

Compressor Technical Data

Model: NEK6210GK

Code: 958CA51

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:	MBP	Motor Type:	CSIR
HP:	1/2	Starting Torque:	HST
Efficiency:	7,08	Type of Test:	ASHRAE46
Capacity:	4449,00		

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:	958CA51
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)
7,2	1.133	1.318	4.498	623	3,46	1,82	2,12	7,22

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	545	634	2.162	328	2,26	13,72	1,66	1,93	6,59
-15	662	770	2.627	360	2,38	16,78	1,84	2,14	7,29
-10	810	942	3.213	390	2,50	20,64	2,07	2,41	8,23
-5	988	1.149	3.920	419	2,61	25,36	2,36	2,74	9,36
0	1.197	1.392	4.748	445	2,72	30,99	2,69	3,13	10,66
5	1.436	1.670	5.698	470	2,82	37,58	3,05	3,55	12,11
10	1.706	1.984	6.769	494	2,92	45,18	3,45	4,01	13,69

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	484	563	1.920	350	2,31	13,45	1,38	1,61	5,48
-15	580	674	2.300	392	2,48	16,22	1,48	1,72	5,87
-10	702	817	2.787	432	2,64	19,78	1,63	1,89	6,46
-5	852	991	3.382	469	2,80	24,19	1,82	2,11	7,21
0	1.029	1.197	4.085	504	2,95	29,50	2,04	2,37	8,10
5	1.233	1.434	4.894	538	3,09	35,77	2,29	2,67	9,10
10	1.465	1.703	5.812	569	3,23	43,04	2,57	2,99	10,21

Condensing Temperature 55 °C

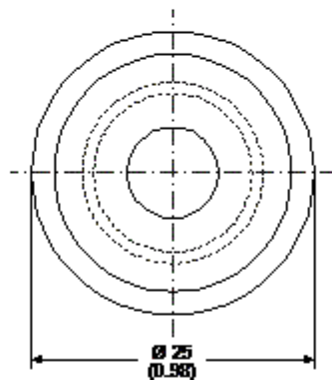
Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Gas Flow Rate +/- 5%	Efficiency +/-7%		
(°C)	(kcal/h)	(W)	(Btu/h)	(W)	(A)	(kg/h)	(kcal/Wh)	(W/W)	(Btu/Wh)
-20	384	447	1.525	365	2,36	11,99	1,05	1,22	4,18
-15	467	544	1.855	419	2,58	14,69	1,12	1,30	4,43
-10	574	668	2.278	470	2,79	18,18	1,22	1,42	4,84

-5	704	819	2.795	519	3,00	22,51	1,36	1,58	5,39
0	858	998	3.405	565	3,20	27,73	1,52	1,77	6,03
5	1.036	1.204	4.109	609	3,40	33,90	1,70	1,98	6,75
10	1.237	1.438	4.907	650	3,59	41,06	1,90	2,21	7,55

Engineering Code	13146411
Dimensions	mm (Inch)

Technical drawing of a mechanical part with dimensions in inches and millimeters. The part is symmetrical about a vertical centerline. Dimensions are as follows:

- Overall width: $\varnothing 21$ (0.83)
- Inner width (top): $\varnothing 18$ (0.73)
- Inner width (bottom): $\varnothing 8$ (0.31)
- Overall height: 18 (0.73)
- Top flange thickness: 3.4 (0.13)
- Bottom flange thickness: 4 (0.16)
- Bottom flange width: $\varnothing 14$ (0.55)
- Right side flange thickness: 9 (0.35)



Accessories