Compressor Technical Data

Model: NEK2116Z

Code: 267FA42

Description

Refrigerant:	R-134a	Displacement (cm³):	7,37
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	340
Application:	LBP	Motor Type:	CSIR
HP:	1/10	Starting Torque:	HST
Efficiency:	3,03	Type of Test:	EN12900
Capacity:	318,00		

Approval

VDE

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Slanted 42°	Copper	6,10
Discharge Connector	Straight	Copper	4,94
Process Connector	Slanted 42°	Copper	6,10

Oil Cooler:	
Base Plate:	European Standard
Tray Holder:	No
Weight (kg):	10,40

Application

Maximum ambient temperature (ºC):	32
Expansion device:	Capillary/ Valve
Cooling:	Static
Air flow rate:	

Mechanical Data

Bill of materials:	267FA42
Starting torque:	High Starting Torque
Bore (mm):	24,28
Stroke (mm):	7,96
Weight (kg):	10,40

Electrical Data

Motor type:	CSIR
Winding Resistance (25ºC) - Start:	0,00
Winding Resistance (25ºC) - Run:	0,00

Check Point - Condensing Temperature 40 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)
-35	84	97	332	102	1,00	0,82	0,95	3,25

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)
-35	91	106	362	102	1,00	2,30	0,90	1,04	3,55
-30	124	145	493	118	1,04	3,03	1,06	1,23	4,19
-25	167	194	663	135	1,08	4,07	1,24	1,44	4,91
-20	219	255	870	153	1,14	5,37	1,43	1,66	5,67
-15	281	326	1.113	173	1,20	6,93	1,62	1,88	6,42
-10	351	408	1.393	194	1,27	8,70	1,80	2,10	7,16

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)
-35	75	87	298	102	1,00	1,83	0,74	0,86	2,92
-30	105	122	416	119	1,05	2,62	0,88	1,02	3,48
-25	143	166	567	139	1,10	3,68	1,03	1,20	4,08
-20	189	220	751	160	1,16	5,01	1,18	1,37	4,68
-15	244	283	967	184	1,23	6,56	1,33	1,54	5,26
-10	306	356	1.214	209	1,32	8,32	1,46	1,70	5,81

Condensing Temperature 55 ºC

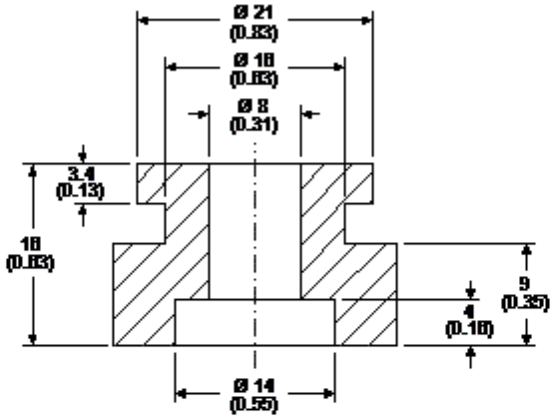
Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(ºC)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-35	55	64	217	99	1,00	1,41	0,55	0,64	2,19
-30	82	95	326	119	1,04	2,24	0,69	0,80	2,74
-25	117	136	463	141	1,10	3,34	0,83	0,96	3,28
-20	159	184	629	166	1,17	4,67	0,96	1,11	3,79
-15	207	241	822	193	1,26	6,21	1,07	1,25	4,25
-10	263	305	1.042	223	1,37	7,94	1,18	1,37	4,67

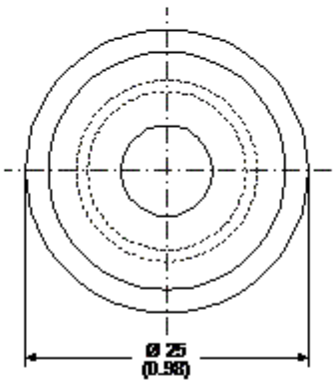
Dimensions

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