


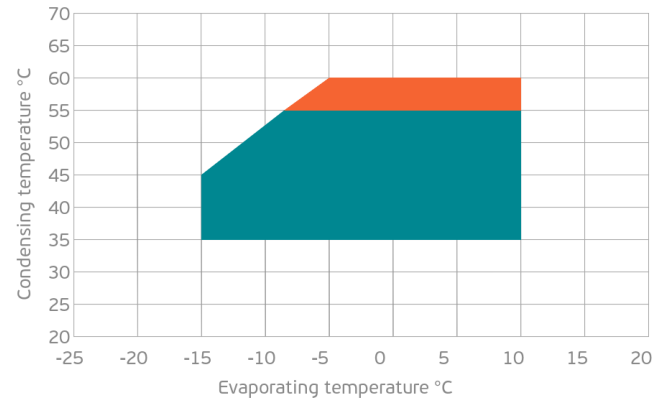


## GENERAL DATA

<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>	42.85 mm
<b>Stroke:</b>	23.85 mm
<b>Free Internal Volume:</b>	3.9 cm <sup>3</sup>
<b>Maximum Recommended Refrigerant Charge:</b>	800 ml
<b>Weight:</b>	19.6 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>	14.78 Ω (± 10%) at 25°C
<b>Locked Rotor Amperage (RLA):</b>	13 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>Start Capacitor:</b>	-	-	-
<b>CSR / CSIR Box:</b>	-	-	-
<b>Motor Protection:</b>	Internal	34HM244	-

## 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

50 Hz

	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	4 593	1 011	2.03	86.79	4.54
	5°C	3 867	942	1.94	72.59	4.10
	0°C	3 230	873	1.86	60.30	3.70
	-5°C	2 683	804	1.79	49.84	3.34
	-10°C	2 224	735	1.73	41.18	3.03
	-15°C	1 855	666	1.68	34.24	2.78
<b>45°C</b> Condensing Temperature	10°C	3 955	1 129	2.21	80.83	3.50
	5°C	3 315	1 040	2.09	67.32	3.19
	0°C	2 742	949	1.97	55.37	2.89
	-5°C	2 235	858	1.86	44.93	2.61
	-10°C	1 796	765	1.76	35.94	2.35
	-15°C	1 424	672	1.68	28.36	2.12
<b>55°C</b> Condensing Temperature	10°C	3 291	1 252	2.40	73.56	2.63
	5°C	2 739	1 142	2.24	60.74	2.40
	0°C	2 231	1 029	2.08	49.16	2.17
	-5°C	1 768	914	1.94	38.75	1.93
	-10°C	1 350	797	1.80	29.46	1.69

		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	3 014	1 184	2.30	66.68	2.55

		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	5 374	1 181	2.07	101.54	4.55
		5°C	4 524	1 104	1.98	84.93	4.10
		0°C	3 779	1 027	1.90	70.55	3.68
		-5°C	3 139	950	1.82	58.32	3.30
		-10°C	2 602	874	1.76	48.18	2.98
		-15°C	2 170	797	1.71	40.07	2.72

60 Hz

<b>45°C</b> Condensing Temperature		10°C	4 627	1 317	2.26	94.57	3.51
		5°C	3 878	1 217	2.13	78.76	3.19
		0°C	3 208	1 117	2.01	64.78	2.87
		-5°C	2 615	1 015	1.90	52.57	2.58
		-10°C	2 101	913	1.80	42.05	2.30
		-15°C	1 666	809	1.71	33.17	2.06

<b>55°C</b> Condensing Temperature		10°C	3 851	1 459	2.45	86.07	2.64
		5°C	3 204	1 336	2.28	71.07	2.40
		0°C	2 610	1 210	2.12	57.52	2.16
		-5°C	2 069	1 083	1.98	45.34	1.91
		-10°C	1 580	953	1.84	34.47	1.66

<b>54.4°C</b> Condensing Temperature	Rated point	7.2°C	3 526	1 382	2.34	78.01	2.55
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