Compressor Technical Data

Model: NT2192GK

Code: 923EA04

Description

Refrigerant:	R-404A	Displacement (cm³):	22,37
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	450
Application:	LBP	Motor Type:	CSCR
HP:	1+	Starting Torque:	HST
Efficiency:	5,01	Type of Test:	ASHRAE32
Capacity:	3716,00		

Approval

CCC

IMQ

IRAM

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):	17,50

Application

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

Mechanical Data

Bill of materials:	923EA04
Starting torque:	High Starting Torque
Bore (mm):	36,99
Stroke (mm):	10,42
Weight (kg):	17,50

Electrical Data

Motor type:	CSCR
Winding Resistance (25ºC) - Start:	1,90
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)
-23,3	937	1.090	3.718	741	3,45	1,26	1,47	5,02

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)
-40	436	507	1.729	424	2,21	11,62	1,03	1,19	4,07
-35	575	669	2.282	494	2,45	15,39	1,16	1,35	4,62
-30	757	880	3.004	565	2,72	20,32	1,34	1,56	5,32
-25	981	1.141	3.893	636	3,03	26,45	1,54	1,79	6,12
-20	1.248	1.452	4.953	708	3,38	33,83	1,76	2,05	7,00
-15	1.558	1.812	6.183	780	3,76	42,49	2,00	2,32	7,92
-10	1.911	2.223	7.585	853	4,18	52,47	2,24	2,61	8,89

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)
-40	380	442	1.507	424	2,20	10,11	0,90	1,04	3,55
-35	522	607	2.070	508	2,50	13,93	1,03	1,19	4,07
-30	700	815	2.779	593	2,83	18,77	1,18	1,37	4,69
-25	917	1.066	3.637	677	3,18	24,66	1,35	1,57	5,37
-20	1.171	1.361	4.645	763	3,56	31,66	1,54	1,79	6,09
-15	1.462	1.701	5.804	848	3,97	39,79	1,72	2,01	6,84
-10	1.793	2.085	7.113	933	4,40	49,11	1,92	2,23	7,62

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)
-40	324	377	1.285	411	2,19	8,60	0,79	0,92	3,13
-35	469	545	1.860	510	2,55	12,49	0,92	1,07	3,64
-30	645	751	2.561	610	2,93	17,26	1,06	1,23	4,20

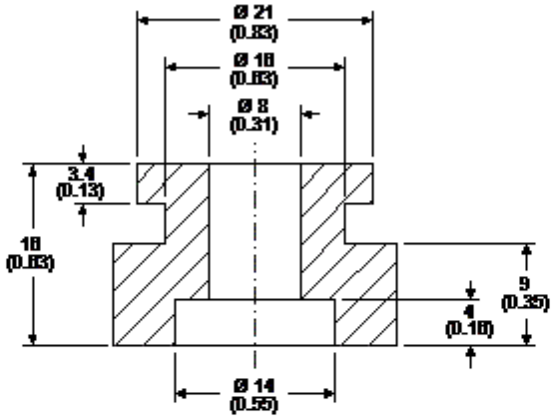
-25	855	994	3.391	709	3,32	22,95	1,20	1,40	4,78
-20	1.096	1.275	4.351	809	3,74	29,59	1,36	1,58	5,38
-15	1.371	1.595	5.441	908	4,17	37,23	1,51	1,76	5,99
-10	1.679	1.953	6.663	1.007	4,61	45,91	1,67	1,94	6,61

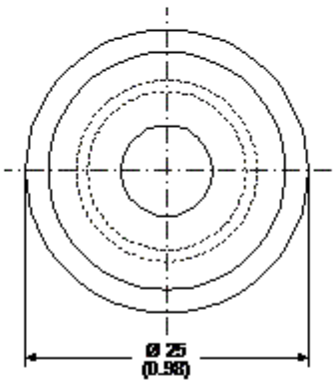
Dimensions

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