

Compressor Technical Data

Model: EMT6165GK

Code: 912GA67

Description

Refrigerant:	R-404A	Displacement (cm ³):	5,19
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	180
Application:	MBP	Motor Type:	CSIR
HP:	1/3	Starting Torque:	HST
Efficiency:	7,60	Type of Test:	ASHRAE46
Capacity:	2994,00		

Approval

VDE

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Slanted 42°	Copper	6,10
Discharge Connector	Straight	Copper	4,86
Process Connector	Slanted 42°	Copper	6,10

Oil Cooler:	
Base Plate:	European Standard
Tray Holder:	No
Weight (kg):	7,80

Application

Maximum ambient temperature (°C):	43
Expansion device:	Capillary/ Valve
Cooling:	Fan Cooling
Air flow rate:	

Mechanical Data

Bill of materials:	912GA67
Starting torque:	High Starting Torque
Bore (mm):	21,00
Stroke (mm):	7,50
Weight (kg):	7,80

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	0,00
Winding Resistance (25°C) - Run:	0,00

Check Point - Condensing Temperature 54,4 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Efficiency +/-7%		
(°C)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kcal/Wh)	(W/W)	(Btu/Wh)
7,2	752	875	2.986	392	2,16	1,92	2,23	7,62

Condensing Temperature 35 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(°C)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-20	364	423	1.443	218	1,59	9,15	1,67	1,94	6,62
-15	449	523	1.783	235	1,64	11,39	1,91	2,22	7,58
-10	549	639	2.180	253	1,69	14,01	2,18	2,53	8,63
-5	665	773	2.638	270	1,75	17,07	2,46	2,86	9,76
0	796	925	3.158	288	1,81	20,61	2,76	3,21	10,96
5	944	1.097	3.745	307	1,87	24,69	3,08	3,58	12,21
10	1.109	1.290	4.401	326	1,94	29,38	3,40	3,95	13,49

Condensing Temperature 45 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(°C)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-20	305	355	1.212	233	1,63	8,49	1,31	1,53	5,21
-15	381	443	1.510	254	1,69	10,65	1,50	1,74	5,95
-10	469	545	1.861	275	1,76	13,20	1,70	1,98	6,76
-5	571	664	2.266	297	1,84	16,20	1,92	2,24	7,63
0	688	800	2.729	319	1,91	19,71	2,15	2,51	8,55
5	820	953	3.252	342	1,99	23,77	2,40	2,79	9,52
10	968	1.126	3.841	365	2,07	28,44	2,65	3,08	10,52

Condensing Temperature 55 °C

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(°C)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-20	247	287	981	244	1,66	7,72	1,01	1,18	4,01
-15	311	361	1.233	272	1,74	9,76	1,14	1,33	4,54
-10	386	449	1.531	299	1,83	12,21	1,29	1,50	5,12
-5	473	550	1.878	326	1,93	15,12	1,45	1,69	5,76

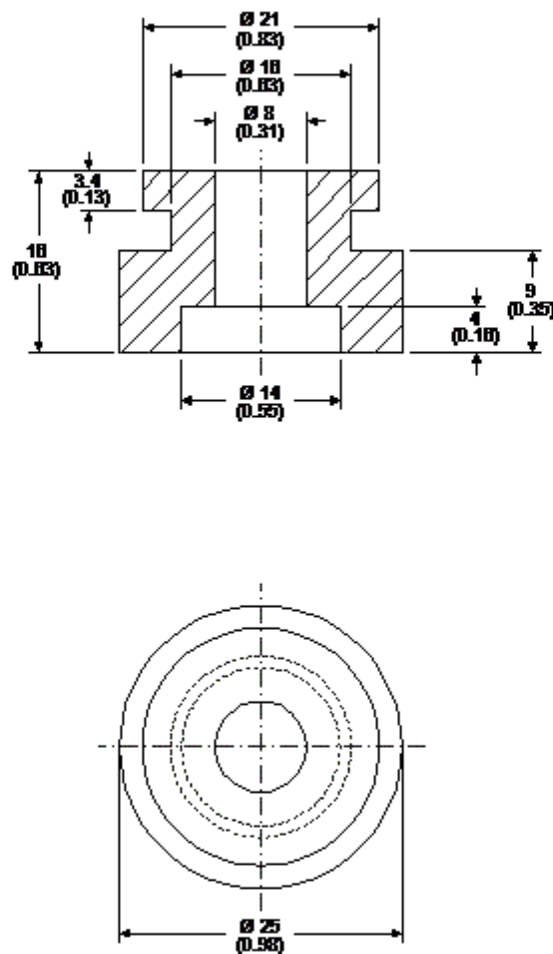
0	574	667	2.277	354	2,03	18,54	1,62	1,89	6,43
5	689	801	2.733	382	2,12	22,54	1,80	2,10	7,15
10	818	952	3.247	411	2,22	27,17	1,99	2,32	7,90

Dimensions

Rubber Grommet

Engineering Code	13146411
Dimensions	mm (Inch)

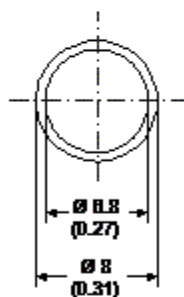
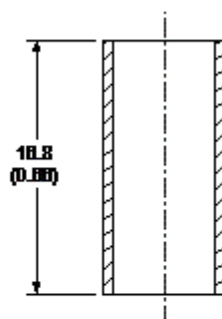
The grommets are made of special rubber and used in the nut and bolt type or in the snap on type assembly. The rummer grommet, the dimensions of which are shown in the figure below, was developed for installation in compressors with 16 and 19 mm diameters holes in the base plate.



Metal Bushing

Engineering Code	13126755
Dimensions	mm (Inch)

As an optional assembly accessory, Embraco can supply metal bushings, the purpose of which is to limit tightening of the screws upon attachment of the compressor assembly to the refrigeration system. This bushing is made of steel in the dimensions shown in the figure below, and comes with an anti-rust coating of chromated zinc.



Accessories