

Radial Flux Electric Machine (7.3kW)

Customer Bespoke radial motor for high performance automotive aero-fan application.

Turntide can produce bespoke radial machines for other high-performance applications.

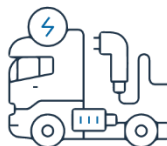
Please contact electrificationsales@turntide.com for more information



Features

- Liquid cooled for enhanced thermal performance
- Sensor-less design
- Validated to ISO-16750 environmental test standards
- High Power Density
- Low Package Size
- Power to weight ratio of 1.87kg/kW

Applications



TURNTIDE ELECTRIFICATION

Details are correct at time of publishing

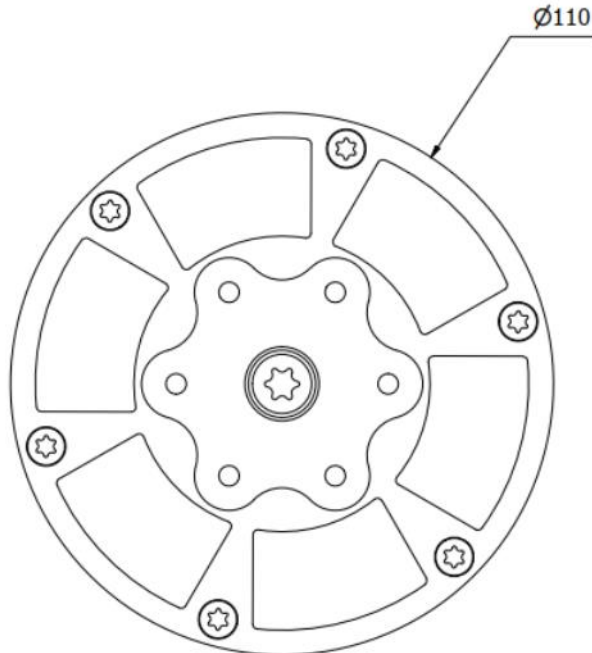
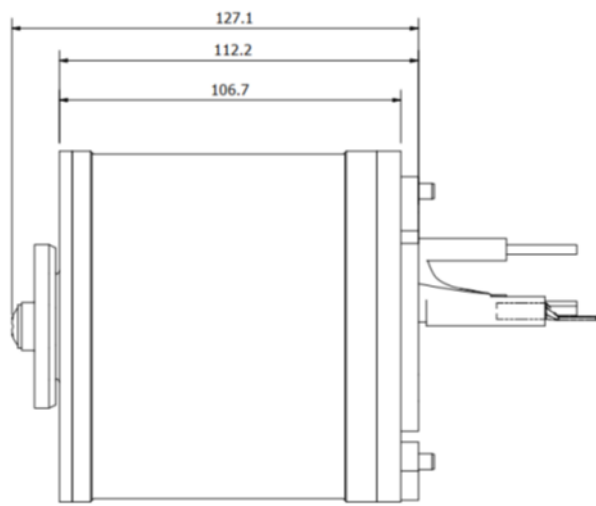
Turntide Technologies designs and manufactures breakthrough electric motors, power electronics and energy storage solutions that optimize performance, reliability, and efficiency in all things that move.

Turntide Transport Ltd, Eighth Avenue, Team Valley Trading Estate, Gateshead, NE11 0QA, UK

turntide.com | electrificationsales@turntide.com

TTN-MAN-002
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Specification

Key Features			
Power (kW)	<ul style="list-style-type: none">7.3	Speed (rpm)	<ul style="list-style-type: none">5900
Torque (Nm)	<ul style="list-style-type: none">11.78	Peak efficiency	<ul style="list-style-type: none">>93%
Environmental			
Coolant inlet temperature (°C)	<ul style="list-style-type: none">-20 to +75	Ambient temperature (°C)	<ul style="list-style-type: none">-20 to +81
Coolant flow rate (lpm)	<ul style="list-style-type: none">7.5	IP	<ul style="list-style-type: none">6k9k
† - During motor operation			
Mass, Dimensions and Drawings			
Weight (g)	3900	Length (mm)	127.1
Outer Diameter (mm)	110		
			
Additional Information			
Inverter input (V DC)	<ul style="list-style-type: none">48	Current at rated speed & torque (A @48V)	<ul style="list-style-type: none">172.5

For more information on this product or Turntide's range of inverters, motors, batteries, pumps and fans, please visit our web-site or contact our team of experts at electrificationsales@turntide.com.

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