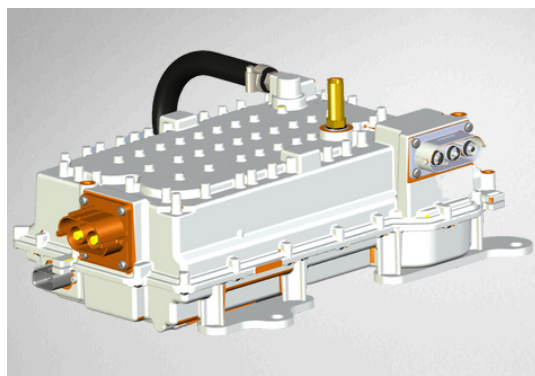




Electric Turbo-Compressor

Power dense and cost-effective
with flexible input voltage range.



eCompressor Features

- Compact
- Continuous operation
- Oil-free air-bearing technology
- Fast response to speed demand
- Low air flow at high pressure ratios

Controller Features

- Separate speed and torque control
- Reduced switching frequencies using block commutation
- Cost effective

Address

Unit 4, Hermes Court, Hermes Close, Leamington Spa,
Warwickshire, CV34 6NJ, United Kingdom

Online

Email: info@aeristech.co.uk
Website: www.aeristech.co.uk



Performance and specifications subject to change

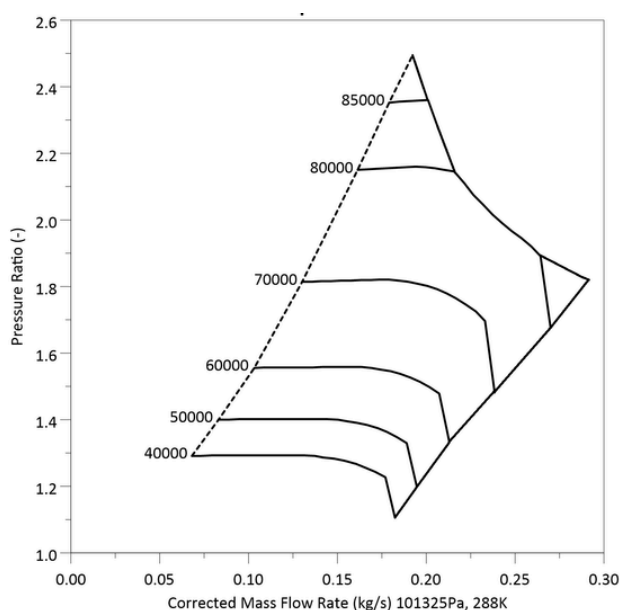
General Specification

Compressor Type	Centrifugal compressor with turbo
Bearings	Air bearings
Cooling	Liquid cooled (Water + Glycol) & Air cooled
Ambient air temperature	-40 to 70°C
Input Voltage	520 - 750V DC
Mass (Compressor Controller)	18.5 kg 17.5 kg
Dimensions (Compressor Controller)	385 x 305 x 245 mm 495 x 391 x 190 mm

Performance at sea level

Max rotational speed	87,000 rpm
Maximum Mass flow	0.29 kg/s with 1.85PR
Maximum Pressure ratio	2.5 PR at 0.193 kg/s
Maximum input power DC	35 kW

1D Analysis Compressor Map
Sea level performance limits with no turbine contribution



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