

Compressor Technical Data

Model: NEK6165GK

Code: 957IA51

Description

Refrigerant:	R-404A	Displacement (cm ³):	6,2
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	350
Application:	MBP	Motor Type:	CSIR
HP:	1/3	Starting Torque:	HST
Efficiency:	7,00	Type of Test:	ASHRAE46
Capacity:	3295,00		

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):	10,40

Application

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

Mechanical Data

Bill of materials:	957IA51
Starting torque:	High Starting Torque
Bore (mm):	20,87
Stroke (mm):	9,06
Weight (kg):	10,40

Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	6,80
Winding Resistance (25°C) - Run:	28,90

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)	(kcal/Wh)	(W/W)	(Btu/Wh)
7,2	839	975	3.328	467	2,53	1,80	2,09	7,12

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)
-20	445	517	1.765	245	1,70	11,20	1,81	2,11	7,19
-15	515	599	2.044	272	1,79	13,05	1,89	2,20	7,51
-10	611	710	2.424	296	1,87	15,57	2,06	2,40	8,18
-5	732	852	2.906	318	1,95	18,79	2,30	2,68	9,13
0	879	1.022	3.488	338	2,02	22,76	2,60	3,03	10,33
5	1.051	1.223	4.172	355	2,09	27,51	2,96	3,45	11,76
10	1.249	1.453	4.957	369	2,15	33,08	3,38	3,93	13,42

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)
-20	375	437	1.490	271	1,77	10,43	1,39	1,61	5,50
-15	440	511	1.745	302	1,88	12,30	1,46	1,69	5,78
-10	525	611	2.084	331	1,99	14,79	1,58	1,84	6,29
-5	632	735	2.506	359	2,09	17,93	1,76	2,05	6,98
0	759	883	3.012	384	2,18	21,76	1,97	2,30	7,84
5	908	1.056	3.602	408	2,28	26,32	2,23	2,59	8,83
10	1.077	1.253	4.275	429	2,38	31,65	2,51	2,92	9,96

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)
-20	315	366	1.248	288	1,84	9,82	1,09	1,27	4,33
-15	372	433	1.477	325	1,97	11,70	1,15	1,33	4,54
-10	447	520	1.773	360	2,09	14,14	1,24	1,44	4,92
-5	538	625	2.134	394	2,22	17,18	1,36	1,59	5,41

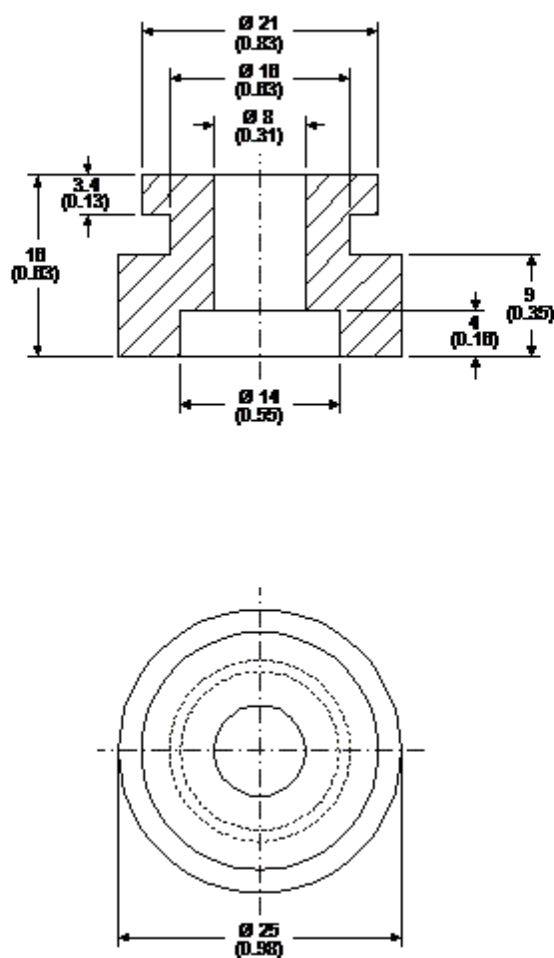
0	646	751	2.562	426	2,35	20,85	1,51	1,76	6,01
5	770	895	3.055	457	2,48	25,20	1,68	1,96	6,68
10	911	1.059	3.615	486	2,62	30,25	1,87	2,18	7,43

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