

## Compressor Technical Data

**Model:** NEK2125GK

**Code:** 957EA51

### Description

Refrigerant:	R-404A	Displacement (cm <sup>3</sup> ):	6,2
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	LBP	Motor Type:	CSIR
HP:	1/3+	Starting Torque:	HST
Efficiency:	4,17	Type of Test:	ASHRAE32
Capacity:	1163,00		

### 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:	957EA51
Starting torque:	High Starting Torque
Bore (mm):	20,87
Stroke (mm):	9,06
Weight (kg):	10,40

#### Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	6,00
Winding Resistance (25°C) - Run:	27,70

**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)
-23,3	295	343	1.170	278	2,04	1,06	1,23	4,20

**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)
-40	157	183	624	180	1,81	4,19	0,87	1,02	3,47
-35	191	222	757	202	1,86	5,10	0,95	1,10	3,75
-30	238	277	945	223	1,91	6,39	1,07	1,24	4,23
-25	299	348	1.188	245	1,96	8,07	1,22	1,42	4,85
-20	374	436	1.486	266	2,01	10,15	1,41	1,64	5,59
-15	463	539	1.839	287	2,07	12,64	1,62	1,88	6,42
-10	566	659	2.247	307	2,13	15,55	1,85	2,15	7,32

**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)
-40	136	158	539	179	1,81	3,62	0,76	0,88	3,02
-35	174	202	689	205	1,86	4,64	0,85	0,98	3,36
-30	224	260	887	232	1,92	5,99	0,97	1,12	3,83
-25	286	332	1.134	258	1,98	7,69	1,11	1,29	4,39
-20	360	419	1.430	285	2,05	9,74	1,26	1,47	5,02
-15	447	520	1.774	312	2,13	12,16	1,43	1,67	5,69
-10	546	635	2.167	339	2,21	14,96	1,61	1,87	6,40

**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)
-40	119	138	471	177	1,83	3,16	0,67	0,78	2,67
-35	159	185	630	207	1,88	4,23	0,77	0,89	3,05
-30	209	243	830	237	1,94	5,60	0,88	1,03	3,50
-25	270	315	1.073	268	2,01	7,26	1,01	1,17	4,00
-20	342	398	1.359	300	2,09	9,24	1,14	1,33	4,53

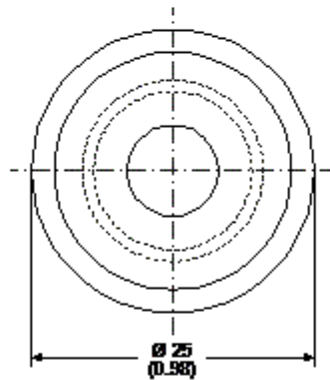
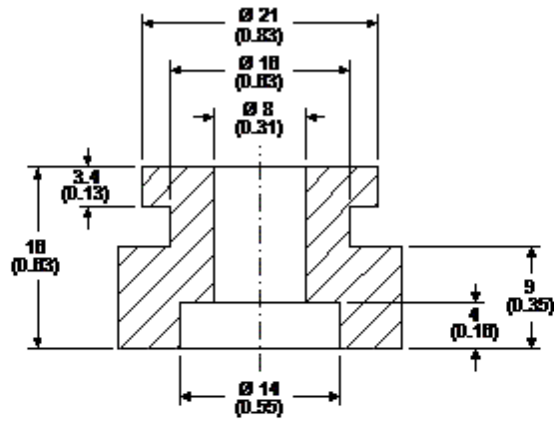
-15	425	494	1.687	332	2,19	11,54	1,28	1,49	5,07
-10	518	603	2.058	365	2,30	14,18	1,42	1,65	5,63

## 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**