



BRISTELL B23 BRISTELL B23 TURBO

750 KG MTOW | 300 KG USEFUL LOAD
ROTAX 912/912 iSc / 915 iSc

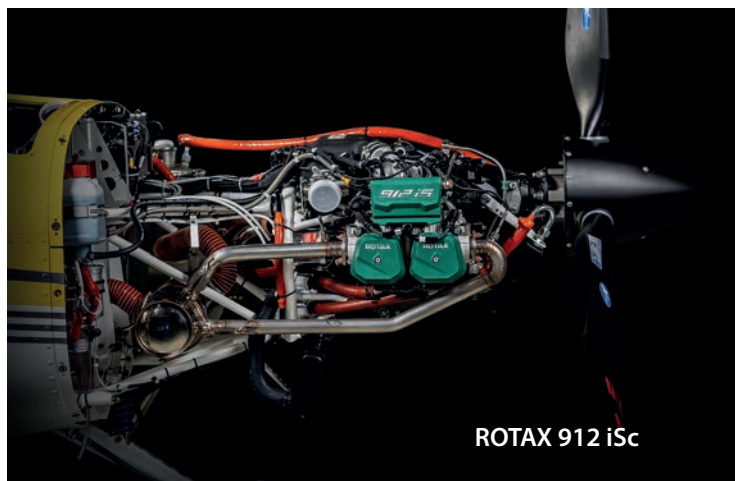
BRISTELL, the Czech light aircraft manufacturer which has produced more than 670 aircraft by the end of 2021, has launched the BRISTELL B23, its next generation low-wing airplane. The B23 has been designed to satisfy the European CS23 / U.S. FAR23 certification basis. BRISTELL says they "had listened to feedback from happy customers from around the world" before designing the new aircraft.

While the airplane looks very similar to the classic BRISTELL LSA, there is far more to the new design. The fuselage is longer and the tail with an aluminium rudder is larger; the flaps and stabiliser are bigger and more efficient; the composite main landing gear legs have been redesigned completely to enable them to carry much heavier loads than previous Bristell models; and the aircraft's handling characteristics are much improved too. In addition, the twin elevator trim tab function helps the pilot to optimise the forces on the control stick.

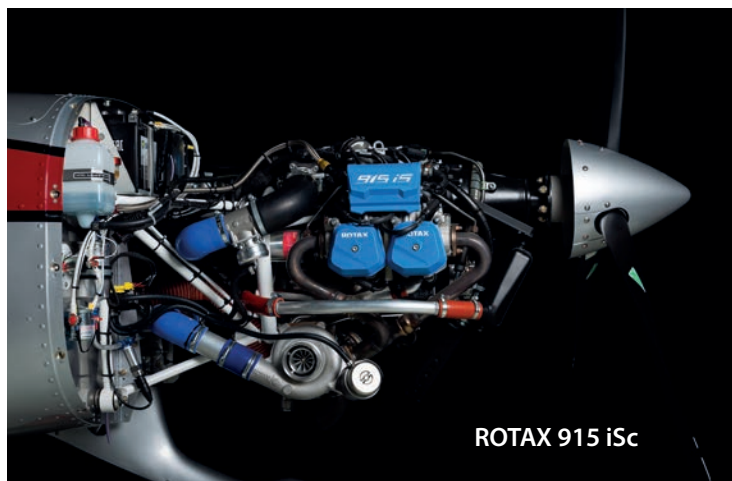
The basic equipment includes a steerable nose wheel and a BRS ballistic parachute rescue system. The standard-equipped aircraft also meets the night-VFR requirements and can be upgraded to meet IFR requirements.



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Dimensions			
Wing span		9.274 m	
Aircraft length		6.585 m	
Aircraft height		2.36 m	
Cabin width		1.3 m	
Weight			
Empty weight		450 kg	465 kg
Useful load		300 kg	285 kg
Fuel tanks capacity		120 l	
Fuselage luggage compartment		15 kg	
Wing luggage compartment		2 x 20 kg	
Load factor		+4/-2g	
Airspeed, Climb and Cruise performance			
Manoeuvring speed V _A		98 KCAS	
Max. flap speed V _{FE}		81 KCAS	
Max. horizontal flight speed V _H		117 KTAS	FL140 157 KTAS
Never exceeded speed V _{NE}		156 KCAS	
Best rate of climb speed Vy (flaps retracted), MTOP		74 KIAS	82 KIAS
Best rate of climb (flaps retracted), MTOP		700 ft / min	1260 ft / min
Best angle of climb speed Vx, MTOP		62 KIAS	66 KIAS
Best rate of climb speed Vy (flaps 10 °), MTOP		76 KIAS	84 KIAS
Best rate of climb (flaps 10 °), MTOP		634 ft / min	1195 ft / min
Take-off distance (ground roll)		365 m	176 m
Take-off distance over 15m (50ft) obstacle		479 m	331 m
Landing distance (ground roll)		146 m	
Landing distance from 15m (50ft) height		391 m	
All data at MTOW 750 kg			



ROTAX 912 iSc



ROTAX 915 iSc