

### Model - Gabriel BK160-200

Where others see boundaries, we see opportunities. At **Blackshape**, we're not just building aircraft; we're redefining what's possible in aviation. By taking bold, unconventional approaches, we create progressive solutions that go beyond our customers' imaginations. Introducing the **FAA-certified Gabriel BK160-200**, the pinnacle of Italian design and manufacturing excellence and the aircraft of choice for discerning pilots who crave the

ultimate flying experience. The **Gabriel BK160-200** is crafted to maximize your comfort and ease of use, featuring thoughtful amenities that elevate your flying adventure. Its cutting-edge glass cockpit sets a new standard for modern aviation, while its superior performance and flight qualities deliver the exhilaration of flying a mini fighter jet. Feel the rush of superior flight and breathtaking performance with the **Gabriel BK160-200**

#### WEIGHT

- MTOM
- Max Baggage Weight
- Useful Load

1874 lb / 850 kg  
73 lb / 33 kg  
540 lb / 245 kg

1874 lb / 850 kg  
73 lb / 33 kg  
540 lb / 245 kg

#### POWERPLANT

- Engine
- Horsepower
- Cylinders
- Propeller

#### Lycoming IO-320-D1B

Lycoming IO-320-D1B  
160 hp  
4  
Hartzell 3 blade, Raptor Series  
Const. Speed, Var. Pitch

#### Rotax 916 iSc C24

160 hp MTO / 137 hp MCP  
160 hp MTO / 137 hp MCP  
4  
MT Propeller, MTV-6-RCF  
Const. Speed, Var. Pitch

#### PERFORMANCE

- Takeoff Distance to 50ft obstacle @MTOW, hard, dry surface+
- Rate of Climb @ MTOW, ISA-Sea level
- Stall speed with full flaps @MTOW
- Maximum Cruise Speed @ 6000 ft, MCP
- Never Exceed Speed
- Max. Operating Altitude
- Landing Distance from 50 ft obstacle @ MTOW, hard, dry surface
- Load Factor
- Max. Crosswind
- Max Range w/ full fuel @ 65% MCP, 6000 ft altitude
- Max Range w 180 kg flight crew @ 65% MCP, 6000 ft altitude
- Endurance w full fuel @ 75% MCP
- Endurance w 180 kg flight crew @ 75% MCP

500 m / 1640 ft  
6.9 m/s / 1400 ft/min

90 km/s / 49 kts  
278 km/h / 150 kts TAS  
333 km/h / 180 kts  
3505 m / 11.500 ft  
700 m / 2300 ft  
+4.4 / -2 g  
28 km/h / 15 kts  
870 km / 470 nm  
555 km / 300 nm  
2.6 h + 45 min reserve  
1.6 h + 45 min reserve

500 m / 1640 ft  
6.9 m/s / 1400 ft/min MTO  
5.4 m/s / 1100 ft/min MCP  
90 km/s / 49 kts  
283 km/h / 153 kts TAS  
333 km/h / 180 kts  
3810 m / 12500 ft  
700 m / 2300 ft  
+4.4 / -2 g  
28 km/h / 15 kts  
870 km / 470 nm  
555 km / 300 nm  
3 h + 45 min reserve  
2.5 h + 45 min reserve

### AVIONICS

#### W/ ASPEN AVIONICS

- Primary Flight Display: EFD1000 Pro, Aspen
- Multi Function Display: EFD1000 Pro, Aspen
- Engine Monitorin: EDM900, J.P. Instruments
- NAV1/COM1/GPS source: GTN650Xi, Garmin
- NAV2/COM2: GNC215 (GNC255A), Garmin
- Remote TPDR: GTX335R, Garmin
- Audio Panel: GMA342, Garmin
- ELT: E04 406/121.5 MHz, ACK Technologies
- Stick with PTT & Elevator Trim
- Panel and Map Lights for VFR Night

#### W/ GARMIN AVIONICS

- PFD/MFD: G3X, Touch with Engine monitoring system 10", Garmin
- Stand-by instrument: G5, Garmin
- NAV1/COM1: GNC215 (GNC255A)
- NAV1/COM1: GNC215 (GNC255A)
- TPDR: GTX345R, Mode-S, ADS-B In/Out, Garmin
- Audio Panel: 2xPMA8000E, PS Engineering
- ELT: E04 406/121.5 MHz, ACK Technologies
- Stick with PTT & Elevator Trim
- Panel and Map Lights for VFR Night

#### AIRFRAME & SYSTEMS

- 2 x 17 gal / 2 x 65 lt fuel tanks anti-blast
- Differential Brakes
- Electrically Actuated Landing Gear
- Full Carbon Fiber Structure
- Front and Rear Flight Controls
- Baggage Allowed up to 33 kg / 72 lb

#### CUSTOMIZATION

- Canvas or Alcantara seats
- Signature colors & livery or bespoke

#### SELECTABLE OPTIONALS

Rear cockpit avionics and features:

- EFIS, G5, Garmin
- Engine RPM & MAP, MT200KS
- Flap & LDG control
- Annunciator panel
- Master caution

KLR10 Lift Reserve Indicator

Selector Key: OFF-PASSENGER-TRAINING

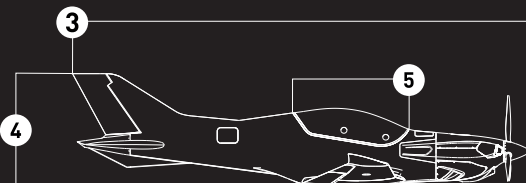
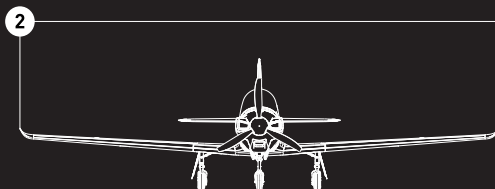
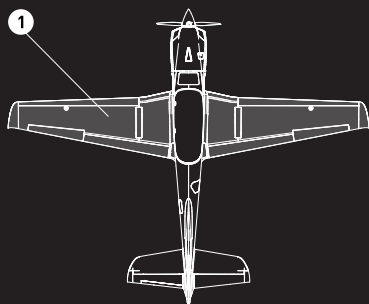
#### SELECTABLE OPTIONALS

Rear cockpit avionics and features:

- EFIS, G3X Touch with Engine monitoring system 7", Garmin
- Flap & LDG control
- Annunciator panel
- Master caution

Autopilot: 2-axis Garmin GFC 507

Selector Key: OFF-PASSENGER-TRAINING



DIMENSIONS - Gabriel	1 Wing Area	10.31m <sup>2</sup> / 110.98 ft <sup>2</sup>	3 Overall Length	7.44 m / 29 ft	5 Cabin Width	0.76 mt / 2.50 ft
		2 Wing Span	9.00 m / 29 ft	4 Overall Height	2.45 m / 8 ft	