R472

ACS GREEN REFRIGERANT GAS

discovery is eco-friendly

Flower® patented technology allows to reduce energy consumption and minimize environmental impacts.

Energy Consumption

Up to 70% reduction of energy consumption can be assured during the stabilization and transition phases due to a unique and "patented system" which includes:

1. an inverter that controls compressor speed and allows the adaptation of compressor power to different working needs.
2. a "cold sink" to increase the cooling efficiency.

Noise Level

Up to 50% sound pressure reduction is obtained due to:

1. an inverter on the compressor which reduces the rotation speed according to working conditions
2. an automatic control system that reduces condenser blower rotating speed according to ambient temperature and cooling power.

	MODEL	FM340 (C)	FM600 (C)	FM1200 (C)
Useful capacity (l)		337	553	1076
Internal dimensions approx. (mm)	Width	601	850	1000
	Depth	810	730	1130
	Height	694	892	953
External dimensions approx. (mm)	Width	875	1124	1278
	Depth	1786	1768	2222
	Height	1765	2049	2111
Temperature range (°C)	Basic	-40…+180	-40…+180	-40…+180
	C model	-75…+180	-75…+180	-75…+180
Temperature fluctuation (K)		±0.1...±0.3	±0.1...±0.3	±0.1...±0.3
Temperature changing rate Heating [4+5]	Basic (-40/+180°C)	4,5K/min	6K/min	6K/min
	C model (-70/+180°C)	4,5K/min	6K/min	6K/min
Temperature changing rate Cooling without the "cold sink" [4+5]	Basic (-40/+180°C)	3K/min	4,5K/min	4K/min
	C model (-70/+180°C)	2,3K/min	4K/min	3K/min
Temperature changing rate Cooling with the "cold sink" [4+5]	Basic (-40/+180°C)	6K/min	6,5K/min	7K/min
	C model (-70/+180°C)	3,8K/min	5,5K/min	5K/min
Humidity range (%) (τ=-3/+94°C) [2]		10...98	10...98	10...98
Temperature range for climatic test (°C)		10...95	10...95	10...95
Humidity fluctuation (%)		±1...±3	±1...±3	±1...±3
Maximum thermal Load (W) [5]	Basic T=+25°C	2300	4500	4500
	C model T=+25°C	1500	3000	3000
Rated power (kW)	Basic	6,4	12,5	18,3
	C model	7,3	14,3	20,9
Rated current absorption (A)	Basic	12,8	24	34
	C model	16	29,2	41
Weight (kg)	Basic	780	985	1180
	C model	830	1090	1280
Sound pressure level dB(A) [3]	Basic	58	63	64
	C model	63	66	68
Sound pressure level at steady cond. dB(A) [3]	Basic	54	56	59
	C model	56	60	63
Supply voltage (Vac)		400V ±10%/50Hz/3 + N + G		

2. τ= +4°C/+94°C for continuous test - **3.** measured at 1 m distance in front of the unit in 1,6 m height,free field measurement - **4.** according to IEC 60068-3-5and IEC 60068-3-6 - **5.** The performance data refer to +22°C ambient temperature, 400V nominal voltage, without specimen