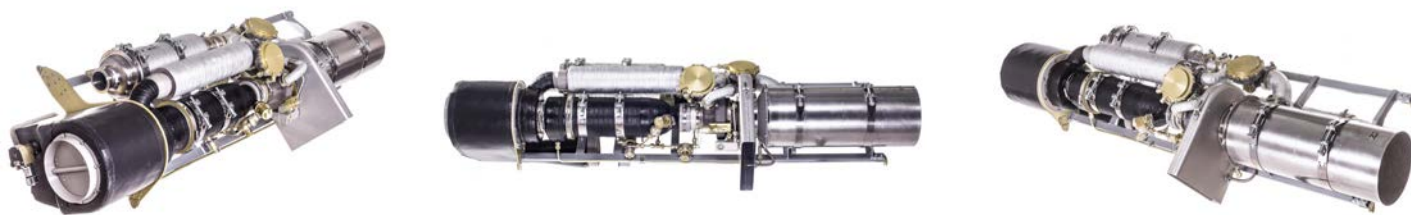


ENVIRONMENTAL CONTROL SYSTEM ECS-M1V

Designed for heating, cooling and ventilation of
Mi-8/17 and new advanced Mi-171A2 helicopters



ENVIRONMENTAL CONTROL SYSTEM ECS-M1V



Main features

- › Cooling, heating and ventilation all-in-one
- › Low weight
- › Compact design and
- › Simple maintenance
- › Low electricity requirements
- › On-condition maintenance, no overhaul
- › Ecological operation - no refrigerant
- › Pneumatic regulation

Main components

- › Turbocooler with heat exchanger
- › Water separator
- › Noise silencer
- › Control valves
- › Shut-off valve
- › Thermostats and temperature selector
- › Distributing flaps
- › Air fan

Technical parameters

Inlet bleed air pressure	max. 400 kPa	max. 58 psi
Inlet bleed air temperature	max. 210 °C	max. 410 °F
Air flow rate	max. 1,500 kg/hour	max. 3,300 lb/hour
Cooling capacity	max. 10.8 kW	max. 36,900 BTU/hour
Heating capacity	max. 62.0 kW	max. 211,800 BTU/hour
Air-conditioning air temperature range	from +0 °C to +90 °C	from +32 °F to +194 °F
Cabin temperature control range	from +15 °C to +30 °C	from +59 °F to +86 °F

Dimensions and weight

Weight	60.0 kg	132.3 lb
Dimensions (length x height x width)	1,695 x 592 x 466 mm	66.73 x 23.31 x 18.35 in

Operating range

Operational ambient temperature	-55 °C to +60 °C	-67 °F to +140 °F
Operational altitude range	0 to 6,000 m	0 to 20,000 ft
Lifetime (operating hours)	12,000	12,000