

Compressor Technical Data

Model: NEK6181GK

Code: 957MA51

Description

Refrigerant:	R-404A	Displacement (cm ³):	7,28
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	MBP	Motor Type:	CSIR
HP:	1/3+	Starting Torque:	HST
Efficiency:	7,22	Type of Test:	ASHRAE46
Capacity:	3716,00		

Approval

CCC

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:	957MA51
Starting torque:	High Starting Torque
Bore (mm):	26,50
Stroke (mm):	6,60
Weight (kg):	10,40

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	6,10
Winding Resistance (25°C) - Run:	28,20

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)
7,2	946	1.100	3.754	513	2,98	1,84	2,14	7,31

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)
-20	458	533	1.819	291	2,13	11,54	1,57	1,83	6,25
-15	558	649	2.216	305	2,18	14,15	1,83	2,13	7,26
-10	683	794	2.710	324	2,24	17,41	2,11	2,45	8,37
-5	832	968	3.302	346	2,33	21,36	2,40	2,80	9,54
0	1.006	1.170	3.991	371	2,43	26,05	2,71	3,15	10,74
5	1.204	1.400	4.777	400	2,55	31,50	3,01	3,50	11,96
10	1.427	1.659	5.661	430	2,68	37,78	3,32	3,86	13,17

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)
-20	392	456	1.555	301	2,15	10,90	1,30	1,52	5,17
-15	476	553	1.888	330	2,25	13,31	1,44	1,68	5,72
-10	581	676	2.307	360	2,36	16,37	1,61	1,88	6,40
-5	709	825	2.814	392	2,48	20,12	1,81	2,10	7,18
0	859	999	3.408	424	2,60	24,61	2,02	2,35	8,03
5	1.030	1.198	4.089	457	2,74	29,88	2,26	2,62	8,95
10	1.224	1.424	4.857	489	2,88	35,97	2,51	2,91	9,94

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)
-20	330	384	1.311	319	2,21	10,31	1,03	1,20	4,10
-15	398	463	1.581	359	2,35	12,52	1,11	1,29	4,40
-10	486	565	1.928	398	2,49	15,38	1,22	1,42	4,85
-5	593	689	2.353	435	2,63	18,94	1,36	1,59	5,41

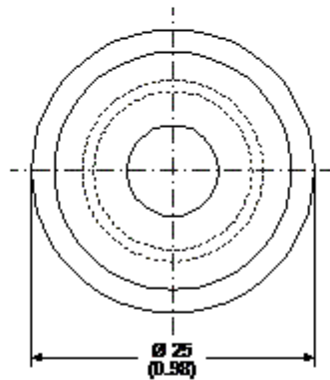
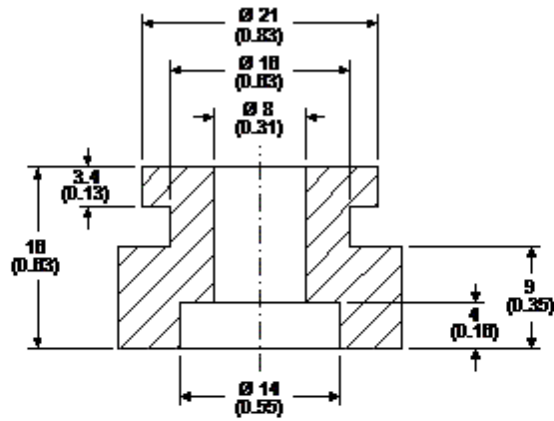
0	719	837	2.854	470	2,78	23,24	1,53	1,78	6,08
5	865	1.006	3.433	502	2,92	28,32	1,72	2,00	6,83
10	1.031	1.199	4.090	532	3,07	34,23	1,94	2,25	7,69

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.



Accessories