

Late '70-'71-'72

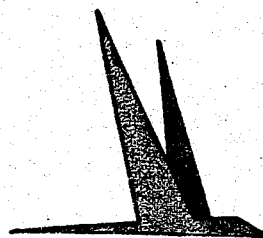
OWNER'S MANUAL SUPER VIKING



BELLANCA

Aircraft Corporation

Alexandria, Minnesota



CONGRATULATIONS

Your choice of a new BELLANCA SUPER VIKING series aircraft is a wise one. You join the ranks of proud owners of BELLANCAS that started way back in 1908 when Guieseppi Bellanca built his first model in Italy, and in this country since 1912.

The BELLANCA SUPER VIKING is one of the easiest aircraft to fly ever built.

Even though it cruises in the 200 mph class it is docile and easy to handle. At any point in its flight regime it requires no more than average skill so you'll relax and enjoy flying more.

The SUPER VIKING won the coveted "Plane Of The Year" award in 1967.

To best fly the VIKING you should follow the owners manual because in many respects it is different from other planes.

SPECIFICATIONS

The BELLANCA SUPER VIKING exceeds FAA regulations, part 23, for air-worthiness. It is licensed in the normal category and must be operated in accordance with FAA approved markings, placards, and check lists in the airplane.

Airspeed Limits: (Calibrated Airspeed) All figures IAS

Red Line (Never Exceed)	226 mph
Caution Range (Yellow Arc)	190 to 226 mph
Normal Operating Range (Green Arc)	78 to 190 mph
Flap Operating Range (White Arc)	Up to 120 mph
Maximum Design Maneuvering Speed*	150 mph
Maximum Design Cruising Speed	190 mph
Maximum Gear Operating Speed	140 mph
Rate of Climb	1210 fpm
Best Rate of Climb Speed	110 mph
Best Angle of Climb Speed	101 mph
Service Ceiling	24500 feet
Fuel Consumption	14 gph @ 75% @ 6500'
Fuel Capacity, Standard Viking 300	58 gallons
With Added Wing Tanks	92 gallons
Fuel Capacity, Super VIKING 300	72 gallons
Cruising Range (See Charts)	up to 1400 + miles
Engine Continental IO 520 D, or IO 520 K	
Hp and rpm	300 hp @ 2850 rpm
	285 hp @ 2700 rpm

FUEL CONTROLS

1. One Tank Selector Valve controls the flow of fuel from the two wing tanks and from the auxiliary tank. The auxiliary tank is to be used in level flight only. This valve also controls the flow of the fuel return lines to the fuel tank that is being used.

Note: In the event a fuel tank has been run dry and is refueled with fuel selector valve OFF, or set on other than noted tank, it is possible to have air in the lines. This should be eliminated by running up engine on Noted Tank or Tanks before TAKE-OFF.

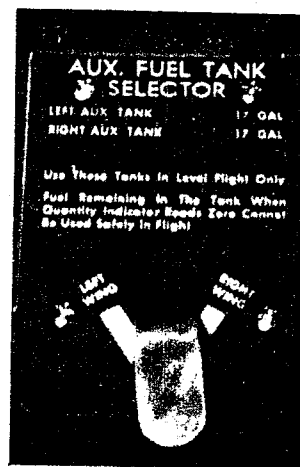
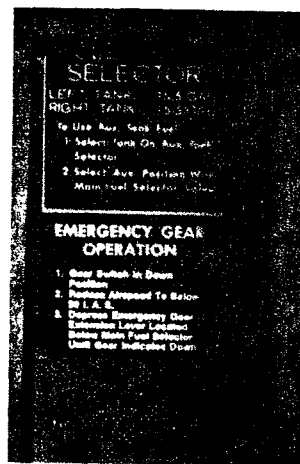
2. On Standard Vikings with extra wing aux tanks an additional valve is on the floor. On these models the fuel selector valve between the seats is set to Aux position. Then on valve on floor either wing Aux or Fuselage Aux is selected.

3. On Super Viking models the floor valve controls fuel from either right or left wing Aux tanks. There is no fuselage Aux tank on the Super Viking.

4. Electrical Auxiliary Fuel Pump is installed to assist in starting by providing fuel pressure before starting engine, and for emergency use in event of engine fuel pump failure. Do not use in normal flight.

5. Throttle adjusts engine power. A vernier knob can be either screwed in for fine adjustments or pushed in quickly by depressing the center button.

6. Mixture control regulates the pressure of fuel from the injector valve to the engine cylinders. It is equipped with a vernier control that operates identically to the throttle. To identify it the color is red.



CRUISE PERFORMANCE

Model No. 17-30A (Cont.)

Standard Conditions, Zero Wind
Gross Wt. 3325 lbs.

2,500 FEET

Recommended Lean Mixture
No Reserve

RPM	M.P. IN. HG.	% BHP	TAS. M.P.H.	GAL./ HR.	60 Gal. Fuel		75 Gal. Fuel	
					Endurance	Range	Endurance	Range
2600	24	77	182	16.1	3.7	675	4.7	845
	23	73	178	15.3	3.9	700	4.9	875
	22	69	175	14.4	4.2	730	5.2	915
	21	65	170	13.1	4.4	750	5.5	940
2500	25	78	183	16.3	3.7	675	4.6	845
	24	74	179	15.4	3.9	695	4.9	870
	23	70	175	14.5	4.1	725	5.2	905
	22	65	170	13.6	4.4	750	5.5	940
2400	25	73	178	15.3	3.9	700	4.9	875
	24	70	175	14.5	4.1	725	5.2	905
	23	65	170	13.6	4.4	750	5.5	940
	22	62	166	12.9	4.7	770	5.8	965
2300	25	68	173	14.3	4.2	725	5.2	905
	24	65	170	13.8	4.4	750	5.5	940
	23	61	165	12.8	4.7	775	5.9	970
	22	58	160	12.0	5.0	800	6.2	1000
	21	54	154	11.3	5.3	820	6.6	1025
	20	51	148	10.8	5.6	810	6.9	1015
	19	47	137	10.3	5.8	800	7.3	1000
	18	44	125	9.5	6.3	790	7.9	985