

Technical Data Sheet

Compressor model **GP16TB**
Voltage **220-240V 50Hz ~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

COMPRESSOR

Displacement 16,15 cm³
Diameter 31,19 mm
Stroke 21,13 mm
Net Weight 12,03 Kg
Oil type ISO VG 32 ESTER
Oil charge 400 cm³

MOTOR

Approximate Power 3/8 hp
Voltage/Frequency 220-240V 50Hz
Voltage range 198-255 V
Type CSIR
Phase number 1 P
Locked rotor current 20,00 A
Main W. resist. at 25°C 4,83 Ω
Start W. resist. at 25°C 20,22 Ω

NOMINAL PERFORMANCE

	ASHRAE	CECOMAF
Cooling Capacity	1.240 kcal/h	1.216 W
COP	2,09 W/W	1,84 W/W
EER	1,80 kcal/Wh	1,59 kcal/Wh
Input Power	690 W	662 W
Current	4,00 A	3,89 A

APPROVALS



TEST CYCLE CONDITIONS

	ASHRAE HBP (D)	CECOMAF HBP (C)
Evaporating temp.	7,2 °C	5,0 °C
Condensing temp.	55,0 °C	55,0 °C
Liquid temp.	46,0 °C	55,0 °C
Ambient temp.	35,0 °C	32,0 °C
Suction temp.	35,0 °C	32,0 °C
Voltage/Frequency	220 V 50 Hz	220 V 50 Hz

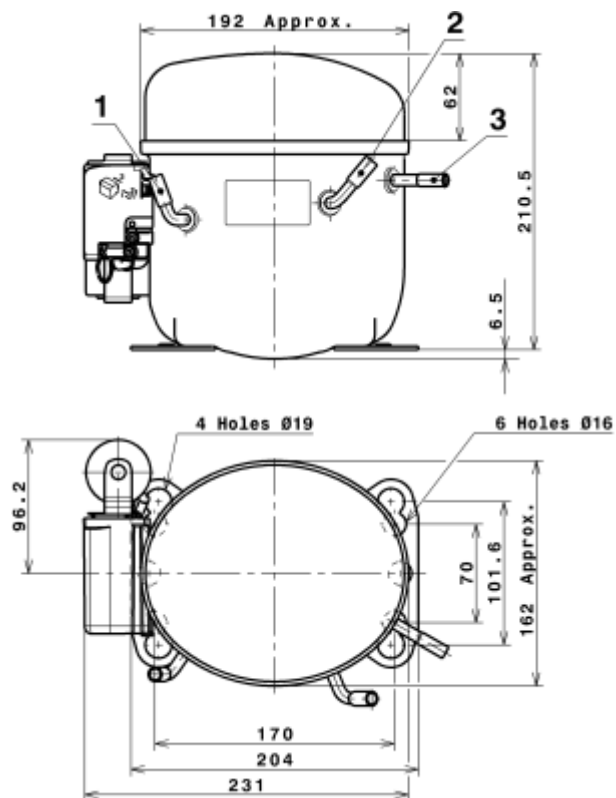
ELECTRICAL COMPONENTS

Starting capacitor	72- 88 µF 330 V			
Relay	Option 1			
Reference	2014 158.			
Pick-Up	9,05 A			
Drop-Out	7,70 A			
Protector	Option 1	Option 2		
Reference	MRA38133	T0267		
Current	11,50 A	11,00 A		
Time check	7,5-14 seg	7,5-14 seg		
Disc temp. (Open/Close)	105,00 / 52,00 °C	105,00 / 52,00 °C		

ASHRAE

Tc	Te	Cooling Capacity kcal/h	Consumption W	Current A	COP W/W	EER kcal/Wh
40	-15	560	400	3,01	1,63	1,40
40	-10	740	448	3,16	1,92	1,65
40	-5	945	495	3,30	2,22	1,91
40	0	1.175	539	3,45	2,53	2,18
40	5	1.430	582	3,60	2,86	2,46
40	7,2	1.550	600	3,66	3,00	2,58
40	10	1.710	622	3,75	3,19	2,75
45	-15	523	410	3,04	1,48	1,28
45	-10	688	463	3,20	1,73	1,49
45	-5	878	514	3,37	1,99	1,71
45	0	1.093	563	3,53	2,26	1,94
45	5	1.333	610	3,70	2,54	2,19
45	7,2	1.447	630	3,77	2,67	2,30
45	10	1.598	655	3,87	2,84	2,44
50	-15	487	420	3,07	1,35	1,16
50	-10	637	477	3,25	1,55	1,33
50	-5	812	533	3,43	1,77	1,52
50	0	1.012	586	3,62	2,01	1,73
50	5	1.237	638	3,80	2,25	1,94
50	7,2	1.343	660	3,89	2,37	2,04
50	10	1.486	687	3,99	2,51	2,16
55	-15	450	430	3,10	1,22	1,05
55	-10	585	492	3,29	1,38	1,19
55	-5	745	552	3,50	1,57	1,35
55	0	930	610	3,70	1,77	1,52
55	5	1.140	666	3,91	1,99	1,71
55	7,2	1.240	690	4,00	2,09	1,80
55	10	1.374	720	4,12	2,22	1,91
60	-15	413	440	3,13	1,09	0,94
60	-10	533	507	3,34	1,22	1,05
60	-5	678	571	3,56	1,38	1,19
60	0	848	634	3,79	1,56	1,34
60	5	1.043	694	4,02	1,75	1,50
60	7,2	1.137	720	4,12	1,84	1,58
60	10	1.263	753	4,25	1,95	1,68
65	-15	377	450	3,16	0,97	0,84
65	-10	482	521	3,39	1,08	0,92
65	-5	612	590	3,63	1,21	1,04
65	0	767	657	3,87	1,36	1,17
65	5	946	722	4,13	1,52	1,31
65	7,2	1.033	750	4,24	1,60	1,38
65	10	1.151	785	4,38	1,71	1,47

COMPRESSOR DIMENSIONS

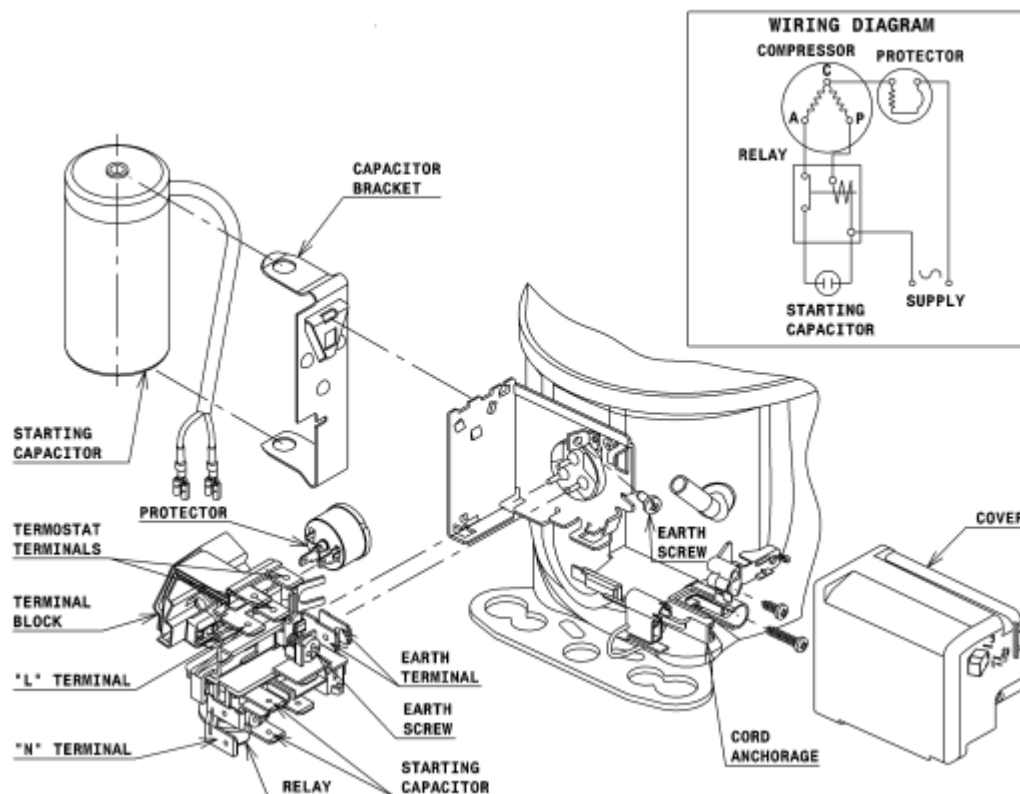


DESIGNATION INTERNAL DIAM.

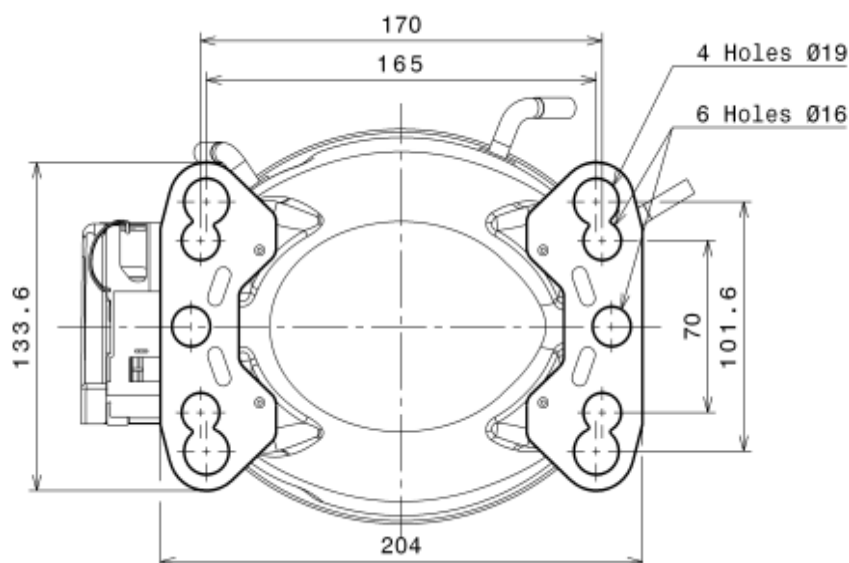
1	Suction	8,1 mm
2	Service	8,1 mm
3	Discharge	6,5 mm

WIRING DIAGRAMS AND ELECTRICAL ASSEMBLY

CSIR CONNECTION



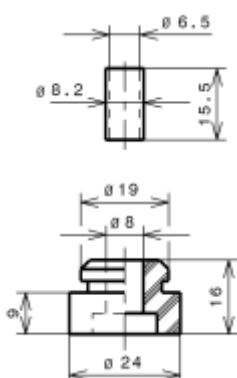
FIXINGS



SILENT BLOCKS (MOUNTING ACCESSORIES)

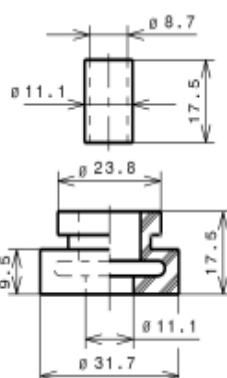
STANDARD

D.16 holds net (170x70)



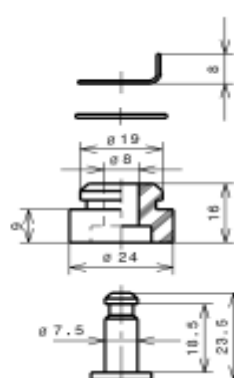
AMERICAN FEET

D.19 (165x101.6)



SNAP-ON

D.16 holds net (170x70)



SOA

SOA R134a HBP

