

45 kW ELECTRIC PROPULSION SYSTEM

URBAN MOBILITY (E-VTOLS), HEAVY PAYLOAD LIFTING DRONES, ULTRALIGHTS

45 kW
max continuous power

400 v
max voltage

250 Nm
max torque

4 000 RPM
max revolution per minute

CONTROLLER HBC400400-3 SPECIFICATIONS



max continuous power¹ **100 kW**



voltage **400 V**



max continuous current¹ **400 A**



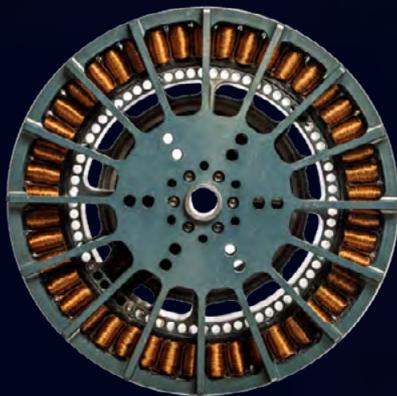
peak current **560 A**



cooling¹ **air/fluid**



monitoring **complex data monitoring**



MOTOR REB60 SPECIFICATIONS



torque **250 Nm**



max power¹ **60 kW**



rpm² **4 000**



max continuous power¹ **35-45 kW**



diameter **271 mm**



voltage **400-800 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

REB60 and HBC400400-3 is a great combination of high-performance controller with one of our finest-tuned motors with a specific design that suits many types of applications in the air, ground, or water. This propulsion system unit and its compatibility with transition needs to serve well in both horizontal and hovering phases are very suitable for e-VTOLS. Its great weight to power ratio makes this combination very suitable for heavy payload lifting drones as well as other demanding applications like large multi-rotors, ultralight, and ambitious projects concerning urban mobility and airships.



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