Compressor Technical Data

Model: NEK6217GK

Code: 959GA51

Description

Refrigerant:	R-404A	Displacement (cm³):	14,28
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	MBP	Motor Type:	CSCR
HP:	3/4	Starting Torque:	HST
Efficiency:	7,01	Type of Test:	ASHRAE46
Capacity:	7080,00		

Approval

IMQ

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Slanted 42°	Copper	8,10
Discharge Connector	Straight	Copper	6,10
Process Connector	Slanted 42°	Copper	6,10

Oil Cooler:	
Base Plate:	European Standard
Tray Holder:	No
Weight (kg):	11,60

Application

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

Mechanical Data

Bill of materials:	959GA51
Starting torque:	High Starting Torque
Bore (mm):	30,16
Stroke (mm):	10,00
Weight (kg):	11,60

Electrical Data

Motor type:	CSCR
Winding Resistance (25ºC) - Start:	3,56
Winding Resistance (25ºC) - Run:	11,29

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)
7,2	1.803	2.097	7.155	1.003	4,83	1,80	2,09	7,13

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)
-20	874	1.017	3.469	544	2,69	22,03	1,61	1,87	6,37
-15	1.067	1.241	4.235	588	2,91	27,04	1,82	2,11	7,21
-10	1.301	1.513	5.162	635	3,14	33,15	2,05	2,38	8,12
-5	1.575	1.831	6.249	687	3,39	40,42	2,29	2,66	9,09
0	1.889	2.197	7.497	744	3,65	48,92	2,54	2,95	10,08
5	2.244	2.610	8.905	805	3,92	58,73	2,79	3,24	11,07
10	2.640	3.070	10.474	870	4,20	69,92	3,03	3,53	12,04

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)
-20	753	875	2.987	572	2,84	20,91	1,32	1,53	5,22
-15	925	1.076	3.670	630	3,10	25,88	1,47	1,71	5,83
-10	1.131	1.315	4.488	690	3,37	31,85	1,64	1,91	6,51
-5	1.371	1.594	5.440	752	3,66	38,92	1,82	2,12	7,23
0	1.644	1.913	6.526	818	3,96	47,15	2,01	2,34	7,98
5	1.952	2.270	7.746	886	4,27	56,61	2,20	2,56	8,74
10	2.293	2.667	9.101	957	4,60	67,38	2,40	2,79	9,51

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)
-20	630	733	2.502	592	2,94	19,67	1,07	1,24	4,23
-15	782	910	3.104	666	3,27	24,58	1,17	1,37	4,66

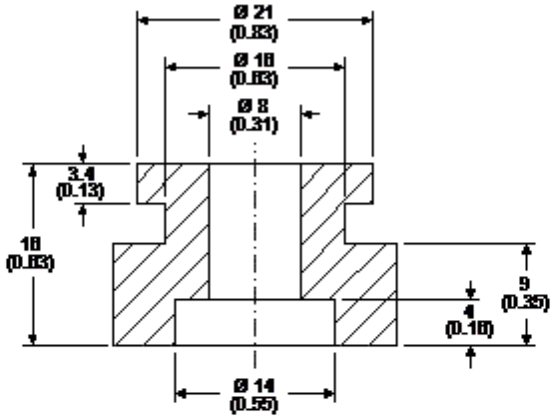
-10	961	1.118	3.814	742	3,61	30,43	1,30	1,51	5,14
-5	1.167	1.358	4.632	818	3,96	37,30	1,43	1,66	5,66
0	1.401	1.629	5.558	896	4,32	45,25	1,56	1,82	6,21
5	1.661	1.932	6.591	974	4,69	54,36	1,70	1,98	6,77
10	1.949	2.266	7.733	1.054	5,07	64,71	1,85	2,15	7,34

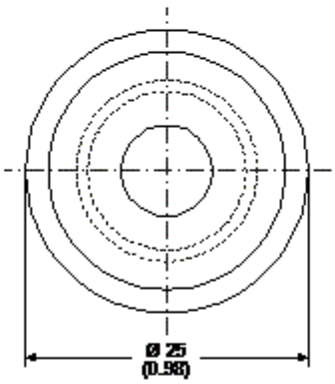
Dimensions

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