temp. (T <sub>suction</sub> )	32,0 °C	32,0 °C
Voltage/Frequency	220 V 50 Hz	220 V 50 Hz

## ELECTRICAL COMPONENTS

Run capacitor	4 µF 400 V			
Relay	Option 1			
Reference	PTC K100			
Voltage	200-240 V			
Resistance	14.00 Ω			
Protector	Option 1	Option 2		
Reference	T0530	AE15BU		
Current	8,80 A	8,00 A		
Time check	7,5-14 seg	7,5-14 seg		
Disc temp. (Open/Close)	110,00 / 61,00 °C	120,00 / 62,00 °C		

## ASHRAE

Tc °C	Te °C	Cooling Capacity kCal/h	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-35	81	82	0,46	1,15	0,99
40	-30	112	95	0,51	1,37	1,18
40	-25	150	109	0,57	1,60	1,38
40	-23,3	164	113	0,59	1,68	1,45
40	-20	193	122	0,63	1,84	1,58
40	-15	243	136	0,69	2,08	1,79
40	-10	300	150	0,76	2,33	2,00

45	-35	75	80	0,45	1,09	0,94
45	-30	105	94	0,51	1,30	1,12
45	-25	142	109	0,57	1,52	1,30
45	-23,3	156	114	0,59	1,59	1,37
45	-20	185	124	0,64	1,74	1,50
45	-15	234	139	0,70	1,97	1,69
45	-10	290	154	0,77	2,19	1,89

50	-35	68	77	0,44	1,03	0,88
50	-30	98	93	0,51	1,23	1,05
50	-25	134	109	0,57	1,43	1,23
50	-23,3	148	114	0,60	1,50	1,29
50	-20	177	125	0,64	1,64	1,41
50	-15	225	141	0,72	1,85	1,59
50	-10	281	158	0,79	2,07	1,78

55	-35	62	75	0,43	0,96	0,83
55	-30	91	92	0,50	1,15	0,99
55	-25	127	109	0,57	1,35	1,16
55	-23,3	140	115	0,60	1,42	1,22
55	-20	168	127	0,65	1,55	1,33
55	-15	216	144	0,73	1,75	1,50
55	-10	271	162	0,81	1,95	1,67

60	-35	56	73	0,42	0,89	0,77
60	-30	84	91	0,50	1,08	0,93
60	-25	119	109	0,58	1,26	1,09
60	-23,3	132	116	0,60	1,33	1,14
60	-20	160	128	0,66	1,45	1,25
60	-15	207	147	0,74	1,64	1,41
60	-10	261	166	0,83	1,83	1,57

65	-35	49	70	0,41	0,82	0,70
65	-30	77	90	0,49	1,00	0,86
65	-25	111	110	0,58	1,18	1,02
65	-23,3	124	116	0,61	1,24	1,07
65	-20	152	129	0,66	1,36	1,17
65	-15	198	150	0,75	1,54	1,33
65	-10	252	170	0,85	1,72	1,48

## CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-35	88	82	0,46	1,08	0,93
40	-30	124	95	0,51	1,30	1,13
40	-25	166	109	0,57	1,53	1,32
40	-23,3	181	113	0,59	1,60	1,38
40	-20	213	122	0,63	1,75	1,51
40	-15	267	136	0,69	1,96	1,70
40	-10	327	150	0,76	2,18	1,88

45	-35	78	80	0,45	0,98	0,85
45	-30	111	94	0,51	1,18	1,02
45	-25	150	109	0,57	1,38	1,19
45	-23,3	165	114	0,59	1,45	1,25
45	-20	195	124	0,64	1,58	1,36
45	-15	246	139	0,70	1,77	1,53
45	-10	303	154	0,77	1,97	1,70

50	-35	68	77	0,44	0,89	0,77
50	-30	99	93	0,51	1,06	0,92
50	-25	135	109	0,57	1,24	1,07
50	-23,3	149	114	0,60	1,30	1,12
50	-20	177	125	0,64	1,42	1,22
50	-15	225	141	0,72	1,59	1,38
50	-10	279	158	0,79	1,77	1,53

55	-35	59	75	0,43	0,78	0,68
55	-30	86	92	0,50	0,94	0,81
55	-25	120	109	0,57	1,10	0,95
55	-23,3	132	115	0,60	1,15	0,99
55	-20	159	127	0,65	1,26	1,09
55	-15	204	144	0,73	1,42	1,22
55	-10	255	162	0,81	1,58	1,36

60	-35	49	73	0,42	0,67	0,58
60	-30	73	91	0,50	0,81	0,70
60	-25	104	109	0,58	0,95	0,82
60	-23,3	116	116	0,60	1,00	0,87
60	-20	141	128	0,66	1,10	0,95
60	-15	183	147	0,74	1,25	1,08
60	-10	232	166	0,83	1,40	1,21

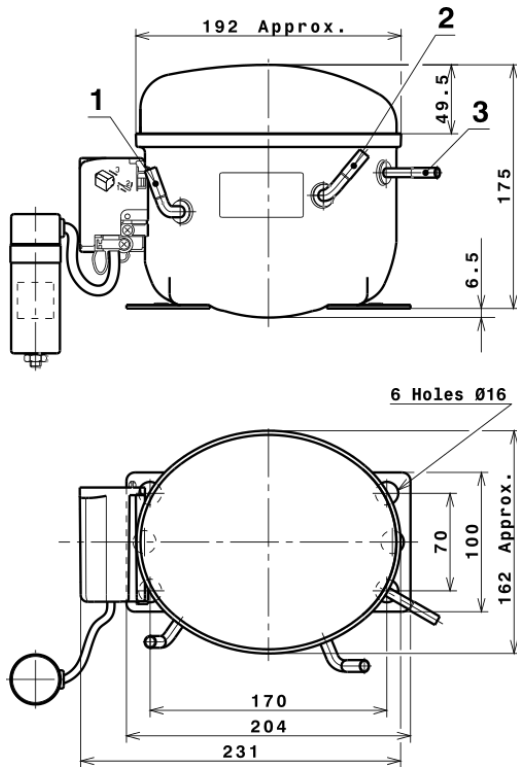
65	-35	39	70	0,41	0,55	0,48
65	-30	61	90	0,49	0,68	0,59
65	-25	89	110	0,58	0,81	0,70
65	-23,3	100	116	0,61	0,86	0,74
65	-20	123	129	0,66	0,95	0,82
65	-15	162	150	0,75	1,09	0,94
65	-10	208	170	0,85	1,22	1,06

## EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	694,8361884255	129,8568201365	0,6711339895	12,46687082634
2	19,1913198546	0,9563265465	0,0054924122	0,37954234491678
3	-5,9709345142	1,3374442636	0,0060421142	-0,052670877138625
4	0,1163960427	0,0052619559	0,0000549235	0,0031839176168183
5	-0,1141431505	0,0518327313	0,0002295056	-0,00065723977230371

Equation	$x_1 + x_2Te + x_3Tc + x_4Te^2 + x_5TeTc$
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## COMPRESSOR DIMENSIONS

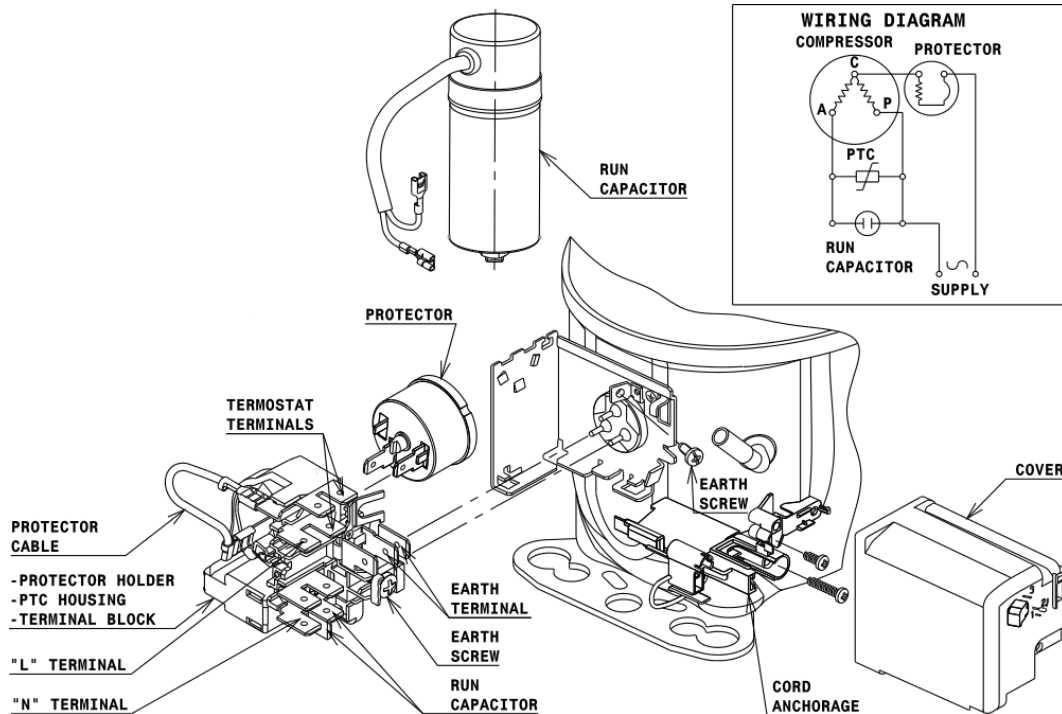


## DESIGNATION INTERNAL DIAM.

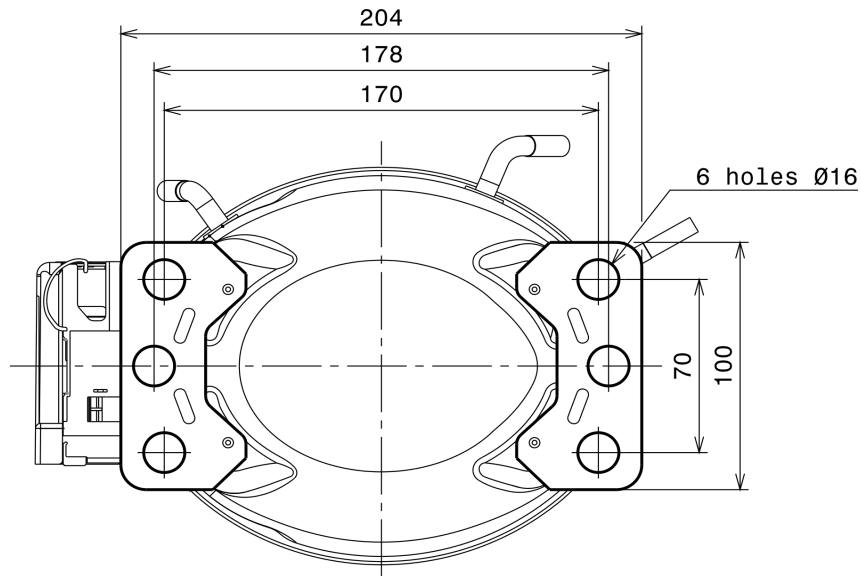
DESIGNATION	INTERNAL DIAM.
1 Suction	6,5 mm
2 Service	6,5 mm
3 Discharge	4,9 mm

## WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

### RSCR CONNECTION (L, P ranges)



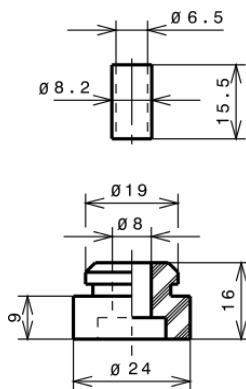
## FIXINGS



## SILENT BLOCKS (MOUNTING ACCESSORIES)

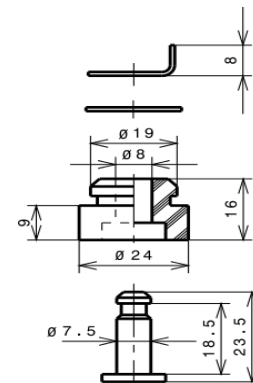
### STANDARD

$\varnothing 16$  holes (170x70 net)



### SNAP-ON

$\varnothing 16$  holes (170x70 net)



## SOA

SOA R134a LBP

