Compressor Technical Data

Model: NJ2192GK

Code: 944AA11

Description

Refrigerant:	R-404A	Displacement (cm³):	26,11
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	750
Application:	LBP	Motor Type:	CSCR
HP:	11/4	Starting Torque:	HST
Efficiency:	4,50	Type of Test:	ASHRAE32
Capacity:	3842,00		

Approval

CCC

IMQ

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Vertical	Copper	9,60
Discharge Connector	Slanted J	Copper	8,00
Process Connector	Vertical	Copper	6,42

Oil Cooler:	
Base Plate:	American Standard
Tray Holder:	No
Weight (kg):	20,35

Application

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

Mechanical Data

Bill of materials:	944AA11
Starting torque:	High Starting Torque
Bore (mm):	41,77
Stroke (mm):	9,53
Weight (kg):	20,35

Electrical Data

Motor type:	CSCR
Winding Resistance (25ºC) - Start:	2,90
Winding Resistance (25ºC) - Run:	11,20

Check Point - Condensing Temperature 54,4 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kcal/Wh)	(W/W)	(Btu/Wh)
-23,3	983	1.143	3.902	868	4,00	1,13	1,32	4,49

Condensing Temperature 35 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-40	443	515	1.758	503	2,34	11,82	0,88	1,02	3,50
-35	614	714	2.438	591	2,73	16,44	1,04	1,21	4,13
-30	828	963	3.286	682	3,13	22,23	1,22	1,41	4,82
-25	1.086	1.262	4.308	775	3,55	29,27	1,40	1,63	5,56
-20	1.388	1.614	5.506	870	3,99	37,61	1,59	1,85	6,33
-15	1.735	2.018	6.886	967	4,44	47,32	1,79	2,09	7,12
-10	2.130	2.477	8.451	1.065	4,92	58,46	2,00	2,33	7,93

Condensing Temperature 45 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-40	356	414	1.412	482	2,21	9,47	0,74	0,86	2,93
-35	528	614	2.095	586	2,68	14,10	0,90	1,05	3,58
-30	736	856	2.920	692	3,17	19,71	1,06	1,24	4,22
-25	980	1.140	3.890	802	3,68	26,38	1,22	1,42	4,85
-20	1.263	1.469	5.011	914	4,21	34,15	1,38	1,61	5,48
-15	1.584	1.843	6.287	1.028	4,76	43,11	1,54	1,79	6,12
-10	1.946	2.263	7.721	1.144	5,35	53,31	1,70	1,98	6,75

Condensing Temperature 55 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-40	265	308	1.050	436	2,01	7,03	0,61	0,71	2,41
-35	444	516	1.761	562	2,58	11,84	0,79	0,92	3,13
-30	652	758	2.587	692	3,18	17,44	0,94	1,10	3,74

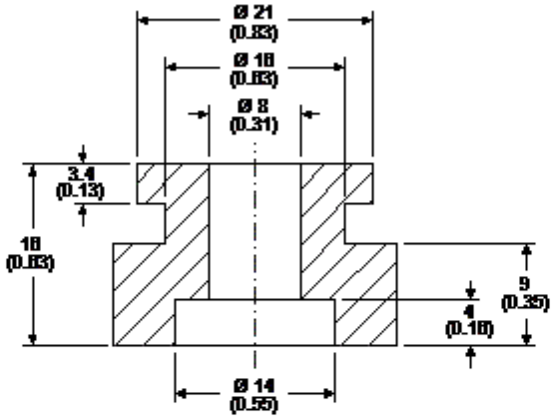
-25	890	1.035	3.532	824	3,80	23,90	1,08	1,26	4,28
-20	1.159	1.348	4.600	960	4,44	31,29	1,21	1,40	4,79
-15	1.461	1.699	5.796	1.098	5,12	39,66	1,33	1,55	5,28
-10	1.795	2.088	7.124	1.238	5,83	49,09	1,45	1,69	5,75

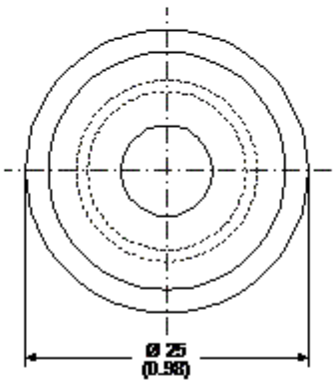
Dimensions

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