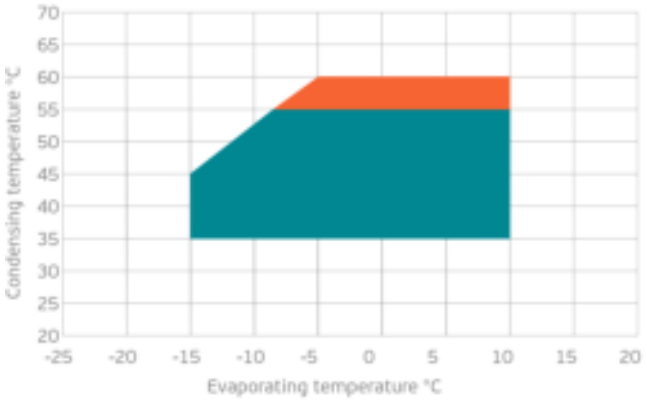
Model **NJ6220ZX** | Code 148HM1101AA

GENERAL DATA

Application:	HBP
Refrigerant:	R134a
Evaporating Temperature Range:	-15°C to 10°C
Compressor Cooling:	Fan
Fan air flow:	800 m3/h
Maximum Condensing Pressure - Operating:	13.92 kgf/cm2 (psig)
Maximum Condensing Pressure - Peak:	15.62 kgf/cm2 (psig)
Type:	Hermetic reciprocating
Technology Type:	On-Off
Expansion Device:	Capillary Tube or Expansion Valve
Packing Quantity:	Single - 1 pc
Institute Approvals:	CE

OPERATING ENVELOPE



MECHANICAL DATA

Bore:	41.77 mm
Stroke:	19.07 mm
Free Internal Volume:	3.9 cm^3
Maximum Recommended Refrigerant Charge:	800 ml
Weight:	18.6 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:	18.67 Ω (± 10%) at 25°C
Locked Rotor Amperage (RLA):	11 A

At maximum evaporating temperature and maximum ambient temperature.

ELECTRICAL COMPONENTS

	Component type	Description	Code
Inverter:	-	-	-
Run Capacitor:	-	-	-
Starting Device:	-	-	-
Motor Protection:	Internal	| 34HM272	-
Start Capacitor:	-	-	-
CSR / CSIR Box:	-	-	-

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	9.6
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	3 587	738	1.41	67.79	4.86
	5°C	2 885	692	1.37	54.16	4.17
	0°C	2 290	642	1.31	42.73	3.57
	-5°C	1 802	590	1.24	33.47	3.06
	-10°C	1 422	534	1.16	26.32	2.66
	-15°C	1 148	476	1.07	21.22	2.41
45°C Condensing Temperature	10°C	3 214	828	1.54	65.66	3.88
	5°C	2 616	763	1.46	53.15	3.43
	0°C	2 093	697	1.38	42.29	3.00
	-5°C	1 643	628	1.29	33.04	2.62
	-10°C	1 266	557	1.20	25.35	2.27
	-15°C	963	484	1.10	19.16	1.99
55°C Condensing Temperature	10°C	2 827	921	1.68	63.20	3.07
	5°C	2 336	838	1.56	51.81	2.79
	0°C	1 886	754	1.45	41.53	2.50
	-5°C	1 475	668	1.34	32.31	2.21
	-10°C	1 104	581	1.23	24.09	1.90

60 Hz

		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	2 567	870	1.61	56.80	2.95

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
35°C Condensing Temperature	10°C	4 197	863	1.43	79.31	4.86
	5°C	3 375	811	1.39	63.36	4.16
	0°C	2 679	755	1.34	50.00	3.55
	-5°C	2 109	697	1.27	39.16	3.03
	-10°C	1 663	636	1.19	30.79	2.62
	-15°C	1 344	572	1.09	24.82	2.35
45°C Condensing Temperature	10°C	3 760	966	1.57	76.83	3.89
	5°C	3 061	894	1.49	62.18	3.42
	0°C	2 449	820	1.41	49.48	2.99
	-5°C	1 922	743	1.32	38.66	2.59
	-10°C	1 482	665	1.22	29.66	2.23
	-15°C	1 127	584	1.12	22.41	1.93
55°C Condensing Temperature	10°C	3 308	1 073	1.72	73.95	3.08
	5°C	2 734	981	1.60	60.62	2.79
	0°C	2 206	887	1.48	48.60	2.49
	-5°C	1 726	792	1.37	37.81	2.18
	-10°C	1 292	695	1.26	28.19	1.86

54.4°C Condensing Temperature	Rated point	7.2°C	3 004	1 016	1.64	66.46	2.96