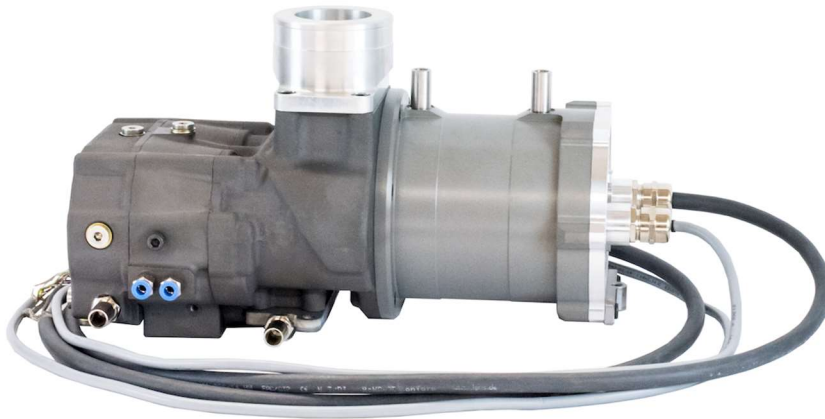
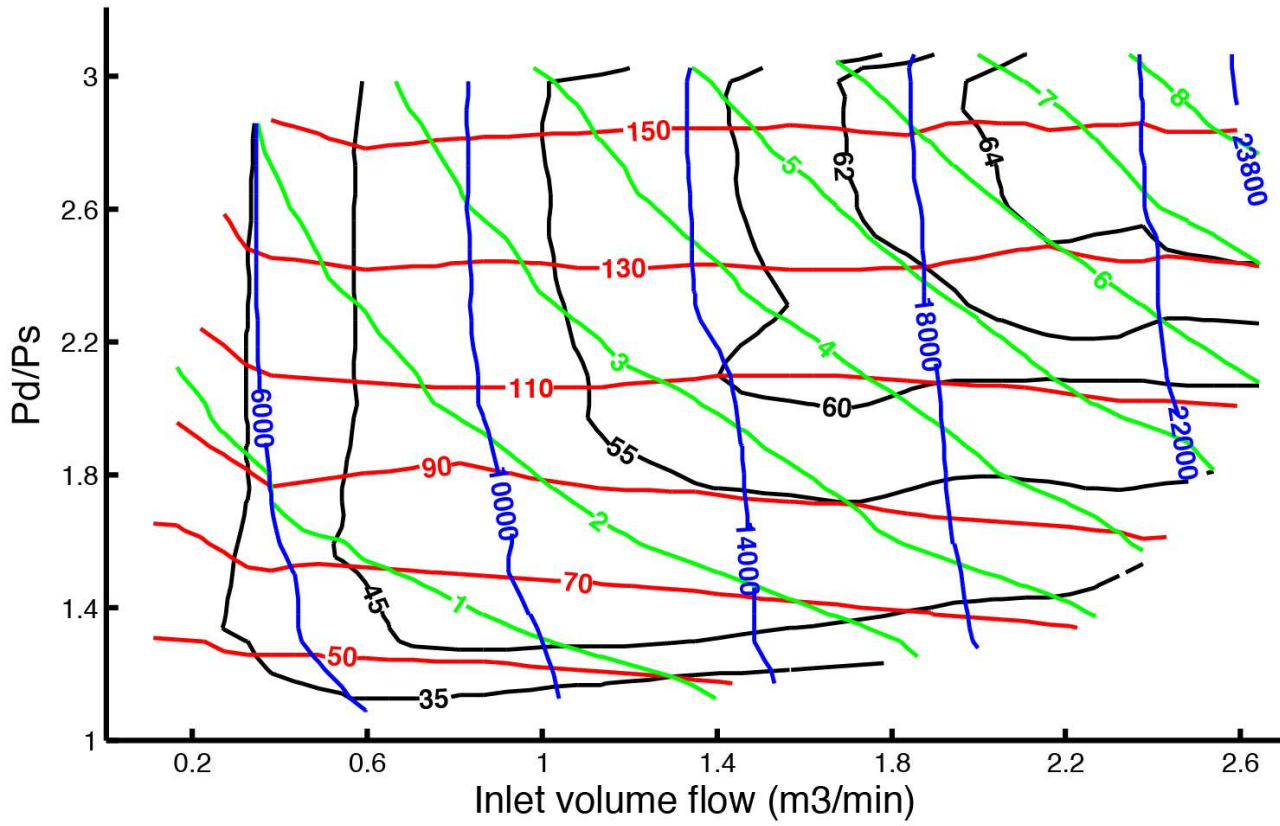


# OA072



<b>Layout</b>	Synchronized twin screw single stage air compressor with integrated Permanent Magnet motor
<b>Air Flow</b>	2.5 m <sup>3</sup> /min, (50 g/s at 1 bar (abs) & 20°C)
<b>Motor power</b>	8 kW
<b>Sealing system:</b>	Double safety barrier seal
<b>Cooling system:</b>	Liquid cooled motor, compressor casing and gear casing.
<b>Cooling liquid:</b>	50/50 WEG Water/Ethylene Glycol Or De-ionized water
<b>Overall dimensions</b>	323 x 189 x 146
<b>Weight Compressor+Motor</b>	12.2 kg
<b>Inlet pressure</b>	0.9 – 1.1 bar (abs)
<b>Pressure ratio</b>	1.0 – 3.0
<b>Speed range</b>	0 – 24 000 rpm

### Performance of OA072 fuel cell compressor



Inlet temperature = 25 C  
 Inlet pressure = 1 bara

- Adiabatic efficiency (%)
- Discharge Temperature (C)
- Shaft power (kw)
- Shaft speed (RPM)