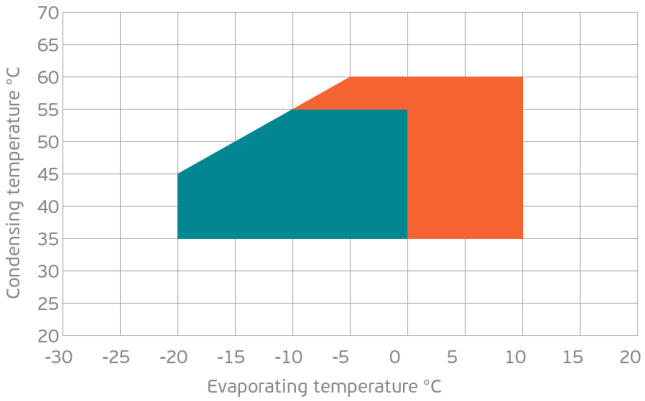
Model **NJ9238GS** | Code 947RM1101AA

embraco POWER IN. CHANGE ON.

GENERAL DATA

Application:	M/HBP
Refrigerant:	R404A
Evaporating Temperature Range:	-20°C to 10°C
Compressor Cooling:	Fan
Fan air flow:	800 m3/h
Maximum Condensing Pressure - Operating:	24.71 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	27.71 kgf/cm2 (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Single - 1 pc
Institute Approvals:	

OPERATING ENVELOPE



MECHANICAL DATA

Bore:	41.77 mm
Stroke:	23.85 mm
Free Internal Volume:	3.9 cm^3
Maximum Recommended Refrigerant Charge:	800 ml
Weight:	21.2 kg

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL DATA

Motor Type:	3PHASE -
Starting Torque:	HST -
Maximum Motor Temperature:	130 °C
Start Winding Resistance:	- Ω (± 10%) at 25°C
Run Winding Resistance:	8.4 Ω (± 10%) at 25°C
Locked Rotor Amperage (RLA):	22 A

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL COMPONENTS

	Component type	Description	Code
Inverter:	-	-	-
Run Capacitor:	-	-	-
Starting Device:	-	-	-
Start Capacitor:	-	-	-
CSR / CSIR Box:	-	-	-
Motor Protection:	Internal	| 34HM260	-

ACCESSORIES

Description	Code

For additional accessories please contact our technical support

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EXTERNAL CHARACTERISTICS

	Shape	Material	Internal Diameter (mm)
Suction Connector	Vertical	Copper	12.77
Discharge Connector	Slanted 65°	Copper	8
Process Connector	Vertical	Copper	6.42

MOUNTING ACCESSORIES

Description	Code

At maximum evaporating temperature and maximum ambient temperature.

PERFORMANCE CURVE DATA

Standard: ASHRAE / w

50 Hz

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
35°C Condensing Temperature	10°C	7 301	1 584	3.42	166.01	4.61
	5°C	6 230	1 517	3.35	140.11	4.11
	0°C	5 248	1 441	3.20	116.87	3.64
	-5°C	4 355	1 355	3.00	96.16	3.21
	-10°C	3 552	1 260	2.76	77.85	2.82
	-15°C	2 838	1 156	2.50	61.83	2.46
	-20°C	2 214	1 043	2.23	47.95	2.12
45°C Condensing Temperature	10°C	6 333	1 782	3.74	159.79	3.55
	5°C	5 370	1 671	3.59	133.86	3.21
	0°C	4 493	1 556	3.38	110.77	2.89
	-5°C	3 702	1 438	3.13	90.38	2.57
	-10°C	2 998	1 316	2.86	72.58	2.28
	-15°C	2 381	1 191	2.57	57.24	2.00
	-20°C	1 849	1 062	2.29	44.22	1.74
55°C Condensing Temperature	10°C	5 326	1 987	4.05	151.53	2.68
	5°C	4 475	1 830	3.83	125.73	2.44
	0°C	3 707	1 676	3.56	102.95	2.21
	-5°C	3 022	1 524	3.26	83.06	1.98
	-10°C	2 421	1 374	2.95	65.92	1.76

		Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
54.4°C Condensing Temperature	Rated point	7.2°C	4 897	1 888	3.91	137.25	2.59

60 Hz

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
35°C Condensing Temperature	10°C	8 542	1 853	3.46	194.25	4.61
	5°C	7 289	1 775	3.40	163.93	4.11
	0°C	6 140	1 686	3.27	136.74	3.64
	-5°C	5 096	1 586	3.08	112.51	3.21
	-10°C	4 156	1 474	2.83	91.09	2.82
	-15°C	3 321	1 352	2.53	72.34	2.46
	-20°C	2 591	1 220	2.17	56.10	2.12
45°C Condensing Temperature	10°C	7 411	2 084	3.85	186.97	3.56
	5°C	6 283	1 955	3.66	156.62	3.21
	0°C	5 257	1 821	3.44	129.60	2.89
	-5°C	4 332	1 682	3.19	105.75	2.57
	-10°C	3 508	1 540	2.92	84.92	2.28
	-15°C	2 785	1 393	2.62	66.97	2.00
	-20°C	2 164	1 243	2.31	51.74	1.74
55°C Condensing Temperature	10°C	6 233	2 323	4.26	177.32	2.68
	5°C	5 236	2 141	3.94	147.12	2.45
	0°C	4 337	1 961	3.62	120.45	2.21
	-5°C	3 536	1 783	3.31	97.17	1.98
	-10°C	2 833	1 608	3.01	77.13	1.76

		Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
54.4°C Condensing Temperature	Rated point	7.2°C	5 730	2 208	4.06	160.60	2.59