

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

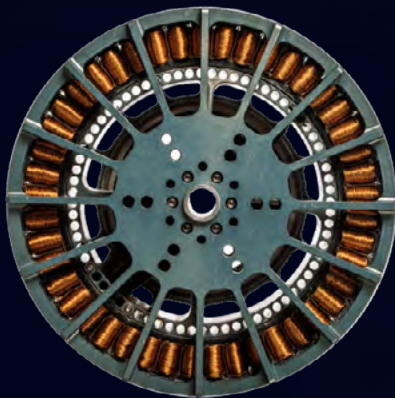


monitoring

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.

AIRBUS
GROUP

XTI
AIRCRAFT



Bell Helicopter



mgm-compro.com