

Compressor Technical Data

Model: NEK2150GK

Code: 959AA51

Description

Refrigerant:	R-404A	Displacement (cm ³):	12,11
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:	4,23	Type of Test:	ASHRAE32
Capacity:	2102,00		

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):	11,55

Application

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

Mechanical Data

Bill of materials:	959AA51
Starting torque:	High Starting Torque
Bore (mm):	27,78
Stroke (mm):	10,00
Weight (kg):	11,55

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	4,20
Winding Resistance (25°C) - Run:	30,40

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	527	613	2.092	507	3,29	1,04	1,21	4,13

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	269	313	1.066	303	2,73	7,17	0,89	1,03	3,51
-35	341	397	1.354	347	2,85	9,13	0,98	1,14	3,90
-30	437	508	1.733	392	2,97	11,72	1,11	1,30	4,42
-25	555	646	2.203	438	3,10	14,97	1,27	1,48	5,03
-20	697	810	2.765	484	3,25	18,88	1,44	1,67	5,71
-15	861	1.002	3.418	532	3,40	23,48	1,62	1,88	6,42
-10	1.049	1.220	4.163	582	3,57	28,80	1,80	2,10	7,15

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	244	284	968	311	2,77	6,49	0,78	0,91	3,11
-35	314	365	1.245	359	2,88	8,38	0,87	1,02	3,47
-30	406	472	1.611	410	3,01	10,88	0,99	1,15	3,93
-25	520	605	2.065	464	3,17	14,00	1,12	1,30	4,45
-20	657	764	2.607	521	3,34	17,77	1,26	1,47	5,01
-15	816	949	3.239	580	3,55	22,21	1,41	1,64	5,58
-10	998	1.160	3.959	643	3,78	27,33	1,55	1,81	6,16

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	223	260	886	314	2,82	5,93	0,71	0,83	2,83
-35	288	335	1.144	367	2,92	7,69	0,79	0,91	3,12
-30	375	436	1.488	424	3,06	10,03	0,88	1,03	3,51
-25	483	562	1.917	486	3,23	12,97	0,99	1,16	3,94

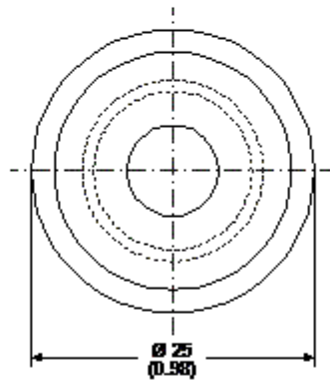
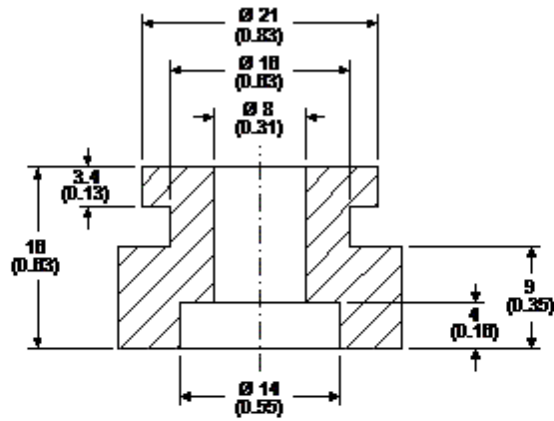
-20	613	713	2.433	553	3,44	16,54	1,11	1,29	4,40
-15	765	889	3.034	624	3,69	20,76	1,22	1,42	4,86
-10	938	1.091	3.721	700	3,98	25,64	1,34	1,56	5,31

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