

## Compressor Technical Data

**Model:** NT2180GK

**Code:** 922HA04

### Description

Refrigerant:	R-404A	Displacement (cm <sup>3</sup> ):	20,44
Voltage:	220-240 V 50 Hz 1 ~	Lubricant Type:	ISO22
Frequency (Hz):	50	Lubricant Charge (ml):	450
Application:	LBP	Motor Type:	CSCR
HP:	1	Starting Torque:	HST
Efficiency:	3,64	Type of Test:	EN12900
Capacity:	1828,00		

### Approval

**IMQ**

**IRAM**

**VDE**

### Data

#### External Features

	Shape	Material	Diameter (mm)
Suction Connector	Vertical	Copper	9,60
Discharge Connector	Vertical	Copper	6,42
Process Connector	Vertical	Copper	6,42

Oil Cooler:	
Base Plate:	Universal
Tray Holder:	No
Weight (kg):	18,00

#### Application

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

#### Mechanical Data

Bill of materials:	922HA04
Starting torque:	High Starting Torque
Bore (mm):	36,99
Stroke (mm):	9,52
Weight (kg):	18,00

#### Electrical Data

Motor type:	CSCR
Winding Resistance (25°C) - Start:	2,35
Winding Resistance (25°C) - Run:	9,24

**Check Point - Condensing Temperature 40 °C**

Evaporating Temperature	Cooling Capacity			Power Consumption +/- 5%	Current Consumption +/-5%	Efficiency +/-7%		
	(°C)	(kcal/h)	(W)			(Btu/h)	(W)	(A)
-35	446	519	1.771	495	2,69	0,90	1,05	3,58

**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	376	438	1.494	430	2,45	11,13	0,88	1,02	3,48
-35	497	578	1.973	488	2,67	14,76	1,02	1,18	4,04
-30	654	761	2.595	550	2,91	19,49	1,19	1,38	4,72
-25	847	985	3.360	615	3,18	25,36	1,38	1,60	5,46
-20	1.075	1.251	4.267	682	3,48	32,42	1,58	1,84	6,26
-15	1.340	1.558	5.317	750	3,79	40,72	1,79	2,08	7,09
-10	1.641	1.908	6.510	819	4,11	50,30	2,00	2,33	7,95

**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	284	331	1.128	422	2,42	9,50	0,67	0,78	2,67
-35	395	459	1.566	500	2,70	13,28	0,79	0,92	3,13
-30	533	620	2.114	578	3,01	18,03	0,92	1,07	3,66
-25	699	813	2.775	657	3,34	23,80	1,06	1,24	4,22
-20	894	1.039	3.546	736	3,68	30,64	1,21	1,41	4,82
-15	1.116	1.298	4.429	814	4,03	38,60	1,37	1,60	5,44
-10	1.367	1.589	5.423	890	4,39	47,71	1,54	1,79	6,09

**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	191	222	757	402	2,36	7,50	0,47	0,55	1,88
-35	288	335	1.142	502	2,73	11,36	0,57	0,67	2,28
-30	405	471	1.608	600	3,12	16,07	0,67	0,78	2,68
-25	543	631	2.153	697	3,52	21,68	0,78	0,91	3,09

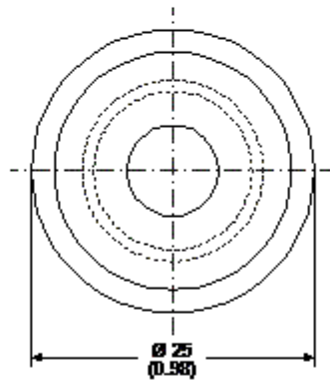
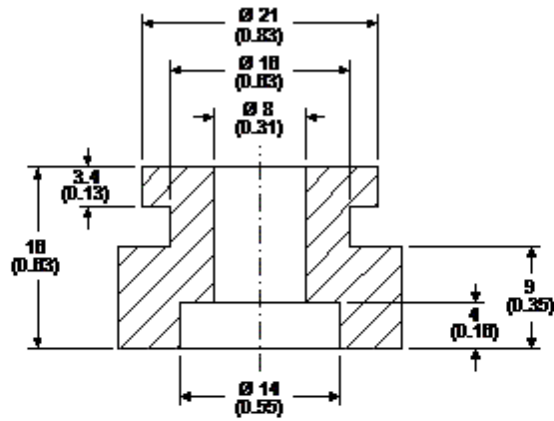
-20	700	814	2.778	791	3,92	28,23	0,89	1,03	3,51
-15	878	1.021	3.484	882	4,32	35,77	1,00	1,16	3,95
-10	1.076	1.251	4.269	970	4,73	44,35	1,11	1,29	4,40

## 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**