

Compressor Technical Data

Model: NT2170U

Code: 842BA04

Description

Refrigerant:	R-290	Displacement (cm ³):	20,44
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	450
Application:	LBP	Motor Type:	CSIR
HP:	1-	Starting Torque:	HST
Efficiency:	4,46	Type of Test:	ASHRAE32
Capacity:	2786,00		

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):	17,20

Application

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

Mechanical Data

Bill of materials:	842BA04
Starting torque:	High Starting Torque
Bore (mm):	36,99
Stroke (mm):	9,52
Weight (kg):	17,20

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	2,40
Winding Resistance (25°C) - Run:	10,40

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	704	819	2.795	624	3,98	1,13	1,31	4,48

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	366	425	1.451	370	3,18	4,29	0,99	1,15	3,92
-35	474	551	1.880	426	3,33	5,56	1,11	1,29	4,41
-30	610	709	2.421	483	3,49	7,18	1,26	1,47	5,01
-25	775	901	3.074	540	3,68	9,14	1,43	1,67	5,69
-20	968	1.125	3.840	598	3,88	11,46	1,62	1,88	6,42
-15	1.189	1.383	4.718	656	4,09	14,13	1,81	2,11	7,19
-10	1.439	1.673	5.709	715	4,32	17,18	2,01	2,34	7,99

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	319	371	1.265	372	3,18	3,73	0,86	1,00	3,40
-35	423	492	1.678	435	3,35	4,96	0,97	1,13	3,86
-30	553	644	2.196	501	3,55	6,51	1,11	1,29	4,39
-25	711	826	2.820	568	3,78	8,38	1,25	1,45	4,96
-20	894	1.040	3.548	638	4,04	10,59	1,40	1,63	5,57
-15	1.104	1.284	4.382	709	4,32	13,13	1,56	1,81	6,18
-10	1.341	1.560	5.322	783	4,62	16,01	1,71	1,99	6,80

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	276	321	1.095	375	3,17	3,23	0,74	0,86	2,92
-35	374	435	1.484	446	3,37	4,39	0,84	0,98	3,33
-30	497	578	1.971	520	3,61	5,85	0,95	1,11	3,79
-25	644	749	2.556	599	3,89	7,60	1,08	1,25	4,27

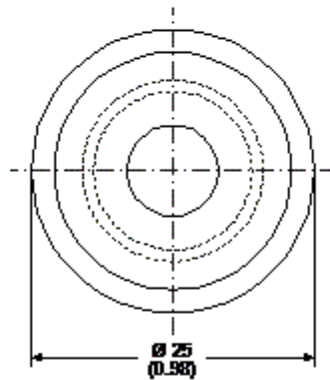
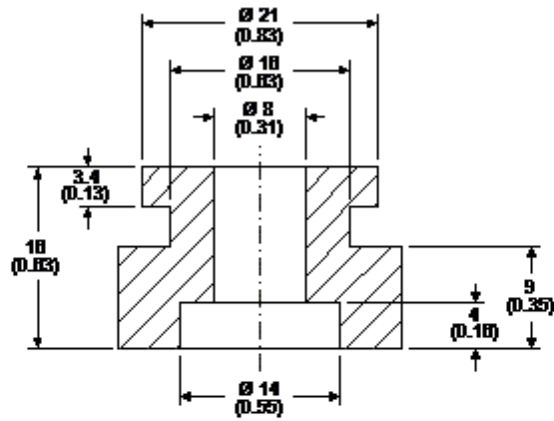
-20	816	949	3.240	681	4,20	9,66	1,20	1,39	4,76
-15	1.013	1.178	4.021	766	4,54	12,04	1,32	1,54	5,25
-10	1.235	1.436	4.901	855	4,92	14,74	1,44	1,68	5,73

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