



B23 Energetic

First to be Certified Part-23 Electric Trainer Aircraft

Aircraft Deliveries Starting in 2027
In USA and Canada

Performance

70 minutes of endurance, including reserves ¹
(+/- 10 percents)

Standard pilot training mission: 6 flight circuits ²

Payload: 397 lbs

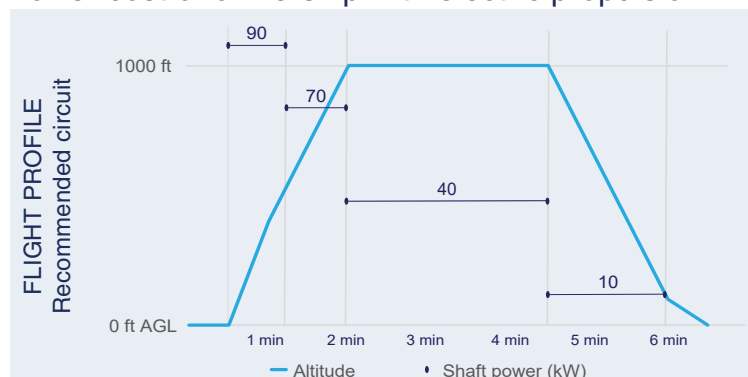
Climb rate (at MTO): 800 feet/min ³

Stall speed: 47 Kts - 54 mph ⁴

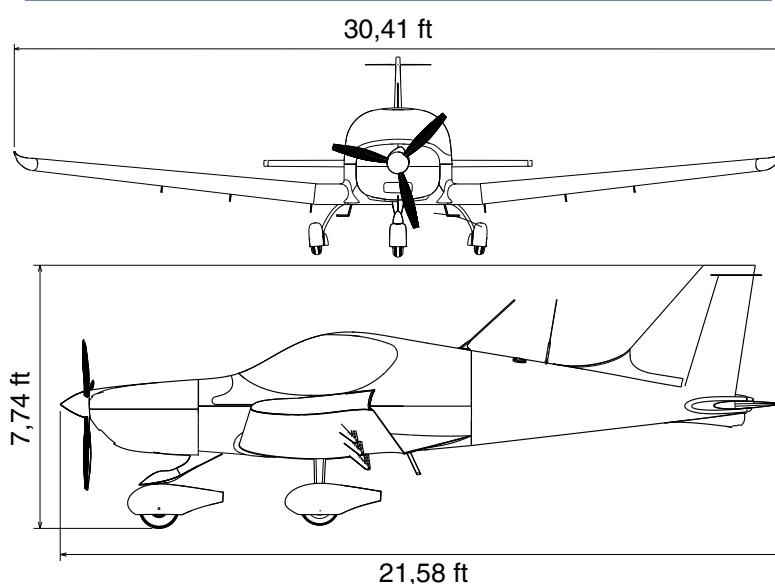
Max cruise speed (at MCP): 110Kts - 124 mph ³

Charging time: 1/1 ratio use/charge time ⁵

Lower cost of ownership with electric propulsion



Dimensions



Equipment

Motor and energy data display

Flight display: dual Garmin G5, attitude, airspeed, altitude, side slip and magnetic heading incl. backup battery

Radio: Garmin GTR205

Transponder: Garmin

Angle of attack indicator: Garmin GI260

Flight controls on sticks

RPM, clock and voltage/current indicators

¹ at recommended take-off power

² based on traffic pattern illustrated in the graph

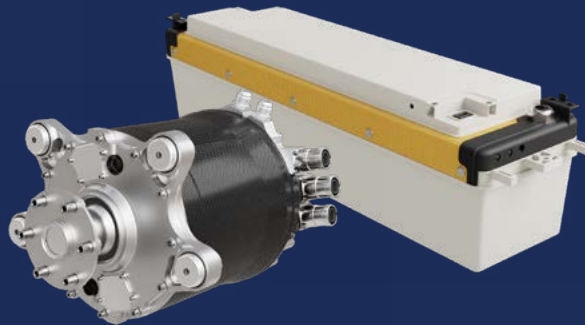
³ as tested in the current prototype

⁴ a marginal increase is expected due to the increased MTOW

⁵ depending on environmental conditions and charger performance



Electric Propulsion System



Battery pack
Power and protection distribution unit
Motor
Motor controller

Power management interface
Energy management interface
Power control



Technical Parameters

Single electric motor, MTOP 90 kW / 104 kW available ¹, MCP 80 kW, liquid cooled

48 kWh of usable energy

Rechargeable lithium batteries distributed in two redundant packs permanently installed

1500+ flight hours, depending on usage

Warning panel for vital battery and propulsion parameters

Charging Parameters

Charger power: 50 kW
for optimized charging time ²

Charging with standard commercially available CCS-1 DC automotive charger

¹ Recommended for grass runway only

² Charging time depends on environmental conditions and charger performance

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BRISTELL B23

About BRM

BRM is a Czech aircraft manufacturer created in 2009. With 5 models available, BRM produces more than 100 aircrafts yearly. BRM AERO's priority is its emphasis on innovation, continuously introducing new developments to its product line. With the B23 Energic, BRM positions itself as a pioneer of the next aviation revolution.



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BRISTELL Energic

About H55

H55 is the leading enabler of electric aviation offering modular, lightweight and certified electric propulsion and battery management solutions to the aviation industry as to make air transport, quiet, clean and affordable. H55 supports its customers in integrating and customizing its technology solutions for a wide range of applications suitable for both existing airplane designs and future concepts such as VTOLs and e-commuter aircraft.



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