



 **BRISTELL**



B23 MISSION

BRISTELL B23

“It is great trainer for flight schools worldwide,” said Milan Bristela, founder and CEO of the company. “The airplane looks very beautiful and when pilots or future pilots fly a Bristell, after a few minutes they LOVE the airplane very much. Everybody, once they have tried a Bristell, doesn’t want to fly with anything else.”

WHY?

- Very good flight and stall characteristics
- Night VFR certified, ready for IFR MCR upgrade
- Strong structure
- Roomy and very ergonomic cockpit, 125cm wide inside, good for long distance flying or teaching every day.
- Rotax 912S, 100HP with very low operating costs
- 3-blade hydraulic adjustable MT propeller - very low noise and optimum performance
- Students can learn how to operate with adjustable propeller during the training
- Dual hydraulic Goldfren brakes on the rudder pedals
- Push rods in aileron and elevator controls
- Modern full glass cockpit with dual Garmin G3X screens
- Garmin autopilot with GMC 307 control panel and Blue LEVEL button





BASIC EQUIPMENT

BRISTELL B23 RTF CS-23-Light,
912 S3 - 100Hp,
painted in white,
Night VFR
Included all documents
for registration
Flight manual,
Maintenance manual,
Engine Manual

EQUIPMENT

ROTAX 912 S3 (100HP) engine, carb. heat., slipper clutch, water, oil therm.
In flight adjustable propeller MTV-34-1-A/175-200 hydraulic constant speed
Locking canopy, locking fuel tank caps
Adjustable fresh air ventilation system, AVEO vents Airmax(silver/black)
Cockpit upholstery, two map pockets and arm rest box
Hydraulic differential disk brakes installed on both sides on rudder pedals
Rudder pedals steerable nose wheel
Electric elevator trim
Electric flap control system
Four point seat belts Am Safe
Luggage compartment behind the seats
Tinted canopy
Canopy protection cover
Auxiliary fuel pump
Adjustable rudder pedals - three positions
Parking brake
Light weight wheels 5,00-5 10 PLY + in line ballanced anti-lock regulator
Cabin heat with demisting system
Electric aileron trim
Wheel fairings
Rescue system BRS
Noise insulation of firewall
Special leather upholstary - including sleeve strips
Leather upholstered glare shield
Landing light mounted in the wing
Wing strobes and navigation lights
Wing lockers
Tail mounted strobe Whelen MB 1
Tail skid



INSTRUMENTS - NAVIGATION

- L 3 ESI-500 + DCM + Inst. Kit + L-3 MAG 500 + inst. Kit
- Garmin GNC 255A NAV/COM + VOR antenna
- Garmin G3X GDU 460 Dual + GSU 25 ADAHRS + GMU 22 + GEA 24 + GTP 59
- Garmin GTX 345R, GPS 20A WAAS/GPS Pos. + GA 35A
- Garmin G3X Install Kit
- Garmin GSA 28 servos
- Garmin GMC 307 autopilot control panel
- Garmin GAP 26 AOA probe heated
- Back up battery for G3X, IBBS-12V-3AH
- Intercom PM 3000 stereo
- Tosten CS6 on both sticks + rele deck
- Led strip on the glare shield + dimmer
- BOSE Lemo connectors
- ELT KANAD 407

- Total price 199.000 €
- Four US market the price could be diferent due to shipment and custom fee

TECHNICAL PARAMETERS

Dimensions	
Wing span	9,13 m
Wing area	11,75 m ²
Wing loading	51,06 kg/m ²
Aircraft length	6,45 m
Aircraft height	2,28 m
Cabin width	1,3 m
Weights	
Empty weight	435 kg
Maximum take-off weight:	750 kg
Useful load	315 kg
Fuel tanks capacity	120 l
Fuselage luggage compartment	15 kg
Wing luggage compartment	2 x 20 kg
Load factorsy	+4/-2g
Operational speeds:	
Stall speed without flaps V_{S1}	48 KCAS
Stall speed with flaps V_{SO}	41 KCAS
Manoeuvring speed V_A	98 KEAS
Maximum flap speed V_F	81 KEAS
Maximum horizontal flight speed V_H	117 KTS
Never exceeded speed V_{NE}	156 KEAS
Climb speed:	
Clean V_y	75 KTS
ROC max	690 ft/min
V_x	60 KTS
FL 10 V_y	67 KTS
ROC max	732 ft/min
Take off distance Ground roll	363 m
Take off distance over 50ft obstacle	469 m
Landing distance Ground roll	134 m
Landing distance over 50ft obstacle	329 m
All above mentioned speeds measured on the maximum take-off weight 750Kg	



▲ In the basic equipment is Garmin instrument panel and Autopilot.

◀ 20Kg baggage compartment in each wing

▼ Hook for securing the plane when parking outside



▲ ◀ Hydraulic Constant speed MT-propeller

▲ Pitot heat in standard equipment



◀ Strong Whelen strobe lights with Brm landing lights for better night landing



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