Compressor Technical Data

Model: NT6230U

Code: 843DA02

Description

Refrigerant:	R-290	Displacement (cm³):	27,8
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	450
Application:	MBP	Motor Type:	CSCR
HP:	1 1/4	Starting Torque:	HST
Efficiency:	8,96	Type of Test:	ASHRAE46
Capacity:	12358,00		

Approval

IMQ

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):	17,40

Application

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

Mechanical Data

Bill of materials:	843DA02
Starting torque:	High Starting Torque
Bore (mm):	38,10
Stroke (mm):	12,20
Weight (kg):	17,40

Electrical Data

Motor type:	CSCR
Winding Resistance (25ºC) - Start:	1,70
Winding Resistance (25ºC) - Run:	8,40

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	3.104	3.610	12.318	1.392	6,68	2,23	2,59	8,85

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	1.411	1.641	5.598	797	4,00	15,80	1,77	2,06	7,03
-15	1.715	1.994	6.804	838	4,22	19,27	2,05	2,38	8,12
-10	2.128	2.475	8.446	896	4,48	24,02	2,38	2,76	9,43
-5	2.652	3.084	10.524	970	4,78	30,08	2,73	3,18	10,85
0	3.285	3.821	13.037	1.061	5,13	37,47	3,10	3,60	12,29
5	4.028	4.685	15.986	1.169	5,52	46,25	3,45	4,01	13,68
10	4.881	5.677	19.370	1.293	5,97	56,44	3,77	4,39	14,98

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	1.242	1.444	4.928	844	4,24	15,01	1,47	1,71	5,84
-15	1.503	1.748	5.964	906	4,52	18,27	1,66	1,93	6,58
-10	1.842	2.142	7.310	976	4,83	22,51	1,89	2,19	7,49
-5	2.259	2.628	8.966	1.056	5,15	27,75	2,14	2,49	8,49
0	2.755	3.204	10.933	1.143	5,51	34,03	2,41	2,80	9,56
5	3.329	3.871	13.209	1.240	5,89	41,39	2,68	3,12	10,65
10	3.980	4.629	15.796	1.345	6,30	49,85	2,96	3,44	11,74

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	1.024	1.191	4.063	898	4,45	13,57	1,14	1,33	4,52

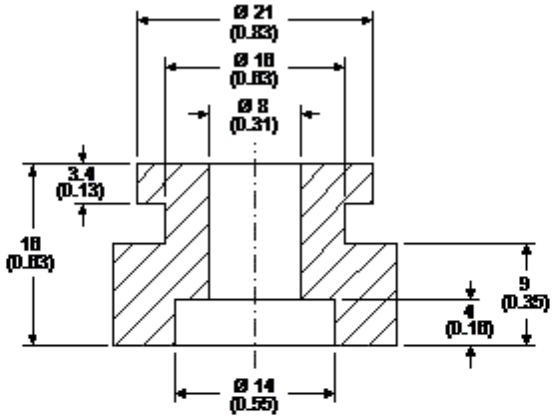
-15	1.299	1.510	5.153	989	4,86	17,25	1,31	1,53	5,21
-10	1.620	1.884	6.427	1.081	5,27	21,59	1,50	1,74	5,95
-5	1.987	2.311	7.887	1.172	5,69	26,63	1,70	1,97	6,73
0	2.402	2.793	9.530	1.265	6,11	32,41	1,90	2,21	7,53
5	2.862	3.329	11.359	1.359	6,54	38,96	2,11	2,45	8,36
10	3.370	3.919	13.372	1.453	6,98	46,32	2,32	2,70	9,21

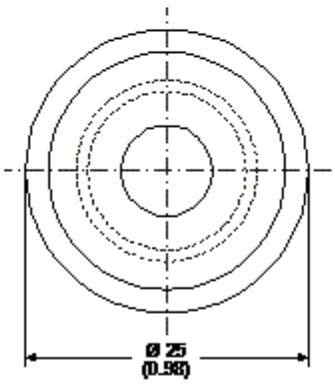
Dimensions

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