

Compressor Technical Data

Model: NEK2134GK

Code: 958AA51

Description

Refrigerant:	R-404A	Displacement (cm ³):	8,77
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	LBP	Motor Type:	CSIR
HP:	1/2	Starting Torque:	HST
Efficiency:	4,42	Type of Test:	ASHRAE32
Capacity:	1584,00		

Approval

CCC

IMQ

Data

External Features

	Shape	Material	Diameter (mm)
Suction Connector	Slanted 42°	Copper	8,10
Discharge Connector	Straight	Copper	6,10
Process Connector	Slanted 42°	Copper	6,10

Oil Cooler:	
Base Plate:	European Standard
Tray Holder:	No
Weight (kg):	11,00

Application

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

Mechanical Data

Bill of materials:	958AA51
Starting torque:	High Starting Torque
Bore (mm):	26,50
Stroke (mm):	7,96
Weight (kg):	11,00

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	5,18
Winding Resistance (25°C) - Run:	31,70

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)	(kcal/Wh)	(W/W)	(Btu/Wh)
-23,3	401	467	1.592	357	2,35	1,12	1,31	4,46

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)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-40	194	225	768	224	2,01	5,16	0,86	1,00	3,43
-35	252	293	999	255	2,05	6,73	0,99	1,15	3,92
-30	327	380	1.296	285	2,12	8,77	1,14	1,33	4,54
-25	418	487	1.661	316	2,20	11,28	1,33	1,54	5,26
-20	527	613	2.092	346	2,30	14,29	1,52	1,77	6,05
-15	653	759	2.592	376	2,41	17,81	1,74	2,02	6,89
-10	796	925	3.158	406	2,53	21,84	1,96	2,28	7,78

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)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-40	175	203	694	222	1,98	4,66	0,79	0,92	3,13
-35	231	269	918	257	2,05	6,18	0,90	1,05	3,57
-30	304	353	1.206	293	2,14	8,14	1,04	1,21	4,12
-25	393	457	1.558	329	2,25	10,57	1,19	1,39	4,73
-20	498	579	1.975	367	2,38	13,46	1,36	1,58	5,38
-15	619	720	2.455	405	2,52	16,84	1,53	1,78	6,06
-10	756	879	3.000	444	2,67	20,71	1,70	1,98	6,76

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)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-40	156	182	620	220	1,95	4,15	0,71	0,83	2,82
-35	211	245	837	259	2,05	5,63	0,81	0,95	3,23
-30	281	327	1.116	300	2,17	7,52	0,94	1,09	3,72
-25	367	427	1.456	343	2,31	9,85	1,07	1,24	4,24
-20	468	544	1.857	388	2,46	12,63	1,21	1,40	4,79

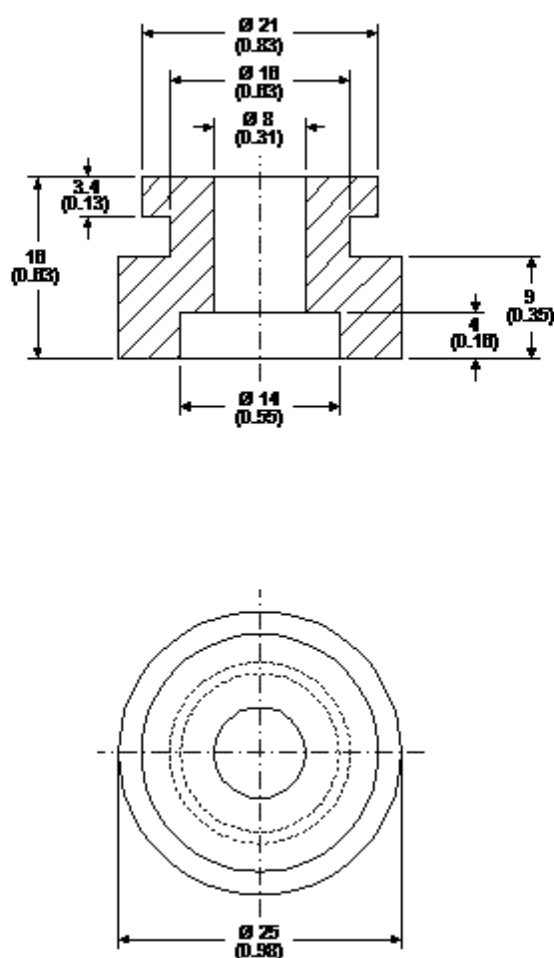
-15	584	680	2.319	434	2,63	15,87	1,35	1,57	5,34
-10	716	833	2.842	482	2,81	19,58	1,49	1,73	5,90

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