

Compressor Technical Data

Model: EMT2125GK

Code: 912DA62

Description

Refrigerant:	R-404A	Displacement (cm ³):	5,96
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	180
Application:	LBP	Motor Type:	CSIR
HP:	1/3+	Starting Torque:	HST
Efficiency:	4,77	Type of Test:	ASHRAE32
Capacity:	1198,00		

Approval

VDE

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Slanted 42°	Copper	6,10
Discharge Connector	Straight	Copper	4,94
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:	912DA62
Starting torque:	High Starting Torque
Bore (mm):	22,50
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)
-23,3	304	354	1.206	250	1,58	1,22	1,41	4,82

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)
-40	151	176	599	155	1,29	4,03	0,98	1,13	3,87
-35	197	229	783	174	1,35	5,28	1,13	1,32	4,49
-30	252	293	1.001	195	1,41	6,77	1,29	1,50	5,13
-25	318	369	1.260	217	1,48	8,56	1,47	1,71	5,82
-20	395	459	1.566	239	1,55	10,69	1,65	1,92	6,55
-15	485	564	1.924	262	1,62	13,22	1,85	2,15	7,34
-10	590	686	2.340	286	1,70	16,19	2,06	2,40	8,18

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)
-40	139	162	552	158	1,29	3,70	0,88	1,02	3,49
-35	184	214	730	180	1,36	4,92	1,02	1,19	4,05
-30	237	276	942	204	1,43	6,36	1,16	1,35	4,61
-25	300	349	1.191	230	1,51	8,08	1,31	1,52	5,19
-20	374	435	1.485	256	1,60	10,12	1,46	1,70	5,79
-15	461	536	1.830	285	1,70	12,55	1,62	1,88	6,43
-10	562	653	2.230	314	1,80	15,39	1,79	2,08	7,10

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)
-40	122	142	486	156	1,29	3,25	0,78	0,91	3,11
-35	167	194	662	182	1,37	4,44	0,92	1,07	3,64
-30	219	254	867	210	1,45	5,85	1,04	1,21	4,13
-25	280	325	1.109	240	1,55	7,51	1,16	1,35	4,62
-20	351	408	1.393	272	1,66	9,48	1,29	1,50	5,12

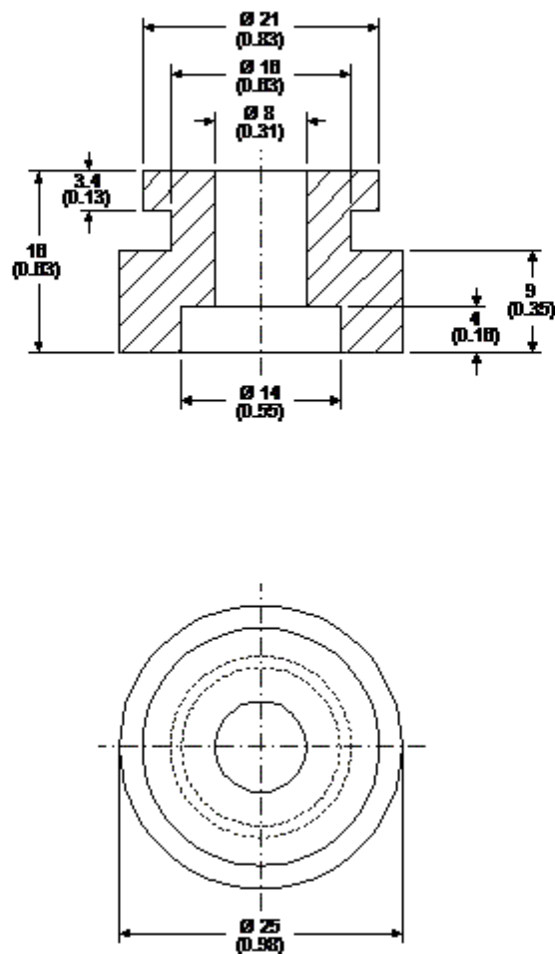
-15	435	506	1.725	306	1,78	11,80	1,42	1,65	5,64
-10	532	618	2.110	342	1,91	14,54	1,56	1,81	6,17

Dimensions

Rubber Grommet

Engineering Code	13146411
Dimensions	mm (Inch)

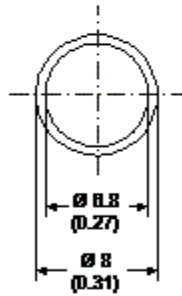
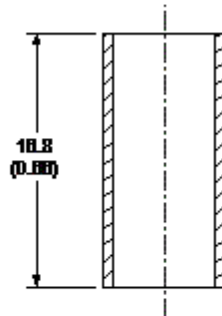
The grommets are made of special rubber and used in the nut and bolt type or in the snap on type assembly. The rubber grommet, the dimensions of which are shown in the figure below, was developed for installation in compressors with 16 and 19 mm diameters holes in the base plate.



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