

Compressor Technical Data

Model: NEK6217U

Code: 863GA51

Description

Refrigerant:	R-290	Displacement (cm ³):	14,28
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	MBP	Motor Type:	CSIR
HP:	1/2+	Starting Torque:	HST
Efficiency:	7,54	Type of Test:	ASHRAE46
Capacity:	6210,00		

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):	11,60

Application

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

Mechanical Data

Bill of materials:	863GA51
Starting torque:	High Starting Torque
Bore (mm):	30,16
Stroke (mm):	10,00
Weight (kg):	11,60

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	3,10
Winding Resistance (25°C) - Run:	13,90

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	1.571	1.827	6.235	819	4,90	1,92	2,23	7,61

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	748	869	2.967	463	3,63	-	1,61	1,88	6,40
-15	905	1.052	3.590	501	3,75	-	1,81	2,10	7,16
-10	1.096	1.274	4.348	536	3,87	-	2,04	2,38	8,11
-5	1.321	1.536	5.241	569	3,98	-	2,32	2,70	9,22
0	1.580	1.837	6.269	598	4,09	-	2,64	3,07	10,48
5	1.873	2.178	7.432	625	4,19	-	3,00	3,48	11,89
10	2.200	2.558	8.730	649	4,29	-	3,39	3,94	13,44

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	639	743	2.535	497	3,73	-	1,28	1,49	5,10
-15	783	910	3.107	545	3,88	-	1,44	1,67	5,70
-10	957	1.113	3.797	590	4,04	-	1,62	1,89	6,43
-5	1.161	1.350	4.605	633	4,19	-	1,83	2,13	7,28
0	1.394	1.621	5.532	673	4,34	-	2,07	2,41	8,22
5	1.658	1.928	6.578	710	4,48	-	2,33	2,71	9,26
10	1.951	2.269	7.742	745	4,63	-	2,62	3,05	10,39

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	558	649	2.216	527	3,81	-	1,06	1,23	4,20
-15	685	797	2.719	587	4,01	-	1,17	1,36	4,63

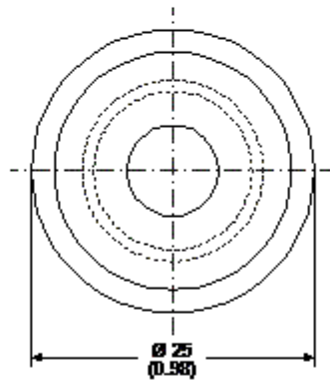
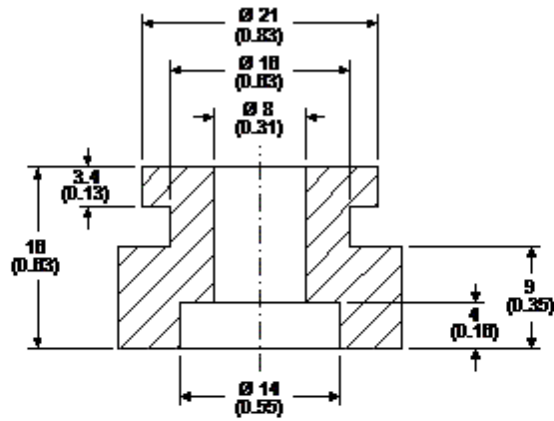
-10	837	974	3.323	645	4,22	-	1,30	1,51	5,15
-5	1.015	1.181	4.030	700	4,42	-	1,45	1,69	5,76
0	1.219	1.418	4.838	753	4,63	-	1,62	1,88	6,42
5	1.449	1.685	5.749	804	4,83	-	1,80	2,10	7,15
10	1.704	1.982	6.762	852	5,04	-	2,00	2,32	7,93

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