

Compressor Technical Data

Model: NEK2168GK

Code: 959HA51

Description

Refrigerant:	R-404A	Displacement (cm ³):	14,28
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	LBP	Motor Type:	CSIR
HP:	3/4	Starting Torque:	HST
Efficiency:	3,85	Type of Test:	ASHRAE32
Capacity:	2348,00		

Approval

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):	11,60

Application

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

Mechanical Data

Bill of materials:	959HA51
Starting torque:	High Starting Torque
Bore (mm):	30,16
Stroke (mm):	10,00
Weight (kg):	11,60

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	3,10
Winding Resistance (25°C) - Run:	13,90

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	592	689	2.349	610	4,03	0,97	1,13	3,85

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	282	328	1.120	367	3,46	7,53	0,77	0,90	3,06
-35	374	434	1.483	418	3,55	10,00	0,89	1,04	3,55
-30	489	569	1.941	472	3,67	13,13	1,04	1,21	4,12
-25	629	732	2.496	528	3,81	16,96	1,19	1,39	4,73
-20	793	922	3.147	587	3,99	21,49	1,35	1,57	5,36
-15	981	1.141	3.895	649	4,19	26,76	1,51	1,76	6,00
-10	1.194	1.389	4.739	713	4,42	32,78	1,67	1,95	6,64

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	258	300	1.025	373	3,45	6,88	0,69	0,81	2,75
-35	344	400	1.366	430	3,55	9,19	0,80	0,93	3,18
-30	453	527	1.799	491	3,69	12,15	0,92	1,07	3,66
-25	586	681	2.325	558	3,87	15,76	1,05	1,22	4,17
-20	742	863	2.943	628	4,09	20,06	1,18	1,37	4,69
-15	921	1.071	3.655	703	4,35	25,06	1,31	1,52	5,20
-10	1.124	1.307	4.459	783	4,65	30,79	1,44	1,67	5,70

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	226	263	897	370	3,46	6,01	0,61	0,71	2,42
-35	309	359	1.224	435	3,57	8,22	0,71	0,82	2,81
-30	413	481	1.640	506	3,73	11,06	0,82	0,95	3,24
-25	541	629	2.146	584	3,95	14,52	0,93	1,08	3,67

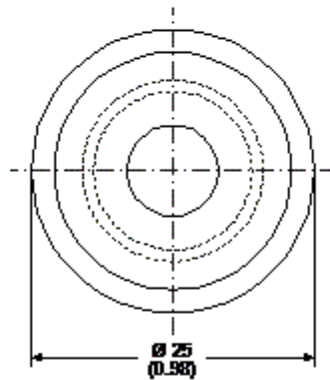
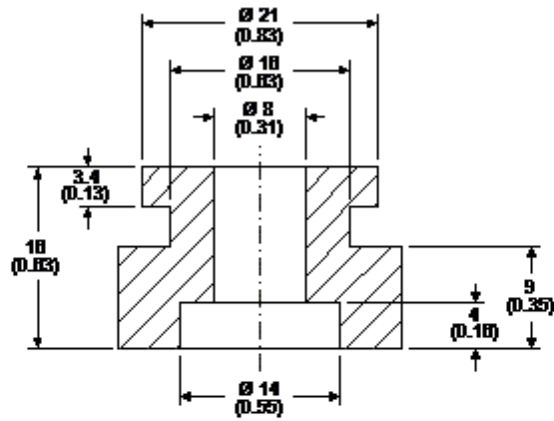
-20	691	803	2.740	668	4,21	18,64	1,03	1,20	4,10
-15	863	1.004	3.424	759	4,53	23,43	1,14	1,32	4,51
-10	1.058	1.230	4.197	856	4,90	28,92	1,24	1,44	4,91

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