

# 2006 Diamond DA20-C1 Eclipse Aircraft Specifications

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Engine make/model:	Continental IQ-240B3B
Horsepower on takeoff:	125
TBO hrs.:	2000
Fuel type:	100/100LL
Propeller:	Sensenich FP
Landing gear type:	Tri/Fixed
Max ramp weight (lbs.)	1764
Gross weight (lbs.):	1764
Landing weight (lbs.):	1764
Empty weight, std. (lbs.):	1164
Useful load, std. (lbs.):	600
Useful fuel, std. (gals.):	24
Payload, full std. fuel (lbs.):	456
Wingspan:	35 ft. 8 in.
Overall length:	23 ft. 6 in.
Height:	7 ft. 2 in.
Wing area (sq. ft.):	125

Wing loading (lbs./sq. ft.):	14.1
Power loading (lbs./hp):	14.1
Wheel size (in.):	6.00 x 6
Seating capacity:	2

### **PERFORMANCE**

Cruise speed (kts.):	
• 75% power:	138
• 65% power:	130
Fuel consumption (gph):	
• 75% power:	5.5
• 65% power:	4.8
Vs (kts.):	45
Best rate of climb, SL (fpm):	1000
Maximum Operating Altitude (ft.):	13,120
Takeoff ground roll (ft.):	1280
Takeoff over 50-ft. obstacle (ft.):	1640
Landing ground roll (ft.):	661
Landing over 50-ft. obstacle (ft.):	1360