

Compressor Technical Data

Model: NEK6144GK

Code: 957GA50

Description

Refrigerant:	R-404A	Displacement (cm ³):	4,51
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	MBP	Motor Type:	CSIR
HP:	1/4	Starting Torque:	HST
Efficiency:	7,78	Type of Test:	ASHRAE46
Capacity:	2435,00		

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):	10,40

Application

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

Mechanical Data

Bill of materials:	957GA50
Starting torque:	High Starting Torque
Bore (mm):	20,87
Stroke (mm):	6,60
Weight (kg):	10,40

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	7,90
Winding Resistance (25°C) - Run:	27,40

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	621	722	2.464	310	1,76	2,00	2,33	7,94

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	306	356	1.216	178	1,28	7,72	1,72	2,00	6,84
-15	369	429	1.465	193	1,32	9,36	1,91	2,23	7,60
-10	449	522	1.781	206	1,37	11,44	2,17	2,53	8,63
-5	545	634	2.164	218	1,41	14,00	2,50	2,90	9,91
0	659	766	2.615	229	1,45	17,06	2,88	3,35	11,43
5	790	919	3.134	238	1,48	20,67	3,32	3,86	13,17
10	939	1.092	3.725	246	1,51	24,86	3,82	4,44	15,15

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	262	305	1.041	190	1,30	7,29	1,38	1,61	5,49
-15	316	367	1.252	209	1,37	8,83	1,51	1,76	5,99
-10	383	446	1.522	227	1,44	10,80	1,69	1,97	6,71
-5	466	542	1.850	243	1,50	13,23	1,92	2,23	7,62
0	564	656	2.238	258	1,55	16,17	2,19	2,55	8,69
5	677	787	2.687	271	1,60	19,64	2,50	2,90	9,91
10	806	937	3.198	283	1,65	23,68	2,84	3,31	11,29

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	214	249	848	201	1,32	6,67	1,06	1,24	4,22
-15	259	301	1.027	225	1,41	8,13	1,15	1,34	4,57
-10	316	368	1.256	247	1,50	10,02	1,28	1,49	5,08
-5	387	450	1.535	268	1,58	12,36	1,45	1,68	5,73
0	470	547	1.866	287	1,66	15,20	1,64	1,91	6,50

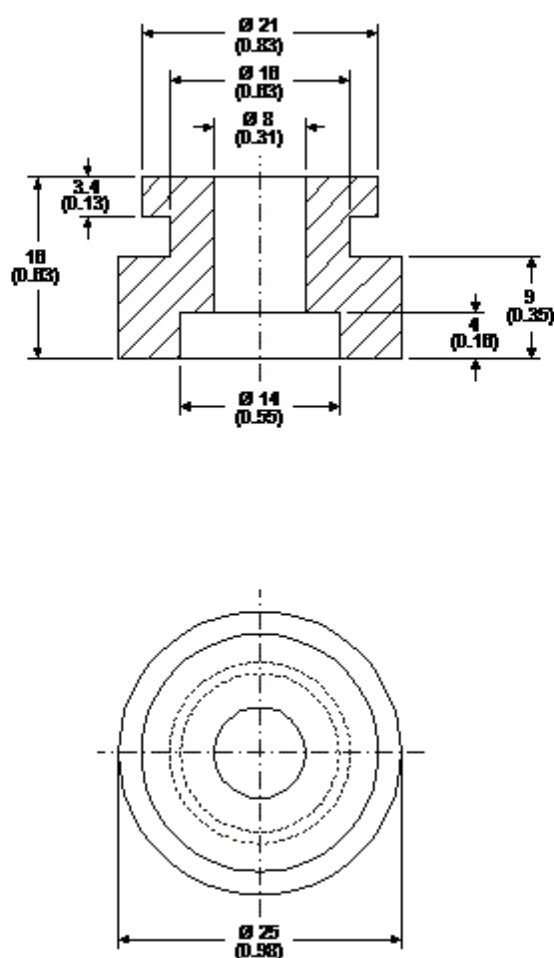
5	567	659	2.250	305	1,73	18,56	1,86	2,16	7,38
10	677	788	2.688	322	1,80	22,49	2,11	2,45	8,35

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