



Model: NJ9232GK
Code: 943NA11

embraco POWER IN.
CHANGE ON

Type:	On-off
Voltage [V] / Frequency [Hz] / Phases	220-240 V 50 Hz 1 ~
Refrigerant:	R-404A
Application:	MBP

Motor type:	CSCR
Starting torque:	HST
HP:	1 1/4
Displacement:	26.11 cm ³

OPERATING CONDITION

Evaporation Temp.	7.2 °C	Return Temp.	18.3 °C	Superheating	11.1 K
Condensing Temp.	54.4 °C	Liquid Temp.	54.4 °C	Subcooling	0.0 K

Cooling capacity	Power consumption	Mass flow rate	Efficiency
3,336.38 W	1,531.06 W	126.54 kg/h	2.18 W/W

APPLICATION

Evaporating temperature range:	-20 to 0 °C	Cooling type:	Fan Cooling
Permanent operating temperature (peak) :	55 (60) °C	Air Flow	--
Expansion device:	Capillary tube or Expansion valve	Maximum motor temperature:	130 °C

ELECTRICAL DATA

Start winding resistance at 25°C (77°F):	5.4 Ω +/- 8%	Run winding resistance at 25°C (77°F):	1.75 Ω +/- 8%
FLA - full load amperage L/MBP [A] 50 Hz / 60 Hz:	- / -	LRA (A) 50 Hz / 60 Hz:	43 / -
		FLA - full load amperage HBP [A] 50 Hz / 60 Hz:	- / -

MECHANICAL DATA

Bore:	41.77 mm	Stroke:	9.53 mm
		Displacement:	26.11 cm ³

OTHER INFORMATION

Weight:	21.6 kg	Oil charge:	750 ml
Lubricant type:	Polyolester ISO22	Nitrogen charge:	Yes

EXTERNAL SETTINGS

	Shape	Material	Diameter [mm]
Suction connector	Vertical	Copper	12.77
Discharge connector	Slanted J	Copper	8.00
Process connector	Vertical	Copper	6.42
Base plate:	American Standard	Tray holder:	No

PERFORMANCES AT STANDARD CHECK-POINTS

Checkpoint	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5%	+/-5%	+/-5%	+/- 7%	5% *	+/- 7%
	W	W	kg/h	W/W	W	W/W
EN12900 MBP	2,035.18	1,094.18	61.12	1.86	2,658.47	2.43

* Calculations performed considering isentropic compression and a housing loss of 10%. This is an estimated heat amount discarded in the discharge pipe and the condenser combined.

CONDENSING TEMP. 35 °C**(SUBCOOLING : 0 K, RETURN TEMP.: 32 °C)**

Evaporating temperature °C	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5%	+/-5%	+/-5%	+/- 7%	5% *	+/- 7%
	W	W	kg/h	W/W	W	W/W
-20.00	1,575.27	853.24	37.87	1.85	2,033.25	2.38
-15.00	2,025.95	948.26	49.00	2.14	2,542.95	2.68
-10.00	2,544.46	1,038.08	61.99	2.45	3,109.00	2.99
-5.00	3,135.17	1,116.27	77.03	2.81	3,732.73	3.34
0.00	3,805.63	1,177.33	94.44	3.23	4,419.21	3.75

CONDENSING TEMP. 45 °C**(SUBCOOLING : 0 K, RETURN TEMP.: 32 °C)**

Evaporating temperature °C	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5%	+/-5%	+/-5%	+/- 7%	5% *	+/- 7%
	W	W	kg/h	W/W	W	W/W
-20.00	1,261.20	874.03	34.12	1.44	1,735.12	1.99
-15.00	1,651.30	983.91	44.99	1.68	2,204.44	2.24
-10.00	2,111.68	1,096.27	58.00	1.93	2,738.22	2.50
-5.00	2,640.29	1,203.17	73.22	2.19	3,328.78	2.77
0.00	3,240.14	1,297.83	90.87	2.50	3,975.59	3.06

CONDENSING TEMP. 55 °C**(SUBCOOLING : 0 K, RETURN TEMP.: 32 °C)**

Evaporating temperature °C	Cooling capacity	Power consumption	Gas flow rate	Cooling Efficiency	Heating capacity +/-	Heating Efficiency
	+/-5%	+/-5%	+/-5%	+/- 7%	5% *	+/- 7%
	W	W	kg/h	W/W	W	W/W
-20.00	985.69	888.21	30.92	1.11	1,467.58	1.65
-15.00	1,284.67	1,003.77	40.63	1.28	1,851.04	1.84
-10.00	1,665.58	1,132.32	53.17	1.47	2,324.84	2.05
-5.00	2,116.02	1,264.31	68.31	1.67	2,864.04	2.27
0.00	2,632.00	1,390.91	86.09	1.89	3,457.65	2.49

ELECTRICAL ACCESSORIES

Kit:	1
Starter device:	VOLTAGE RELAY
Engineering code:	RVA3H3C-108
Run capacitor:	30
Starting capacitor:	88-108

Thermal protector: T0809/C9

Institutes approved for this electric kit:



If purchased without electricals consult Embraco to verify the supplier of electricals approved for this compressor

MECHANICAL ACCESSORIES

Rubber damper: Yes

Metal bushing: Optional

