

# Technical Data Sheet

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

## 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 cm<sup>3</sup>  
 Diameter 22,00 mm  
 Stroke 16,00 mm  
 Net Weight 8,60 Kg  
 Oil type ISO VG 22 ESTER  
 Oil charge 220 cm<sup>3</sup>

## MOTOR

Nominal Power 1/5 hp  
 Voltage/Frequency 200-230V 50Hz  
 Voltage range 170-253 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	550 kCal/h	529 W
COP	2,40 W/W	2,06 W/W
EER	2,06 kCal/Wh	1,78 kCal/Wh
Input Power	267 W	257 W
Current	1,79 A	1,74 A

## APPROVALS



## TEST CYCLE CONDITIONS

	ASHRAE HBP (D)	CECOMAF HBP (C)
Evaporating temp. (T <sub>e</sub> )	7,2 °C	5,0 °C
Condensing temp. (T <sub>c</sub> )	55,0 °C	55,0 °C
Liquid temp. (T <sub>liq.</sub> )	46,0 °C	55,0 °C
Ambient temp. (T <sub>amb.</sub> )	35,0 °C	32,0 °C
Suction temp. (T <sub>suction</sub> )	35,0 °C	32,0 °C
Voltage/Frequency	200 V 50 Hz	200 V 50 Hz

## ELECTRICAL COMPONENTS

Starting capacitor	50 µF 330 V			
Relay	Option 1			
Reference	QLZ-4.0A			
Pick-Up	4.00 V			
Drop-Out	3.40 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	251	159	1,43	1,84	1,58
40	-10	307	169	1,45	2,11	1,81
40	-5	380	182	1,48	2,42	2,08
40	0	470	199	1,52	2,75	2,36
40	5	578	218	1,59	3,08	2,65
40	7,2	631	228	1,62	3,22	2,77
40	10	703	241	1,67	3,39	2,92

45	-15	236	164	1,44	1,68	1,44
45	-10	289	176	1,46	1,91	1,64
45	-5	359	191	1,50	2,19	1,88
45	0	447	209	1,56	2,49	2,14
45	5	552	231	1,63	2,79	2,39
45	7,2	604	241	1,67	2,91	2,51
45	10	675	255	1,73	3,08	2,64

50	-15	222	169	1,45	1,53	1,31
50	-10	272	183	1,48	1,73	1,49
50	-5	339	200	1,53	1,98	1,70
50	0	424	220	1,59	2,25	1,93
50	5	526	243	1,68	2,52	2,17
50	7,2	577	254	1,73	2,64	2,27
50	10	646	269	1,80	2,79	2,40

55	-15	207	174	1,46	1,38	1,19
55	-10	254	190	1,50	1,56	1,34
55	-5	319	208	1,55	1,78	1,53
55	0	401	230	1,63	2,03	1,74
55	5	501	255	1,73	2,28	1,96
55	7,2	550	267	1,79	2,40	2,06
55	10	618	283	1,87	2,54	2,18

60	-15	192	179	1,47	1,25	1,07
60	-10	237	196	1,52	1,40	1,21
60	-5	299	217	1,58	1,60	1,38
60	0	378	240	1,67	1,83	1,57
60	5	475	267	1,79	2,07	1,78
60	7,2	523	280	1,86	2,17	1,87
60	10	589	297	1,95	2,31	1,98

65	-15	178	184	1,48	1,12	0,97
65	-10	219	203	1,54	1,26	1,08
65	-5	278	225	1,61	1,44	1,24
65	0	355	251	1,72	1,65	1,42
65	5	449	279	1,85	1,87	1,61
65	7,2	496	293	1,93	1,97	1,69
65	10	561	311	2,03	2,10	1,80

## CECOMAF

Tc °C	Te °C	Cooling Capacity W	Consumption W	Current A	COP W/W	EER kCal/Wh
40	-15	270	160	1,43	1,69	1,46
40	-10	331	170	1,45	1,95	1,68
40	-5	410	183	1,48	2,23	1,93
40	0	507	200	1,53	2,53	2,19
40	5	622	220	1,59	2,83	2,45
40	7,2	679	229	1,63	2,96	2,56
40	10	756	243	1,68	3,12	2,69

45	-15	253	165	1,44	1,54	1,33
45	-10	310	177	1,47	1,75	1,51
45	-5	385	192	1,51	2,01	1,73
45	0	479	210	1,56	2,28	1,97
45	5	591	232	1,64	2,55	2,20
45	7,2	646	243	1,68	2,66	2,30
45	10	722	257	1,74	2,81	2,43

50	-15	236	170	1,45	1,39	1,20
50	-10	289	184	1,48	1,58	1,36
50	-5	361	201	1,53	1,80	1,56
50	0	451	221	1,60	2,04	1,77
50	5	560	244	1,69	2,29	1,98
50	7,2	614	256	1,74	2,40	2,07
50	10	687	271	1,81	2,54	2,19

55	-15	219	175	1,46	1,25	1,08
55	-10	269	191	1,50	1,41	1,22
55	-5	337	209	1,56	1,61	1,39
55	0	424	231	1,64	1,83	1,58
55	5	529	257	1,74	2,06	1,78
55	7,2	581	269	1,80	2,16	1,87
55	10	652	285	1,88	2,29	1,98

60	-15	202	180	1,47	1,12	0,97
60	-10	248	197	1,52	1,26	1,09
60	-5	313	218	1,59	1,44	1,24
60	0	396	242	1,68	1,64	1,42
60	5	498	269	1,80	1,85	1,60
60	7,2	548	282	1,86	1,95	1,68
60	10	618	299	1,96	2,06	1,78

65	-15	185	185	1,49	1,00	0,86
65	-10	228	204	1,54	1,11	0,96
65	-5	289	227	1,62	1,27	1,10
65	0	368	252	1,72	1,46	1,26
65	5	466	281	1,86	1,66	1,43
65	7,2	515	295	1,94	1,75	1,51
65	10	583	313	2,04	1,86	1,61

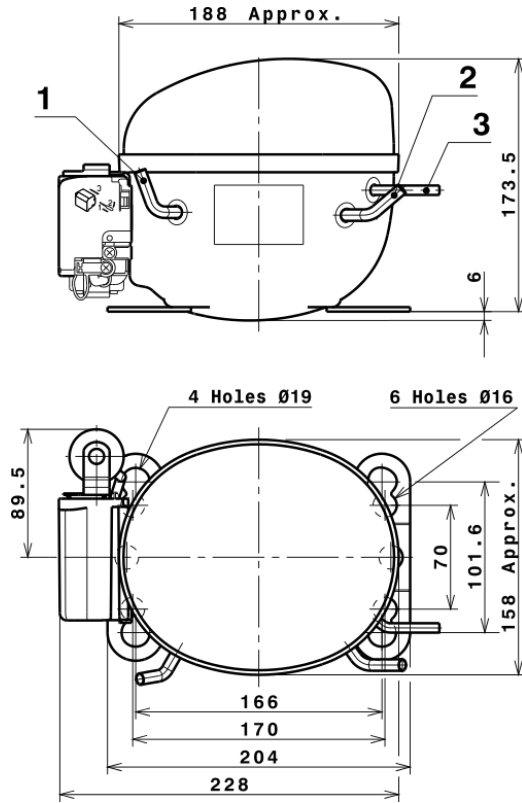
## EN12900

X	Cooling Capacity (W)	Consumption (W)	Current (A)	Mass Flow (kg/h)
1	731,6178069846	119,0739547218	1,1655348591	11,684794897754
2	27,1167848932	0,7929005966	-0,0039908181	0,47528138679346
3	-5,7868345421	2,1513871073	0,0089714746	-0,014856306196121
4	0,3616257033	0,0678425560	0,0005451311	0,010472336671323
5	-0,1519069643	0,0748291568	0,0004481795	0,00072025350238964

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

## COMPRESSOR DIMENSIONS

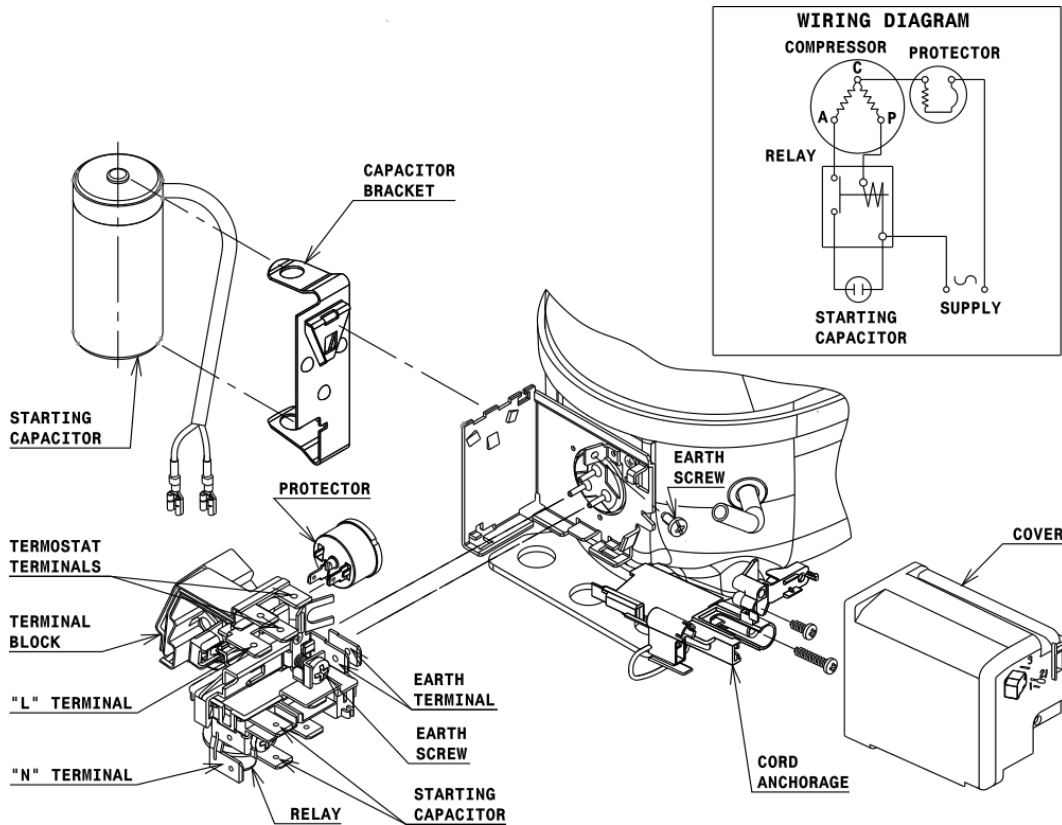


## DESIGNATION INTERNAL DIAM.

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

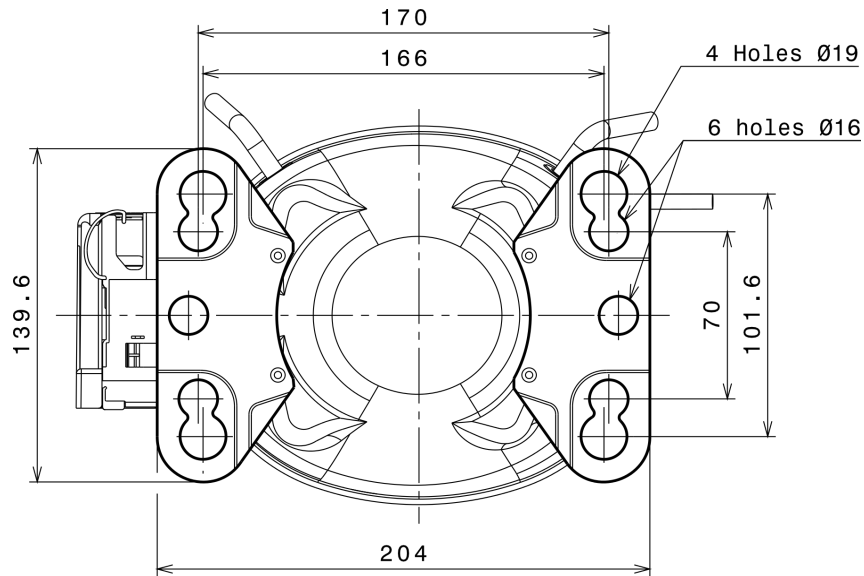
## WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

### 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

