

Compressor Technical Data

Model: NT6220Z

Code: 212CN06

Description

Refrigerant:	R-134a	Displacement (cm ³):	22,37
Voltage:	200-240 V 50 Hz / 230 V 60 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	450
Application:	HBP	Motor Type:	CSIR
HP:	1	Starting Torque:	HST
Efficiency:	7,98	Type of Test:	ASHRAE46
Capacity:	6880,00		

Approval

CCC

IMQ

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Slanted 42°	Copper	9,60
Discharge Connector	Straight	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:	212CN06
Starting torque:	High Starting Torque
Bore (mm):	36,99
Stroke (mm):	10,42
Weight (kg):	17,20

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	1,86
Winding Resistance (25°C) - Run:	12,16

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	1.747	2.032	6.932	857	5,21	2,04	2,37	8,09

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	872	1.014	3.460	455	3,55	18,71	1,92	2,23	7,61
-10	1.095	1.273	4.344	506	3,73	23,58	2,17	2,52	8,59
-5	1.369	1.593	5.434	559	3,93	29,60	2,45	2,85	9,72
0	1.697	1.973	6.733	615	4,16	36,84	2,76	3,21	10,95
5	2.077	2.415	8.241	674	4,41	45,33	3,08	3,58	12,23
10	2.510	2.919	9.960	736	4,70	55,14	3,41	3,97	13,54

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	771	897	3.061	491	3,67	17,89	1,57	1,83	6,24
-10	956	1.112	3.794	549	3,89	22,25	1,74	2,03	6,91
-5	1.192	1.386	4.730	611	4,14	27,84	1,95	2,27	7,74
0	1.480	1.721	5.872	677	4,41	34,73	2,19	2,54	8,67
5	1.820	2.116	7.220	747	4,72	42,97	2,43	2,83	9,66
10	2.212	2.572	8.777	822	5,07	52,61	2,69	3,13	10,68

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	702	816	2.786	523	3,79	17,74	1,34	1,56	5,33
-10	847	985	3.360	590	4,05	21,49	1,44	1,67	5,69
-5	1.042	1.212	4.134	663	4,35	26,56	1,57	1,83	6,24

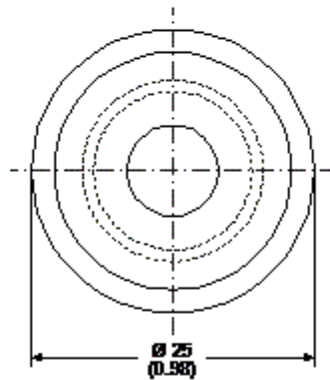
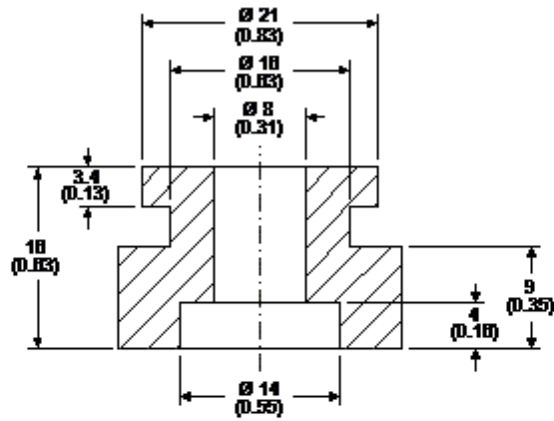
0	1.288	1.49 8	5.110	740	4,69	33,01	1,74	2,02	6,90
5	1.585	1.84 3	6.290	824	5,06	40,89	1,92	2,24	7,64
10	1.934	2.24 9	7.675	913	5,47	50,26	2,12	2,46	8,41

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