
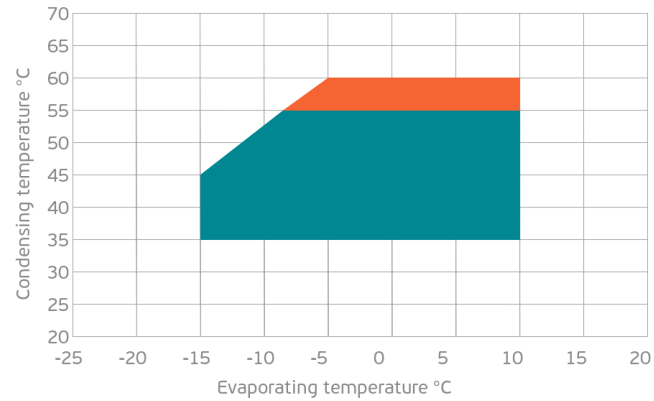


## GENERAL DATA

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

## OPERATING ENVELOPE



## MECHANICAL DATA

<b>Bore:</b>	41.77 mm
<b>Stroke:</b>	19.07 mm
<b>Free Internal Volume:</b>	3.9 cm <sup>3</sup>
<b>Maximum Recommended Refrigerant Charge:</b>	800 ml
<b>Weight:</b>	18.6 kg

At maximum evaporating temperature and maximum ambient temperature.

## ELECTRICAL DATA

<b>Motor Type:</b>	3PHASE -
<b>Starting Torque:</b>	HST -
<b>Maximum Motor Temperature:</b>	130 °C
<b>Start Winding Resistance:</b>	- Ω (± 10%) at 25°C
<b>Run Winding Resistance:</b>	18.67 Ω (± 10%) at 25°C
<b>Locked Rotor Amperage (RLA):</b>	11 A

At maximum evaporating temperature and maximum ambient temperature.

## ELECTRICAL COMPONENTS

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

## ACCESSORIES

**Description**

**Code**

For additional accessories please contact our technical support

**EXTERNAL CHARACTERISTICS**

	Shape	Material	Internal Diameter (mm)
<b>Suction Connector</b>	ROTOLOCK 1"-14UNS-2A	Steel	12.77
<b>Discharge Connector</b>	Slanted 65°	Copper	8
<b>Process Connector</b>	Vertical	Copper	6.42

**MOUNTING ACCESSORIES**

Description	Code
At maximum evaporating temperature and maximum ambient temperature.	

**PERFORMANCE CURVE DATA**

Standard: ASHRAE / w

	Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
<b>35°C</b> 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
<b>45°C</b> 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
<b>55°C</b> 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

50 Hz

		Evaporating Temperature (°C)	Cooling Capacity (w)	Power Consumption (W)	Current Consumption (A)	Gas Flow Rate	Efficiency (w/W)
<b>54.4°C</b> 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)
<b>35°C</b> 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

<b>45°C</b> 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

<b>55°C</b> 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

<b>54.4°C</b> Condensing Temperature	Rated point	7.2°C	3 004	1 016	1.64	66.46	2.96
---	-------------	-------	-------	-------	------	-------	------

60 Hz

