

25 kW ELECTRIC PROPULSION SYSTEM

DRONES, URBAN MOBILITY (E-VTOLS), MULTIROTORS, TRIKES

25 kW

max continuous power

120 V

max voltage

120 Nm

max torque

4 000 RPM

max revolution per minute

CONTROLLER HBC280120-3 SPECIFICATIONS



max continuous power¹

33 kW



voltage

16-120 V



max continuous current¹

280 A



peak current

400 A



cooling¹

air/fluid

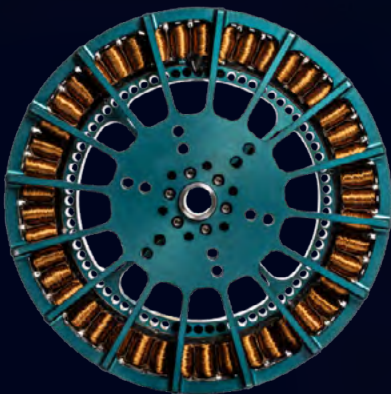


monitoring

complex data monitoring



MOTOR REB30 SPECIFICATIONS



torque

150 Nm



max power¹

40 kW



rpm²

4 000



max continuous power¹

25-30 kW



diameter

267 mm



voltage

63-800 V



motor sensors

**sensored/
sensorless**



cooling

**air/hybrid
(fluid/air)**

Note: all the values are valid for environments of 25°C (please see the manual)

¹depends on voltage and rpm

²rpm out of this range needs to be discussed with MGM COMPRO

REB30 and HBC280120-3 is one of our most finest-tuned propulsion system unit that consists of the high-performance controller and one of the most variable electric motors with extremely high efficiency and power in our portfolio. It finds great use in aviation, marine, and ground vehicle projects – especially in manned/unmanned e-VTOLs (urban mobility/air taxis) and heavy payload lifting drones, where low weight combined with great power and torque is crucial. This propulsion system unit can be also used in race/acrobatic paramotors, trikes, and many other applications.

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