

Compressor Technical Data

Model: NJ9238GS

Code: 947RM11

Description

Refrigerant:	R-404A	Displacement (cm ³):	32,67
Voltage:	380-420 V 50 Hz / 440-480 V 60 Hz 3 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	750
Application:	MBP	Motor Type:	RSIR
HP:	1 1/2	Starting Torque:	HST
Efficiency:	8,69	Type of Test:	ASHRAE46
Capacity:	16513,00		

Approval

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Vertical	Copper	12,77
Discharge Connector	Slanted J	Copper	8,00
Process Connector	Vertical	Copper	6,42

Oil Cooler:	
Base Plate:	American Standard
Tray Holder:	No
Weight (kg):	21,70

Application

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

Mechanical Data

Bill of materials:	947RM11
Starting torque:	High Starting Torque
Bore (mm):	41,77
Stroke (mm):	11,93
Weight (kg):	21,70

Electrical Data

Motor type:	RSIR
Winding Resistance (25°C) - Start:	8,40
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	4.210	4.897	16.708	1.888	3,91	2,23	2,59	8,85

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	1.904	2.214	7.555	1.043	2,23	47,95	1,83	2,12	7,24
-15	2.441	2.838	9.685	1.156	2,50	61,83	2,11	2,46	8,38
-10	3.054	3.552	12.120	1.260	2,76	77,85	2,42	2,82	9,62
-5	3.745	4.355	14.861	1.355	3,00	96,16	2,76	3,21	10,97
0	4.512	5.248	17.906	1.441	3,20	116,87	3,13	3,64	12,43
5	5.356	6.230	21.256	1.517	3,35	140,11	3,53	4,11	14,01
10	6.277	7.301	24.911	1.584	3,42	166,01	3,96	4,61	15,73

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	1.590	1.849	6.310	1.062	2,29	44,22	1,50	1,74	5,94
-15	2.047	2.381	8.123	1.191	2,57	57,24	1,72	2,00	6,82
-10	2.578	2.998	10.230	1.316	2,86	72,58	1,96	2,28	7,77
-5	3.183	3.702	12.633	1.438	3,13	90,38	2,21	2,57	8,79
0	3.863	4.493	15.330	1.556	3,38	110,77	2,48	2,89	9,85
5	4.617	5.370	18.322	1.671	3,59	133,86	2,76	3,21	10,96
10	5.445	6.333	21.609	1.782	3,74	159,79	3,06	3,55	12,12

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	1.263	1.469	5.014	1.083	2,35	39,43	1,17	1,36	4,63

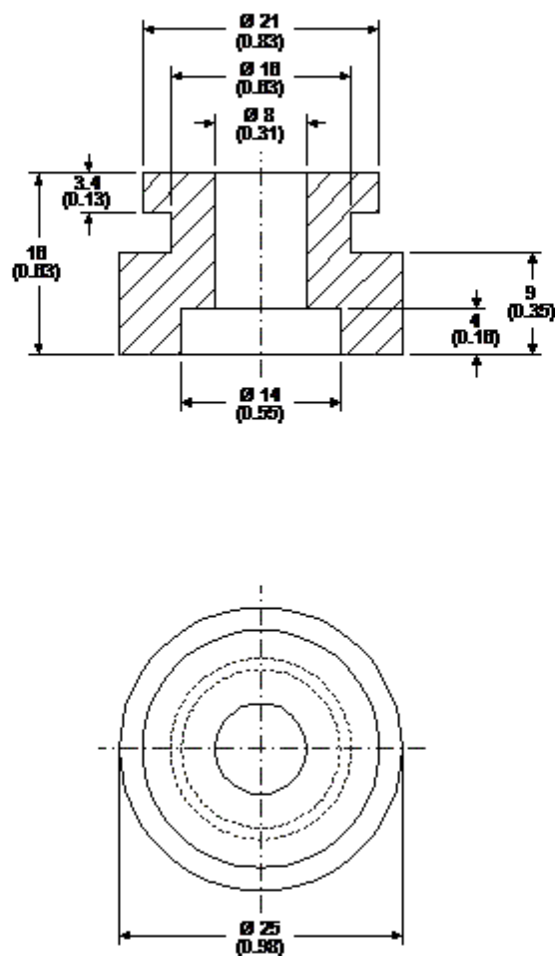
-15	1.637	1.90 3	6.495	1.227	2,64	51,42	1,33	1,55	5,29
-10	2.082	2.42 1	8.261	1.374	2,95	65,92	1,51	1,76	6,01
-5	2.599	3.02 2	10.312	1.524	3,26	83,06	1,71	1,98	6,77
0	3.187	3.70 7	12.648	1.676	3,56	102,95	1,90	2,21	7,55
5	3.848	4.47 5	15.268	1.830	3,83	125,73	2,10	2,44	8,34
10	4.580	5.32 6	18.173	1.987	4,05	151,53	2,31	2,68	9,15

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.



Accessories