

## Compressor Technical Data

**Model:** NEK6213GK

**Code:** 959BA51

### Description

Refrigerant:	R-404A	Displacement (cm <sup>3</sup> ):	12,11
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	MBP	Motor Type:	CSIR
HP:	1/2+	Starting Torque:	HST
Efficiency:	6,31	Type of Test:	ASHRAE46
Capacity:	6010,00		

### 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):	11,60

#### Application

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

#### Mechanical Data

Bill of materials:	959BA51
Starting torque:	High Starting Torque
Bore (mm):	27,78
Stroke (mm):	10,00
Weight (kg):	11,60

#### Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	3,93
Winding Resistance (25°C) - Run:	20,88

**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	1.505	1.750	5.971	974	5,49	1,54	1,80	6,13

**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	815	948	3.236	528	3,71	20,54	1,55	1,80	6,13
-15	949	1.104	3.767	569	3,86	24,05	1,67	1,94	6,62
-10	1.122	1.305	4.452	614	4,02	28,59	1,83	2,12	7,25
-5	1.334	1.551	5.294	663	4,21	34,25	2,01	2,34	7,98
0	1.587	1.846	6.298	716	4,42	41,11	2,22	2,58	8,79
5	1.882	2.188	7.467	774	4,65	49,25	2,43	2,83	9,64
10	2.219	2.581	8.806	837	4,90	58,77	2,65	3,08	10,52

**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	645	751	2.561	550	3,78	17,93	1,17	1,36	4,65
-15	779	906	3.091	606	3,98	21,79	1,28	1,49	5,10
-10	943	1.096	3.741	664	4,20	26,55	1,42	1,65	5,63
-5	1.137	1.323	4.514	725	4,43	32,30	1,57	1,82	6,23
0	1.365	1.587	5.415	788	4,69	39,13	1,73	2,01	6,87
5	1.625	1.889	6.447	854	4,97	47,12	1,90	2,21	7,55
10	1.919	2.232	7.615	924	5,28	56,35	2,08	2,42	8,24

**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	514	598	2.040	569	3,87	16,07	0,90	1,05	3,59
-15	643	748	2.551	642	4,13	20,19	1,00	1,16	3,97

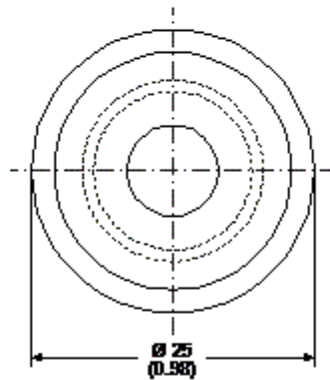
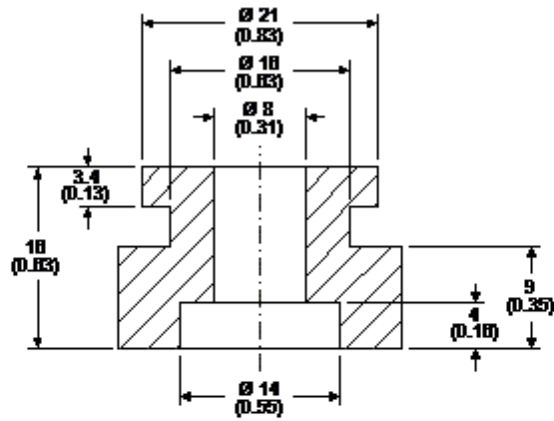
-10	793	923	3.148	717	4,41	25,09	1,11	1,29	4,39
-5	966	1.124	3.835	792	4,70	30,85	1,22	1,42	4,84
0	1.163	1.353	4.615	868	5,02	37,57	1,34	1,56	5,32
5	1.384	1.610	5.493	946	5,36	45,32	1,46	1,70	5,81
10	1.631	1.897	6.472	1.025	5,72	54,18	1,59	1,85	6,31

## 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**