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BRISTELL UK Ltd.

Great Britain, Ireland
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Infinity Explorer
Comercialização e Serviços Náuticos e Aeronáuticos Lda.
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Av. Helen Keller, 13, 4B
1400-197 Lisboa, Portugal
☎ +351 969 055 238
e-mail: por8320@gmail.com
e-mail: geral@aerolazer.pt

GORDIYON HAVACILIK FLIGHT TRAINING ORGANIZATION

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www.skydream.pl

MB AVIONICA

Lithuania, Latvia, Estonia
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Lithuania
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www.bristell.lt

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BRISTELL AERO-95

Ukraine
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Kulturny str., 14
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e-mail: ruslanzubar@gmail.com
www.bristell.com.ua
SCANDINAVIAN LIGHT SPORT AVIATION AB
Sweden, Norway, Finland, Denmark
Kvarnbergsvägen 17
746 93 Bålsta, Sweden
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e-mail: hakan.karlsson@lsas.se
www.lsas.se

USA, CARIBBEAN, CENTRAL AMERICA, SOUTHERN CANADA

SPORT FLYING USA

500 Airport Rd.
Suite D., Litzitz, PA 17543
Lancaster Airport USA
☎ +1 7173 718 677 (dir.)
+1 7177 351 600 (office)
John Rathmell
funtoffy1@gmail.com
Lou Mancuso, lou@bristell.us,
☎ +1 5166 581 847
www.bristell.us
www.bristellaircraft.com

AUSTRALIA, NEW ZEALAND, SOUTHERN ASIA/ PACIFIC

ANDERSON AVIATION

AUSTRALIA PTY Ltd.
Brett Anderson
82 Waterson Road, Gisborne
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e-mail: brett@andersonaviation.com.au
www.andersonaviation.com.au

ANDERSON AVIATION

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e-mail: info@bristell.co.za
ian@bristell.co.za
www.bristell.co.za

SOUTHERN AMERICA

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Rodrigo Guzman
Aeródromo Lipangue
Santiago, Chile
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☎ +(569)98 374 857
e-mail: info@ultrasport.cl
www.ultrasport.cl

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Argentina
Ernesto Acerbo
Aerodromo EAA Ildefonso Durana
Hangar N° 7, Provincia de Buenos Aires, Argentina
☎ 1165 430 892/1140 415 927
☎ +54 1140 415 927
e-mail: aviem aeronautica@gmail.com
www.aviem.com.ar

Julio Cesar Vizuate

Ecuador
González Suárez E7-126 y Bruning
☎ +593 2 2343519 ext 108 (work)
☎ +593 997 917 928
e-mail: jcvizuate@gmail.com

RUSSIA

ROSAVIATOR

Voronezh, Lizyukova 61 D, Russia
☎ +7 9102 857 777
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e-mail: mail@bristell.aero
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e-mail: ksagyro@gmail.com

ASIA

BRISTELL ISRAEL

Israel
Zeev Kaplan
☎ +97 2525 770 147
e-mail: kaplanzeev@hotmail.com



CONTACT US

BRM AERO, Ltd.
Letecká 255, 686 04 Kunovice, Czech Republic, Europe
Phone: +420 773 984 338, E-mail: info@brmaero.com

www.bristell.com





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
- Strong structure
- Roomy and very ergonomic cockpit, 130 cm 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 BERINGER 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 - 100 Hp, 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
 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
 Parking brake
 Light weight BERINGER wheels 5,00-5
 Cabin heat with demisting system
 Electric aileron trim
 Wheel fairings
 Rescue system BRS
 Noise insulation of firewall
 Special leather upholstery - including sleeve strips
 Leather upholstered glare shield
 Landing light mounted in the wing
 Wing strobes and navigation lights
 Wing lockers
 Tail skid

INSTRUMENTS - NAVIGATION

- L 3 ESI-500 + DCM + Inst. Kit + L-3 MAG 500 + inst. Kit
- Garmin GNC 255A NAV/COM + VOR antenna + 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	445 kg
Maximum take-off weight:	750 kg
Useful load	305 kg
Fuel tanks capacity	120 l
Fuselage luggage compartment	15 kg
Wing luggage compartment	2 x 20 kg
Load factors	+4/-2g
Operational speeds:	
Stall speed without flaps V_{S1}	48 KCAS
Stall speed with flaps V_{S0}	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



- ▲ Hydraulic Constan speed MT-propeller
- ▲ Pitot heat in standard equipment
- ▲ Strong Whelen strobe lights with Brm landing lights for better night landing



The data introduced in this leaflet are informative only.