Rooftop air conditioner for demanding requirements

SPHEROS

REVO

Air conditioner

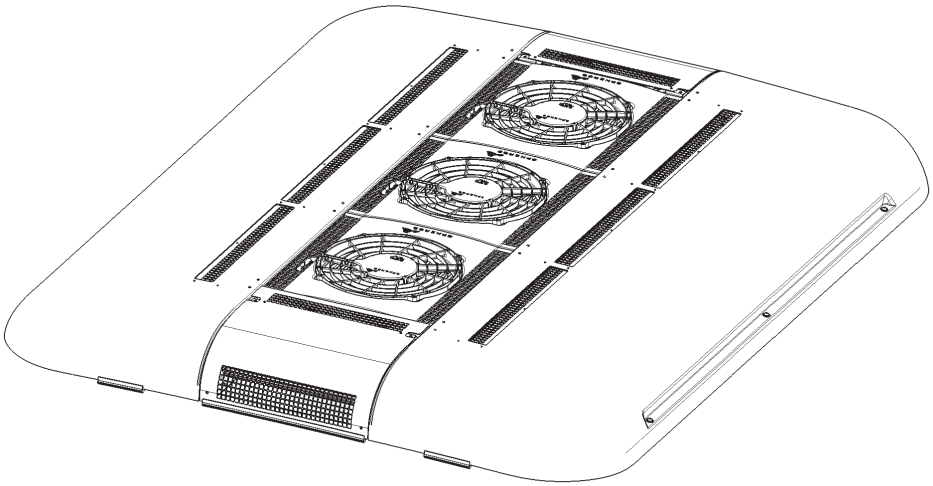
New

Powerful and pioneering: Outstanding performance at a low weight

Our new, powerful rooftop unit is called REVO.
Due to its composition of state-of-the-art components, the innovative, modular rooftop system achieves a significant increase in efficiency, low weight and reduced noise.
Designed for the highest level of performance and durability, it generates optimal climatic conditions and also considerably reduced life cycle costs.

REVO

3D graphic



Highlights:

- 30% weight reduction compared to similar systems (135 kg for 32kW unit) / (247 lbs for 109.000 BTU/h)
- Improved efficiency through the use of optimised and state-of-the-art components
- Low noise emission
- Extensive life cycle cost reduction
- Modular system from 109.000-153.000 BTU/h with identical interfaces
- Greater airflow with less power consumption
- Design adaptable to all vehicle types

REVO – Overview of technical data

Technical Data	REVO 300	REVO 360		REVO 360 S	REVO 400	REVO 450	REVO 420 ART	REVO 450 ART
Max. cooling capacity (BTU/h) / (kW)	102,000 / 30	109,000 / 32	123,000 / 36	123,000 / 36	136,000 / 40	154,000 / 45	143,000 / 42	154,000 / 45
Cooling capacity nominal (BTU/h) / (kW)	75,000 / 22	82,000 / 24	89,000 / 26	89,000 / 26	99,000 / 29	116,000 / 34	106,000 / 31	116,000 / 34
Air flow volume (free-blowing, ccm/h) / CFM	4640 / 2,730	6960 / 4,100	6960 / 4,100	6960 / 4,100	9280 / 5,400	9280 / 5,400	13920 / 8,200	13920 / 8,200
Heating capacity (kW) / (BTU/h)	40 / 136,000	40 / 136,000	40 / 136,000	40 / 136,000	38 / 130,000	opt. 38 / 130,000	40 + 40 / 2x 136,000	40 + 40 / 2x 136,000
Max. operating temperature (F°) / (°C)	126 / 52	126 / 52	122 / 50	126 / 52	131 / 55	136 / 58	118 / 48	126 / 52
Power consumption (Amp @ 26 VDC) [1]	54A / 1.5KW	61A / 1.7 kW	61A / 1.7 kW	71A / 2.0 kW	84A / 2.3 kW	94A / 2.6 kW	71+42A / 3.1 kW	61+61A / 3.4 kW
Compressor (cm³)	470	470	560	560	655	775	655	655
Refrigerant (CFC-free)	R 134 a	R 134 a	R 134 a	R 134 a	R 134 a	R 134 a	R 134 a	R 134 a
Weight (lbs) / (kg)	273 / 124	284 / 129	284 / 129	295 / 134	357 / 162	408 / app. 185	295 + 251 / 134+114	284 + 284 / 129+129
Dimensions L x W x H (inch) / (mm)	102 x 79 x 8.5 / 2,593 x 2,077 x 215				122.6 x 79 x 8.5 / 3,113 x 2,077 x 215		2pcs 102 x 79 x 8.5 / 2,593 x 2,077 x 215	

Revo 360 S (Strong), Revo 420 ART (Articulated), Revo 360 ART R (Articulated rear master unit), Revo 360 ART F (Articulated front unit), Revo 450 ART (Articulated)

[1] 90% PWM of the evaporator blower results equivalent air volume as the Aerosphere world with 100% PWM due to new Revo technology

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