Compressor Technical Data

Model: NT6220U

Code: 842DA04

Description

Refrigerant:	R-290	Displacement (cm³):	17,39
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	180
Application:	MBP	Motor Type:	CSCR
HP:	3/4	Starting Torque:	HST
Efficiency:	9,53	Type of Test:	ASHRAE46
Capacity:	7678,00		

Approval

VDE

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Vertical	Copper	9,60
Discharge Connector	Vertical	Copper	6,42
Process Connector	Vertical	Copper	6,42

Oil Cooler:	
Base Plate:	Universal
Tray Holder:	No
Weight (kg):	17,00

Application

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

Mechanical Data

Bill of materials:	842DA04
Starting torque:	High Starting Torque
Bore (mm):	34,12
Stroke (mm):	9,52
Weight (kg):	17,00

Electrical Data

Motor type:	CSCR
Winding Resistance (25ºC) - Start:	2,30
Winding Resistance (25ºC) - Run:	9,00

Check Point - Condensing Temperature 54,4 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kcal/Wh)	(W/W)	(Btu/Wh)
7,2	1.940	2.256	7.698	805	4,28	2,41	2,80	9,56

Condensing Temperature 35 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-20	884	1.028	3.507	507	3,19	-	1,74	2,03	6,92
-15	1.076	1.251	4.270	539	3,29	-	2,00	2,32	7,92
-10	1.319	1.534	5.234	568	3,39	-	2,32	2,70	9,22
-5	1.613	1.876	6.403	593	3,48	-	2,72	3,16	10,79
0	1.961	2.280	7.781	616	3,56	-	3,18	3,70	12,63
5	2.361	2.746	9.371	635	3,63	-	3,72	4,33	14,76
10	2.817	3.276	11.178	651	3,70	-	4,33	5,04	17,18

Condensing Temperature 45 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-20	712	828	2.825	524	3,27	-	1,36	1,58	5,39
-15	900	1.047	3.572	570	3,42	-	1,58	1,84	6,26
-10	1.128	1.312	4.478	612	3,56	-	1,84	2,14	7,31
-5	1.398	1.625	5.546	649	3,69	-	2,15	2,50	8,54
0	1.708	1.987	6.780	681	3,80	-	2,51	2,92	9,95
5	2.062	2.398	8.184	708	3,90	-	2,91	3,39	11,55
10	2.460	2.861	9.762	731	4,00	-	3,37	3,92	13,36

Condensing Temperature 55 ºC

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-20	624	726	2.477	550	3,35	-	1,14	1,32	4,51
-15	795	925	3.157	612	3,57	-	1,30	1,51	5,16

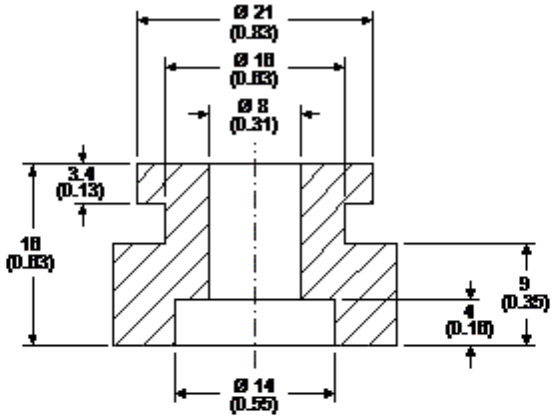
-10	996	1.158	3.952	668	3,76	-	1,49	1,73	5,92
-5	1.226	1.426	4.867	717	3,94	-	1,71	1,99	6,78
0	1.488	1.731	5.905	761	4,10	-	1,96	2,28	7,76
5	1.782	2.072	7.071	797	4,24	-	2,24	2,60	8,87
10	2.109	2.453	8.369	827	4,37	-	2,55	2,96	10,11

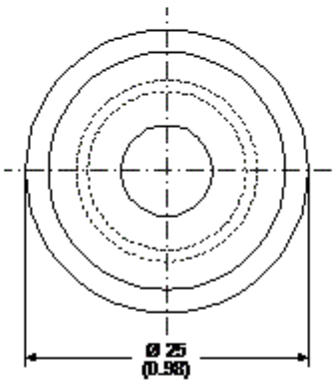
Dimensions

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 rummer 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