



10 kW ELECTRIC PROPULSION SYSTEM

DRONES, MULTIROTOR APPLICATIONS, BOATS

10 kW
max continuous power

63 v
max voltage

25 Nm
max torque

8 000 RPM
max revolution per minute

CONTROLLER HBC25063-3 SPECIFICATIONS



max continuous power¹

15 kW



voltage

16-63 V



max continuous current¹

250 A



peak current

400 A



cooling¹

air/fluid



monitoring

complex data monitoring



MOTOR RET20 SPECIFICATIONS



torque

25 Nm



max power¹

13 kW



rpm²

8 000



max continuous power¹

7-10 kW



diameter

169 mm



voltage

63-400 V



motor sensors

**sensored/
sensorless**



cooling

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

RET20 and HBC25063-3 is a great combination of high-performance controller with very low weight motor which brings a great advantage to the projects where the weight is crucial. Our customers use this combination successfully in multirotor applications as well as unmanned and firefighter drones. It performs great in electric motorcycles as well as in marine projects such as small electric boats, etc. Thanks to the specific construction of the RET20 it is very variable for integration into a large scale of applications.

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