



THE KING OF PAYLOAD

AND PERFORMANCE



performance, versatility and ruggedness



Technical Specifications

WEIGHT AND BALANCE	GROSS WEIGHT Standard Model FBA-2C3		GROSS WEIGHT Turbo Model FBA-2C3T	
	Maximum Take-Off Weight (MTOW)	3,800 lb	1,724 kg	3,800 lb
Basic Empty Weight*	2,300 lb	1,034 kg	2,400 lb	1,089 kg
Useful Load	1,500 lb	680 kg	1,400 lb	635 kg
SPEEDS				
Cruise Speed (True Air Speed)	156 ktas	289 km/h	170 ktas	315 km/h
Cruise Altitude	8,000 ft	2,438 m	20,000 ft	6,096 m
Stall Speed	54 kcas	100 km/h	54 kcas	100 km/h
RANGE				
Max Range	750 nm	1,389 km	798 nm	1,478 km
Max Endurance	6.5 hrs		6.5 hrs	
Fuel Capacity (useable)	98.3 US gallons	372 litres	98.3 US gallons	372 litres
Payload at Max Fuel	900 lbs	408 kg	800 lbs	363 kg
TAKE-OFF AND LANDING PERFORMANCE				
Take-off Roll at Sea Level	775 ft	236 m	777 ft	237 m
Take-off 50 (ft) Obstacle at Sea Level	1,286 ft	392 m	1,297 ft	395 m
Landing Ground Roll at Sea Level	608 ft	185 m	608 ft	185 m
Landing Distance from 15 m (50 ft)	1,478 ft	450 m	1,478 ft	450 m
CLIMB				
Rate of Climb at Sea Level	1,091 fpm	333 mpm	1,058 fpm	322 mpm
Rate of Climb at 5,000 feet	835 fpm	255 mpm	1,000 fpm	305 mpm
NORMAL LOAD FACTORS				
Wing Loading	20.5 lbs/ft ²	100 kg/m ²	20.5 lbs/ft ²	100 kg/m ²
Power Loading	12.1 lbs/shp	5.5 kg/shp	11.9 lbs/shp	5.4 kg/shp
ENGINE				
Engine	Lycoming IO-580-B1A		Lycoming TIO-540 AH1A	
Horsepower	315 hp @ 2700 rpm		300 hp @ 2500 rpm	
FEATURES				
Seats	5, including pilot			
Cabin Doors	4			
Cabin Width	53 in	1.35 m		
Cabin Height	50 in	1.27 m		
Cabin Length	114 in	2.90 m		
Wingspan (ft)	38'2 in	0.97 m		
FLOATS				
Seaplane Aerocet 3500L (MTOW)**	3,800 lb	1,724 kg		
Amphibious Aerocet 3400 (MTOW)***	3,775 lb	1,712 kg		

The FBA-2C3 Expedition E-350 is only approved for the above floats

* Basic Empty Weight is complete aircraft, without optional equipment, but including engine oil and unusable fuel.

** They do not have any retractable wheels and therefore can only operate on water.

*** Equipped with retractable wheels which means they can operate off water or land.

† The cabin length is 114 in (2.90 m) with the co-pilot seat removed; for carrying oversized items. An additional 14" (0.36 m) may be obtained by removing the co-pilot rudder pedals.



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