



# 25 kW ELECTRIC PROPULSION SYSTEM

GLIDERS, ULTRALIGHTS, DRONES, E-VTOLS

**25 kW**

max continuous power

**120 V**

max voltage

**100 Nm**

max torque

**8 000 RPM**

max revolution per minute

## CONTROLLER HBC280120-3 SPECIFICATIONS



max continuous power<sup>1</sup>

**33 kW**



voltage

**16-120 V**



max continuous current<sup>1</sup>

**280 A**



peak current

**400 A**



cooling<sup>1</sup>

**air/fluid**



monitoring

**complex data monitoring**



## MOTOR RET60 SPECIFICATIONS



torque

**100 Nm**



rpm<sup>2</sup>

**8 000**



diameter

**169 mm**



motor sensors

**sensored/  
sensorless**



max power<sup>1</sup>

**35 kW**



max continuous power<sup>1</sup>

**20-25 kW**



voltage

**63-800 V**



cooling

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

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

<sup>1</sup>depends on voltage and rpm

<sup>2</sup>rpm out of this range needs to be discussed with MGM COMPRO

RET60 and HBC280120-3 is a great combination of a high-performance controller and motor with high revolutions ranging up to 8000 rpm. This serves well especially with small diameter propellers in aviation projects like gliders, ultralights, drones, and e-VTOLS. This propulsion system unit finds a great use in applications with very limited space and low-weight demand such as boats, ground vehicles, multirotor applications, and many other challenging projects.

AIRBUS  
GROUP

XTI  
AIRCRAFT



Bell Helicopter



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