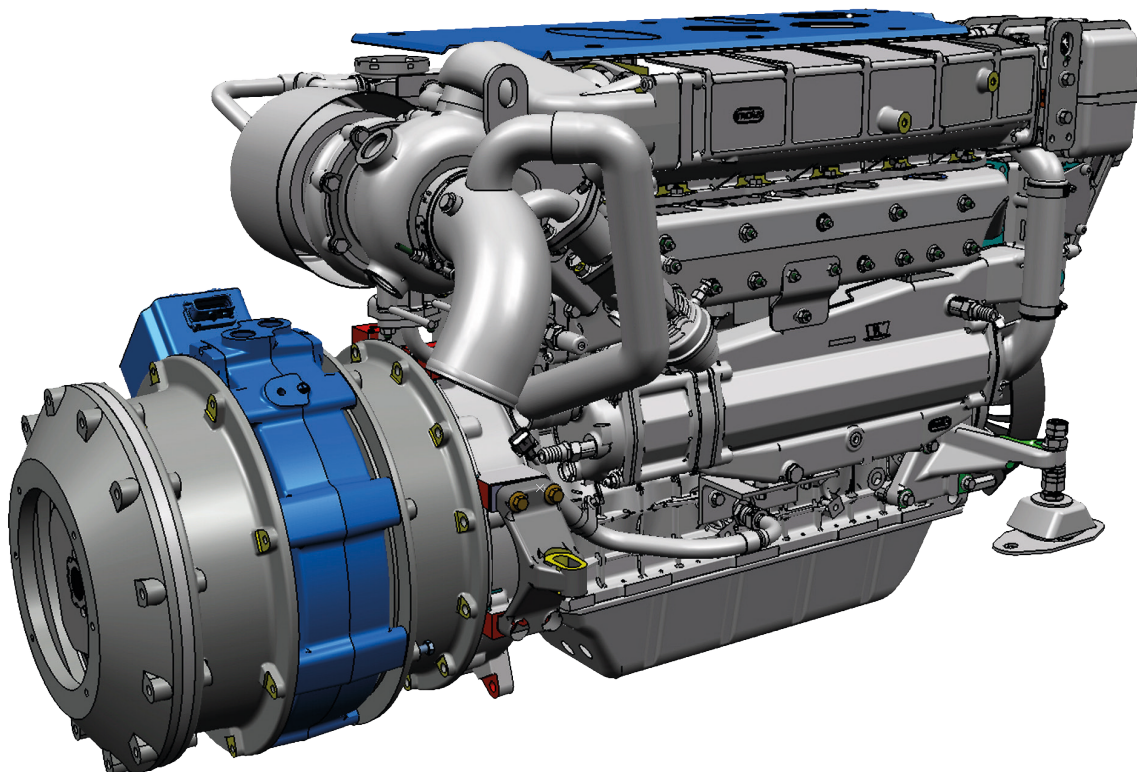




Diesel Engine Technical Data

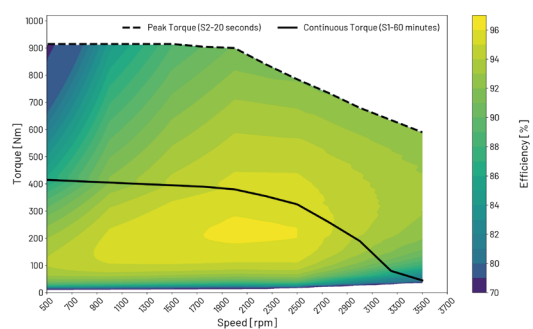
Number of cylinders	6 in-line
Displacement (l) - (cc)	4,2 - 4.164
Bore/Stroke (mm) - (in)	(94x100) - (3,7x4,09)
Dry weight (kg)	460
Cooling	Water
Combustion	Direct injection Common Rail
Induction	Turbocharged and intercooled
Emission compliance	Directive 2013/53/EU

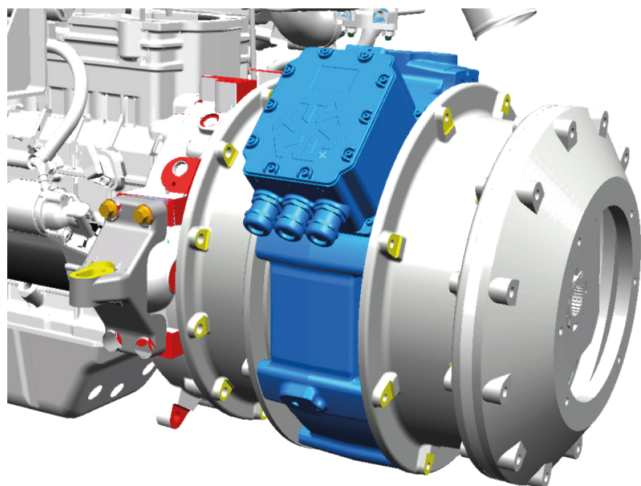
Technical Data Electric Engine/Generator



Engine Type	Axial-Flux
Cooling	Liquid
Refrigerant Temperature Range	-20°C to 85°C
Ambient Temperature Range	-20°C to 90°C
Refrigerant Type	B56580-1992 or equivalent
Maximum Winding Temperature	170°C
IP Rating	IP67 and IP6k9k
Weight	45 kg
Efficiency	96%

360 V_{DC} 3T Motor





The **Turntide** Axial Flux Motor offers exceptional power density, with one of the highest peak power and torque ratings, in its class, at over 5.1 kW/kg and 20.5 Nm/kg at 360VDC.

Technical data

Motor model	42 HPEP 350	42 HPEP 330	42 HPEP 300	42 HPEP 280	42 HPEP 250	42 HPEP 150
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Diesel Mode

Maximum Power	257 kW 350 HP 3800 rpm	242,6 kW 330 HP 3800 rpm	220,6 kW 300 HP 3800 rpm	220,6 kW 280 HP 3800 rpm	184 kW 250 HP 3800 rpm	110 kW 150 HP 3800 rpm
Maximum Torque	700 Nm 71.4 Kgm 2700 rpm	657 Nm 67 Kgm 2700 rpm	657 Nm 67 Kgm 2700 rpm	657 Nm 67 Kgm 2700 rpm	530 Nm 54 Kgm 2700 rpm	330 Nm 33.6 Kgm 2700 rpm

Hybrid Diesel-Electric Mode

Max. Power (360VDC)	337 kW	322 kW	300 kW	286 kW	264 kW	190 kW
Max. Power (750VDC)	377 kW	362 kW	340 kW	326 kW	304 kW	230 kW

Electric Mode

	720 VDC	360 VDC
Max Motor Speed	3700 rpm	
Peak Power	310 kW	310 kW
Peak Torque	875 Nm	875 Nm
Max Continuous Power	120 kW	120 kW
Max Continuous Torque	375 Nm	375 Nm
Voltage Range	450 - 800 V	128 - 420 V
Reccomended Battery Voltage	720 VDC (nominal)	360 VDC (nominal)
Peak Current	53 A	400 A
Maximum Continuous Current	33 A	200 A