

AEROSTARS

Model Comparison Chart

	600/600A	601/601A	601B/601P	602P	700P
Price when new	\$93,500 to \$324,000	\$112,500 to \$164,900	\$186,000 to \$323,760	\$333,500 to \$408,890	\$499,300 to \$514,280
Specifications					
Powerplants	2 Lyc. IO-540-G1B5 (600) 2 Lyc. IO-540-K1F5 (600A) 290 hp @ 2,575 rpm	2 Lyc. IO-540-P1A5 (601) 2 Lyc. IO-540-S1A5 (601A) 290 hp @ 2,575 rpm	2 Lyc. IO-540-S1A5 290 hp @ 2,575 rpm	2 Lyc. IO-540-AA1A5 290 hp @ 2,425 rpm	2 Lyc. TIO-540-U2A 350 hp @ 2,500 rpm
Recommended TBO (hrs)	(G1B5) 1,400 (600) (K1F5) 2,000 (600A)	(P1A5) 1,400 (601) (S1A5) 2,000 (601A)	(S1A5) 1,800	(AA1A5) 1,800	(U2A) 1,800
Turbochargers Part No. (2)	NA	600532-01/02	Low Alt 600574-01/02 High Alt 600575-01/02	600626-01/02	600803-01/02
Propellers	2 Hartzell full-feathering 3-blade, 78 in dia	2 Hartzell full-feathering 3-blade, 78 in dia	2 Hartzell full-feathering 3-blade, 78 in dia	2 Hartzell full-feathering 3-blade, 78 in dia	2 Hartzell full-feathering 3-blade, 76 in dia
Recommended TBO (hrs)	1,500 (or 4 yr)	1,500 (or 4 yr)	1,500 (or 4 yr)	1,500 (or 4 yr)	1,500 (or 4 yr)
Length (ft)	34.8	34.8	34.8	34.8	34.8
Height (ft)	12.1	12.1	12.1	12.1	12.1
Wingspan (ft)	34.2	34.2	36.7	36.7	36.7
Wing area (sq ft)	170	170	178	178	178
Wing loading (lb/sq ft)	32.4	33.5	33.7	33.7	35.4
Power loading (lb/hp)	9.5	9.8	10.3	10.3	9.02
Seats	6	6	6	6	6
Cabin length (ft)	12.5	12.5	12.5	12.5	12.5
Cabin width (ft)	3.8	3.8	3.8	3.8	3.8
Cabin height (ft)	4	4	4	4	4
Max ramp weight (lb)	5,525	5,700	6,025	6,029	6,356
Max takeoff weight (lb)	5,500	5,700	6,000	6,000	6,315
Max landing weight (lb)	5,500	5,700	6,000	6,000	6,000
Zero fuel weight (lb)	5,400	NA	5,900	5,900	6,050
Empty weight (lb)	3,560	3,730	4,000	4,125	4,221
Max useful load (lb)	1,965	1,970	2,025	1,904	2,135
Payload w/full fuel (lb)	972	977	1,032	911	1,142
Fuel capacity (lbs/gal)	1,041/173.5	1,041/173.5	1,041/173.5	1,041/173.5	1,281/213.5
Fuel capacity-useable (lbs/gal)	993/165.5	993/165.5	993/165.5	993/165.5	1,233/205.5
Baggage capacity (lb/cu ft)	240/30	240/30	240/30	240/30	240/30
Performance					
Takeoff roll (ft)	1,550	1,645	1,900	1,800	1,950
Accelerate/stop (ft)	3,050	3,145	3,490	3,400	4,000
Rate of climb (fpm)	1,800	1,800	1,970	1,755	1,820
Single-engine ROC (fpm)	360	380	254	302	320
Cruise speed (KTAS)/	211/	237/	233/	229/	258/
Fuel consumption (gph)	33	29	36	37	51
@ power setting/altitude (ft)	70%/7,500	70%/20,000	74%/20,000	75%/20,000	81%/25,000
Max operating altitude (ft)	21,200	30,000	30,000(601B) 25,000(601P)	25,000	25,000
Single-engine svc ceiling (ft)	6,300	10,800	9,300	12,900	14,900
Landing roll (ft)	1,200	1,230	1,230	1,217	1,425
Limiting and Recommended Airspeeds (KIAS)					
Vmc (min control w/critical engine inoperative)	84	84	84	84	85
Vx (best angle of climb)	100	100	100	101	101
Vy (best rate of climb)	122	122	117	117	116
Vyse (best single-engine ROC)	113	113	109	117	116
Va (design maneuvering)	162	162	166	166	160
Vfe (max flap extended)	148	148	148	148	148
extend/retract	156/NA	156/NA	156/130	156/130	153/140
Vno (max structural cruising)	215	215	215	215	215
Vne (never exceed)	241	241	241	241	244
Vs1 (stall clean)	83	83	86	86	75
Vso (stall in landing configuration)	74	74	77	77	71

Figures based on standard day, standard atmosphere, sea level, gross weight conditions, unless otherwise noted