

Compressor Technical Data

Model: NEK6165U

Code: 861EA51

Description

Refrigerant:	R-290	Displacement (cm ³):	6,2
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	HBP	Motor Type:	CSIR
HP:	1/3-	Starting Torque:	HST
Efficiency:	8,32	Type of Test:	ASHRAE46
Capacity:	2862,00		

Approval

VDE

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:	861EA51
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:	6,10
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	726	845	2.882	342	2,31	2,12	2,47	8,42

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)
-15	405	471	1.607	232	1,97	4,55	1,75	2,03	6,93
-10	493	573	1.955	243	2,00	5,56	2,03	2,36	8,05
-5	596	693	2.365	254	2,03	6,76	2,35	2,73	9,33
0	715	831	2.837	264	2,06	8,15	2,71	3,15	10,73
5	849	988	3.371	275	2,08	9,75	3,09	3,60	12,27
10	1.000	1.163	3.967	285	2,11	11,56	3,51	4,08	13,92

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)
-15	358	416	1.420	251	2,01	4,35	1,43	1,66	5,66
-10	436	507	1.729	267	2,06	5,32	1,63	1,90	6,48
-5	528	614	2.096	281	2,11	6,48	1,88	2,18	7,45
0	635	739	2.521	295	2,15	7,84	2,15	2,51	8,55
5	757	881	3.005	307	2,19	9,41	2,47	2,87	9,79
10	894	1.039	3.547	318	2,22	11,20	2,81	3,27	11,16

Condensing Temperature 55 °C

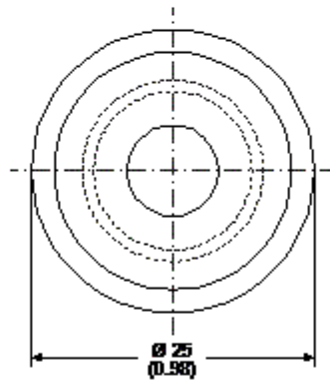
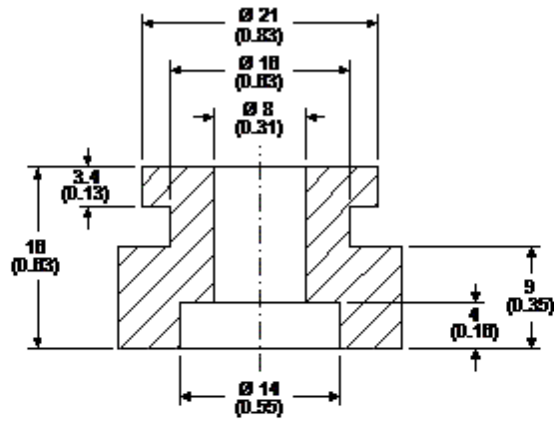
Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
	(°C)	(kcal/h)	(W)				(Btu/h)	(W)	(A)
-15	313	364	1.242	267	2,06	4,16	1,17	1,36	4,66
-10	381	444	1.513	288	2,12	5,09	1,32	1,54	5,25
-5	463	539	1.839	307	2,18	6,22	1,51	1,75	5,98
0	559	650	2.218	324	2,24	7,55	1,72	2,01	6,84
5	668	777	2.652	339	2,29	9,10	1,97	2,29	7,83
10	791	920	3.140	351	2,34	10,87	2,25	2,62	8,95

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