

Bellanca 17-30A Super Viking	
Specifications	
Powerplant	Continental IO-520K, 300 hp (5-minute limitation) @ 2,850 rpm 285 hp maximum continuous @ 2,700 rpm
Recommended TBO	2,000 hr
Propeller	McCauley constant-speed, three-blade, 78-inch diameter
Length	26 ft 4 in
Height	7 ft 4 in
Wingspan	34 ft 2 in
Wing area	61.5 sq ft
Wing loading	20.59 lb/sq ft
Power loading	11.8 lb/hp
Seats	4
Cabin length	9 ft 8 in
Cabin width	3 ft 4.5 in
Cabin height	3 ft 7.5 in
Empty weight, as tested	2,312 lb
Gross weight	3,325 lb
Useful load, as tested	1105 lb
Payload w/full fuel, as tested	650 lb
Fuel capacity, w/Aux Tank	75 gal (75 gal usable) 450 lb (408 lb usable)
Oil capacity	12 qt
Baggage capacity	186 lb
Performance	
Takeoff distance, ground roll	980 ft

Takeoff distance over 50-ft obstacle	1,420 ft
Max demonstrated crosswind component	17 kt
Rate of climb, sea level	1,200 fpm
Cruise speed/endurance w/45-min rsv, std fuel (fuel consumption, ea engine)	
@ 75% power, best economy, 7,500 ft	172 kt/4.5 hr (94.2 pph/15.7 gph)
@ 65% power, best economy, 10,000 ft	165 kt/5.3 hr (81 pph/13.5 gph)
Max operating altitude	24,000 ft
Service ceiling	18,200 ft
Landing distance over 50-ft obstacle	1,340 ft
Landing distance, ground roll	835 ft
<b>Limiting and Recommended Airspeeds</b>	
VX (best angle of climb)	65 KIAS (75 mph)
VY (best rate of climb)	96 KIAS (110 mph)
VA (design maneuvering)	129 KIAS (148 mph)
VFE (max flap extended)	104 KIAS (120 mph)
VLE (max gear extended)	139 KIAS (160 mph)
VLO (max gear operating)	
Extend	139 KIAS (160 mph)
VNO (max structural cruising)	165 KIAS (190 mph)
VNE (never exceed)	196 KIAS (226 mph)
VS1 (stall, clean)	66 KIAS (76 mph)
VSO (stall, in landing configuration)	57 KIAS (66 mph)