

Technical Data Sheet

Compressor model **GU60TG**
 Voltage **200-230/220-240V 50/60Hz ~1**
 Refrigerant **R134a**
 Compressor status

APPLICATION

Application High Back Pressure
 Refrigerant R134a
 Evaporating Temp. -15,0 °C to 10,0 °C
 Expansion Capillar/Valve
 Comp. Cooling Fan cooled
 Max. ambient temp. 43,0 °C
 Compatible refriger. R1234yf

COMPRESSOR

Displacement 6,00 cm³
 Diameter 22,00 mm
 Stroke 16,00 mm
 Net Weight 8,60 Kg
 Oil type ISO VG 22 ESTER
 Oil charge 220 cm³
 HP 1/5 hp

MOTOR

Voltage/Frequency 220-240V 60Hz
 Voltage range 187-264 V
 Type CSIR
 Phase number 1 PH
 Locked Rotor Amps (LRA) 10,90 A
 Main W. resist. at 25°C 13,30 Ω
 Start W. resist. at 25°C 38,50 Ω

NOMINAL PERFORMANCE

	ASHRAE	CECOMAF
Cooling Capacity	645 kCal/h	620 W
COP	2,38 W/W	2,05 W/W
EER	2,05 kCal/Wh	1,77 kCal/Wh
Input Power	315 W	303 W
Current	1,82 A	1,77 A

APPROVALS



TEST CYCLE CONDITIONS

	ASHRAE HBP (D)	CECOMAF HBP (C)
Evaporating temp. (T _e)	7,2 °C	5,0 °C
Condensing temp. (T _c)	55,0 °C	55,0 °C
Liquid temp. (T _{liq.})	46,0 °C	55,0 °C
Ambient temp. (T _{amb.})	35,0 °C	32,0 °C
Suction temp. (T _{suction})	35,0 °C	32,0 °C
Voltage/Frequency	230 V 60 Hz	230 V 60 Hz

ELECTRICAL COMPONENTS

Starting capacitor	50 µF 330 V			
Relay	Option 1			
Reference	QLZ-4.0A			
Pick-Up	4 V			
Drop-Out	3.4 V			
Protector	Option 1			
Reference	B90-105			
Current	9,40 A			
Time check	7,5-16 seg			
Disc temp. (Open/Close)	110,00 / 62,00 °C			

ASHRAE

Tc °C	Te °C	Cooling Capacity kCal/h	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-15	294	187	1,45	1,83	1,57
40	-10	359	199	1,47	2,10	1,81
40	-5	444	215	1,50	2,41	2,07
40	0	551	234	1,54	2,74	2,35
40	5	678	257	1,61	3,06	2,63
40	7,2	740	269	1,64	3,20	2,75
40	10	825	285	1,70	3,37	2,90

45	-15	277	193	1,46	1,67	1,44
45	-10	339	207	1,48	1,90	1,64
45	-5	421	225	1,52	2,18	1,87
45	0	524	246	1,57	2,47	2,13
45	5	647	272	1,65	2,77	2,38
45	7,2	708	284	1,70	2,90	2,49
45	10	792	301	1,76	3,06	2,63

50	-15	260	199	1,47	1,52	1,31
50	-10	318	215	1,50	1,72	1,48
50	-5	397	235	1,54	1,97	1,69
50	0	497	259	1,61	2,23	1,92
50	5	617	286	1,70	2,51	2,16
50	7,2	677	300	1,76	2,63	2,26
50	10	758	318	1,83	2,77	2,39

55	-15	243	205	1,48	1,38	1,19
55	-10	298	223	1,52	1,55	1,34
55	-5	374	245	1,57	1,77	1,52
55	0	470	271	1,65	2,02	1,73
55	5	587	301	1,76	2,27	1,95
55	7,2	645	315	1,82	2,38	2,05
55	10	725	334	1,91	2,52	2,17

60	-15	226	211	1,49	1,25	1,07
60	-10	278	231	1,54	1,40	1,20
60	-5	350	255	1,60	1,59	1,37
60	0	443	283	1,69	1,82	1,56
60	5	557	315	1,82	2,05	1,77
60	7,2	613	330	1,89	2,16	1,86
60	10	691	351	1,99	2,29	1,97

65	-15	209	217	1,50	1,12	0,96
65	-10	257	239	1,56	1,25	1,08
65	-5	326	266	1,63	1,43	1,23
65	0	416	296	1,74	1,64	1,41
65	5	527	330	1,89	1,86	1,60
65	7,2	582	346	1,97	1,96	1,68
65	10	658	367	2,08	2,08	1,79

CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-15	317	188	1,45	1,68	1,45
40	-10	387	200	1,47	1,94	1,67
40	-5	480	216	1,50	2,22	1,92
40	0	594	235	1,55	2,52	2,18
40	5	730	259	1,61	2,82	2,43
40	7,2	796	271	1,65	2,94	2,54
40	10	887	287	1,71	3,10	2,67

45	-15	297	194	1,46	1,53	1,32
45	-10	363	208	1,49	1,75	1,51
45	-5	452	226	1,52	2,00	1,73
45	0	561	248	1,58	2,27	1,96
45	5	693	274	1,66	2,53	2,19
45	7,2	758	286	1,70	2,65	2,29
45	10	847	303	1,77	2,79	2,41

50	-15	277	200	1,47	1,38	1,20
50	-10	339	216	1,50	1,57	1,36
50	-5	423	236	1,55	1,79	1,55
50	0	529	260	1,62	2,03	1,76
50	5	657	288	1,71	2,28	1,97
50	7,2	720	302	1,76	2,39	2,06
50	10	806	320	1,84	2,52	2,18

55	-15	257	206	1,48	1,25	1,08
55	-10	315	224	1,52	1,40	1,21
55	-5	395	247	1,58	1,60	1,38
55	0	497	273	1,66	1,82	1,57
55	5	620	303	1,77	2,05	1,77
55	7,2	681	317	1,83	2,15	1,86
55	10	765	336	1,92	2,27	1,96

60	-15	237	212	1,49	1,12	0,97
60	-10	291	233	1,54	1,25	1,08
60	-5	367	257	1,60	1,43	1,23
60	0	464	285	1,70	1,63	1,41
60	5	584	317	1,83	1,84	1,59
60	7,2	643	332	1,90	1,93	1,67
60	10	724	353	2,00	2,05	1,77

65	-15	217	218	1,51	1,00	0,86
65	-10	267	241	1,56	1,11	0,96
65	-5	339	267	1,64	1,27	1,10
65	0	432	297	1,75	1,45	1,25
65	5	547	332	1,90	1,65	1,43
65	7,2	604	348	1,98	1,74	1,50
65	10	684	370	2,09	1,85	1,60

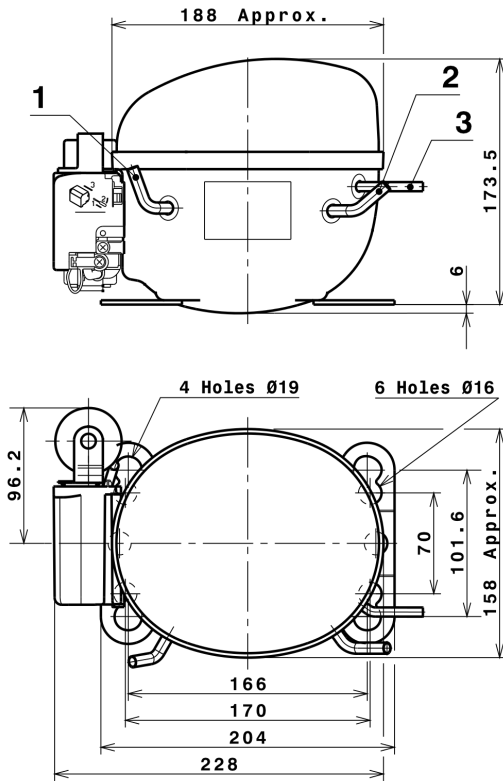
EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	856,9929324507	139,7785795207	1,1613106996	13,678834970057
2	31,9201523777	1,0211362800	-0,0049392249	0,56023711340847
3	-6,7732246449	2,5443789150	0,0094322961	-0,017111527373296
4	0,4273639933	0,0824999140	0,0006158109	0,012366938401786
5	-0,1800618195	0,0873092806	0,0004868121	0,00079944874245482

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

COMPRESSOR DIMENSIONS

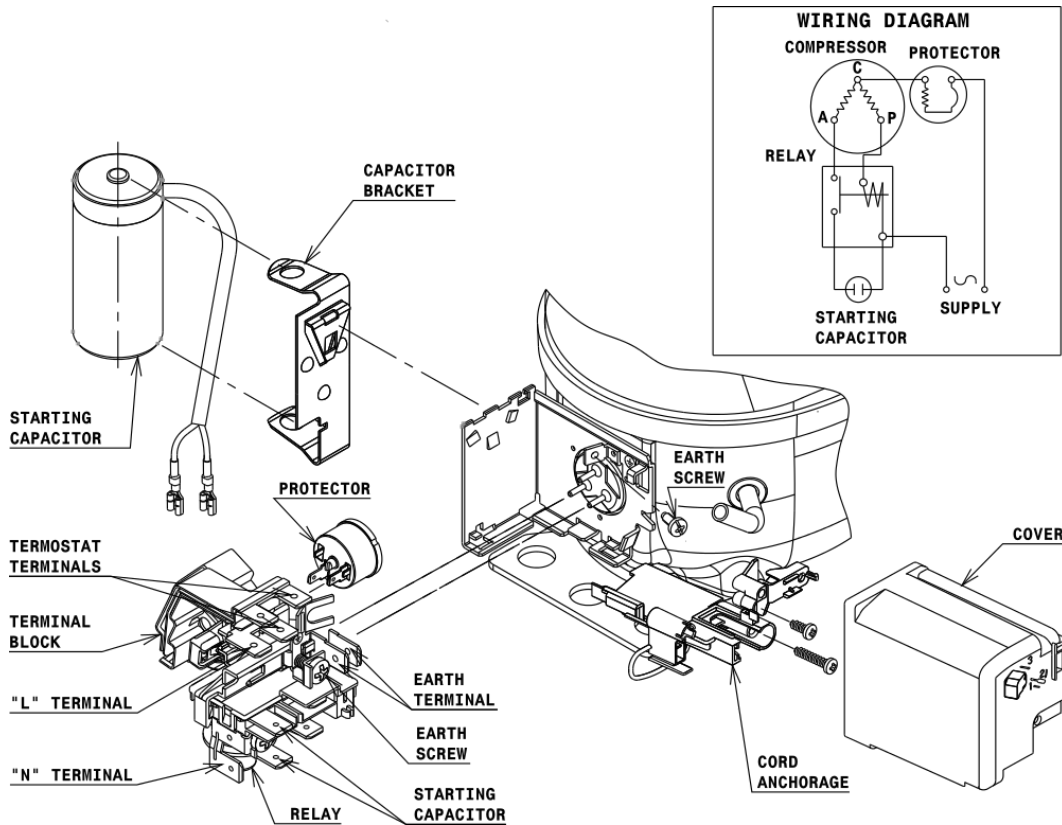


DESIGNATION INTERNAL DIAM.

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

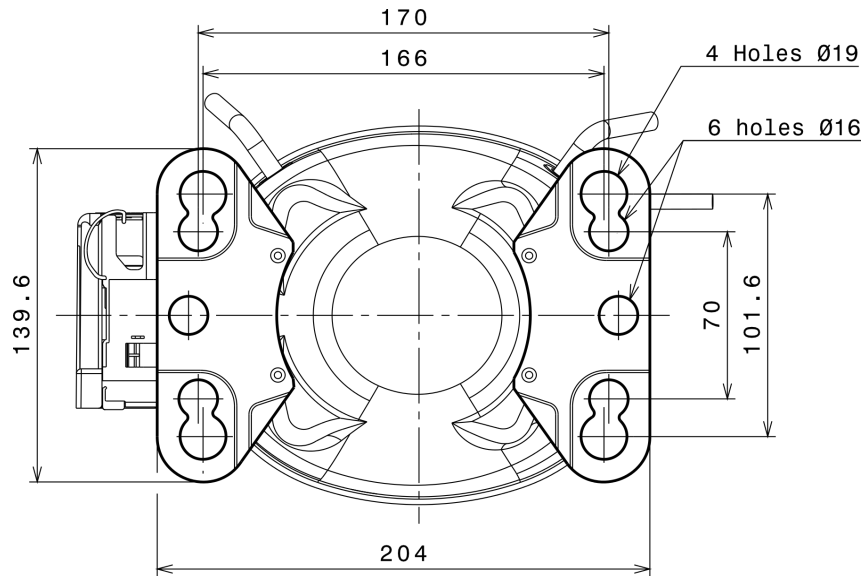
WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

CSIR CONNECTION (U range)



Technical Data Sheet

FIXINGS



SILENT BLOCKS (MOUNTING ACCESSORIES)

STANDARD

Ø16 holes (170x70 net)



AMERICAN FEET

Ø19 holes (166x101.6 net)



SNAP-ON

Ø16 holes (170x70 net)



SOA

SOA R134a HBP

