

Performance & dimensions

Application: Low back pressure

Refrigerant: R600a (CH₃CH(CH₃)CH₃)

Evaporator temp range: -35°C to -5 °C

<50Hz>

Rated voltage / Frequency	Model	ASHRAE				CECOMAF			Voltage range
		Capacity		COP - W/W		Capacity	COP - W/W		
		W	kcal/hr	RSIR	RSCR	W	RSIR	RSCR	
100V 50Hz/60Hz	ESS100E10RAJ	166	143	-	1.48	124	-	1.16	90V-110V
220V-240V 50Hz	ESS60E55RAW	95	82	1.44	1.48	71	1.13	1.17	187V-255V
	ESS76E74RAW	126	108	1.43	1.52	94	1.11	1.18	187-264V
	ESS100E94RAW	166	143	1.44	1.53	127	1.13	1.19	

<60Hz>

Rated voltage / Frequency	Model	ASHRAE				CECOMAF			Voltage range
		Capacity		COP - W/W		Capacity	COP - W/W		
		W	kcal/hr	RSIR	RSCR	W	RSIR	RSCR	
100V 50Hz/60Hz	ESS100E10RAJ	200	172	-	1.54	149	-	1.20	90V-110V

Condition	ASHRAE	CECOMAF
Condensing temperature:	54.4 °C	55 °C
Evaporating temperature:	-23.3 °C	-25 °C
Ambient temperature:	32.2 °C	32 °C
Gas superheated to:	32.2 °C	32 °C
Liquid subcooled to:	32.2 °C	55 °C

Notes: All data covered by this catalogue are given as general information only.

Since we are constantly improving our products, as the specifications and availability are subject to change without notice

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Appearance - representative

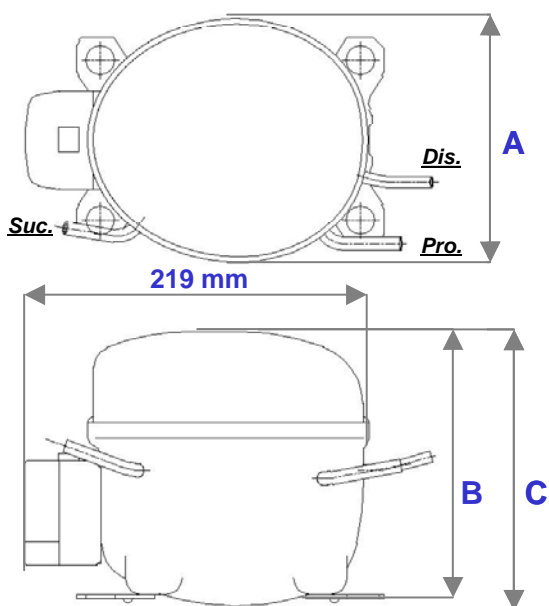
Rated voltage / Frequency	Model		Dimension -mm			Mount	
	Name	Cooling type	A	B	C	Dia.-mm	Pitch-mm
100V 50/60Hz	ESS100E10RAJ	FC	155.6	169.8	174.8	Ø19 * 4	101.6 * 165.1
220V-240V 50Hz	ESS60E55RAW ESS76E74RAW ESS100E94RAW	ST	155.6	169.9	174.8	Ø16 * 4	70 * 170

Note) Compressor cooling: ST = Static cooling, FC = Fan cooling, OC = Oil cooling

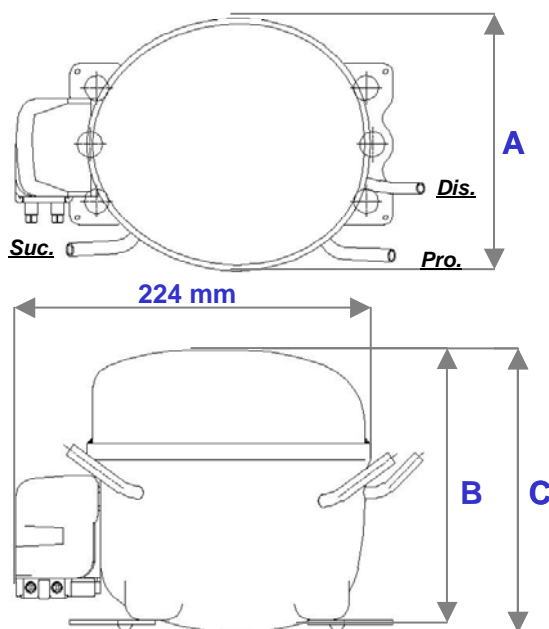
Tube dimension - representative

Rated voltage / Frequency	ID / OD -mm				Location of Suction tube
	Dis.	Suc.	Pro.	Oil cooler	
100V 50/60Hz	4.9 / 7.0	6.54 / 7.94	6.54 / 7.94		Terminal side
220V-240V 50Hz	5.1 / 7.0	6.1 / 7.94	6.1 / 7.94		Terminal side

100V 50Hz/60Hz



220V-240V 50Hz
Terminal board



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