

## Compressor Technical Data

**Model:** NEU2140GK

**Code:** 958JA51

### Description

Refrigerant:	R-404A	Displacement (cm <sup>3</sup> ):	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:	4,65	Type of Test:	ASHRAE32
Capacity:	1660,00		

### Approval

**VDE**

### 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):	10,60

#### Application

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

#### Mechanical Data

Bill of materials:	958JA51
Starting torque:	High Starting Torque
Bore (mm):	26,50
Stroke (mm):	7,96
Weight (kg):	10,60

#### Electrical Data

Motor type:	CSIR
Winding Resistance (25°C) - Start:	7,79
Winding Resistance (25°C) - Run:	24,26

**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)
-23,3	420	489	1.668	357	2,02	1,18	1,37	4,67

**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)
-40	201	234	799	205	1,52	5,37	0,98	1,14	3,90
-35	264	308	1.049	238	1,61	7,08	1,11	1,29	4,41
-30	345	401	1.368	272	1,72	9,26	1,27	1,48	5,03
-25	442	514	1.755	305	1,83	11,92	1,45	1,68	5,75
-20	557	648	2.210	339	1,95	15,09	1,64	1,91	6,53
-15	689	801	2.733	371	2,07	18,78	1,85	2,16	7,36
-10	837	974	3.323	403	2,20	22,99	2,08	2,42	8,24

**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)
-40	183	213	728	209	1,52	4,88	0,88	1,02	3,48
-35	245	285	971	246	1,63	6,54	1,00	1,16	3,95
-30	323	375	1.281	284	1,76	8,65	1,14	1,32	4,51
-25	417	485	1.655	325	1,90	11,22	1,29	1,49	5,10
-20	528	614	2.095	367	2,06	14,28	1,44	1,67	5,71
-15	655	762	2.600	410	2,23	17,83	1,60	1,86	6,34
-10	799	929	3.169	455	2,41	21,88	1,76	2,04	6,97

**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)
-40	160	187	637	209	1,52	4,26	0,77	0,89	3,04
-35	219	255	869	249	1,64	5,84	0,88	1,02	3,49
-30	294	341	1.165	293	1,79	7,85	1,00	1,16	3,97
-25	384	446	1.523	341	1,96	10,30	1,12	1,31	4,46
-20	490	569	1.943	393	2,16	13,21	1,25	1,45	4,95

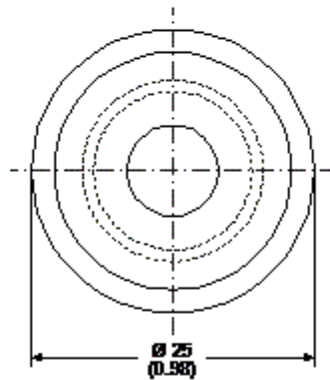
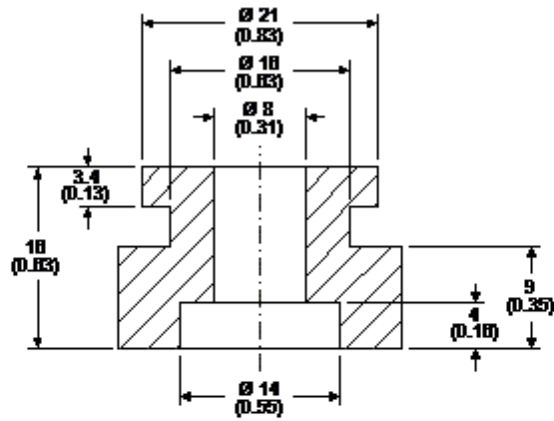
-15	611	711	2.425	448	2,38	16,59	1,36	1,59	5,42
-10	748	870	2.970	506	2,63	20,46	1,48	1,72	5,87

## 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**