

**SINGLE-ENGINE PISTONS** NORMALLY ASPIRATED

Manufacturer		Cirrus Design	Textron Aviation	Cirrus Design	Textron Aviation	
Model		SR20	Cessna Skylane CE-182T	SR22	Beechcraft Bonanza G36 G36	
BCA Equipped Price		\$634,900	\$715,000	\$844,900	\$1,300,000	
Characteristics	Seating	1+3/4	1+3/3	1+3/4	1+5/5	
	Wing Loading	21.7	17.8	23.5	20.2	
	Power Loading	14.65	13.48	11.61	12.68	
	Noise (dBA)	83.4	77.7	83.7	76.7	
External Dimensions (ft.)	Length	26.0	29.0	26.0	27.5	
	Height	8.9	9.3	8.9	8.6	
	Span	38.3	36.0	38.3	33.5	
Internal Dimensions (ft.)	Length	8.0	7.2	8.0	12.6	
	Height	4.1	4.0	4.1	4.2	
	Width	4.1	3.5	4.1	3.5	
Power	Engine	Lyc IO-390-C3B6	Lyc IO-540-AB1A5	Cont IO-550-N	Cont IO-550-B	
	Output (hp)	215	230	310	300	
	Inspection Interval	2,000t	2,000t	2,000t	1,900t	
Weights (lb.)	Max Ramp	3,160	3,110	3,610	3,860	
	Max Takeoff	3,150	3,100	3,600	3,805	
	Max Landing	3,150	2,950	3,600	3,805	
	Zero Fuel	3,043b	2,986b	3,400c	3,665b	
	EOW	2,122	2,000	2,272	2,605	
	Max Payload	921	986	1,128	1,060	
	Useful Load	1,038	1,110	1,338	1,255	
	Max Baggage	130	200	130	670	
	Max Fuel	336	522	552	444	
	Available Payload w/Max Fuel	702	588	786	811	
Limits	VNE	201	175	205	203	
	VNO	164	140	176	165	
	VA	133	110	140	139	
Airport Performance	TO (SL elev./ISA temp.)	2,530	1,514	1,756	1,913	
	TO (5,000-ft. elev.@25C)	4,305	2,708	3,016	TBD	
	VSO	62	49	64	59	
	Vx	81	65	88	84	
	Vy	88	80	108	100	
Climb	Time to Climb (min.)/Altitude	20/FL 100	15/FL 100	11/FL 100	TBD/FL 100	
	Initial Gradient (ft./nm)	540	694	775	TBD	
Ceiling (ft.)	Service	17,500	18,100	17,500	18,500	
Cruise	Long Range	TAS	135	125	160	160
		Fuel Flow	53	61	68	71
		Altitude	FL 080	FL 100	FL 080	FL 080
		Specific Range	2,547	2,049	2,353	2,254
	Recommended	TAS	145	135	171	167
		Fuel Flow	61	69	92	86
		Altitude	FL 080	FL 100	FL 080	FL 080
		Specific Range	2,377	1,957	1,859	1,942
	High Speed	TAS	152	144	180	174
		Fuel Flow	71	76	107	93
		Altitude	FL 080	FL 060	FL 080	FL 080
		Specific Range	2,141	1,895	1,682	1,865
Ranges	Seats Full	Nautical Miles	672	723	1,118	217
		Average Speed	135	130	162	153
		Fuel Used	275	379	492	115
		Specific Range/Altitude	2.444/FL 080	1.908/FL 120	2.272/FL 080	1.887/FL 040
	Tanks Full	Nautical Miles	672	912	1,118	860
		Average Speed	135	131	162	159
		Fuel Used	275	471	492	403
		Specific Range/Altitude	2.444/FL 080	1.936/FL 120	2.272/FL 080	2.134/FL 080
Missions (4 occupants)	200 nm	Runway	1,685	1,249	1,303	1,665
		Block Time	1+26	1+37	1+09	1+11
		Fuel Used	112	123	127	130
		Specific Range/Altitude	1.786/FL 080	1.626/FL 120	1.575/FL 080	1.538/FL 060
	500 nm	Runway	1,685	1,402	1,519	1,858
		Block Time	3+30	3+52	2+49	2+54
		Fuel Used	245	269	305	304
		Specific Range/Altitude	2.041/FL 080	1.859/ FL 120	1.639/FL 080	1.645/FL 060
		Suggested Base Price	\$634,900	NA	\$844,900	NA
		Remarks	Certification Basis FAR 23, 2000 Includes Garmin Perspective Touch+.	FAR 23 A23-6, 1996/2001 Garmin G1000NXi with GFC 700 autopilot.	FAR 23, 2000 Includes Garmin Perspective Touch+.	CAR 3, 1956/69/83/2005 A/C system standard; Garmin G1000NXi.

### SINGLE-ENGINE PISTONS TURBOCHARGED

Manufacturer		Textron Aviation	Cirrus Design	Textron Aviation	
Model		Turbo Skylane CE-T182T	SR22T	Turbo Stationair HD CE-T206H	
<b>BCA Equipped Price</b>		\$820,000	\$969,900	\$990,000	
Characteristics	Seating	1+3/3	1+3/4	1+5/5	
	Wing Loading	17.8	23.5	21.8	
	Power Loading	13.19	11.43	12.22	
	Noise (dBA)	75.4	80.3	82.6	
External Dimensions (ft.)	Length	29.0	26.0	28.3	
	Height	9.3	8.9	9.3	
	Span	36.0	38.3	36.0	
Internal Dimensions (ft.)	Length	7.2	8.0	9.3	
	Height	4.0	4.1	4.1	
	Width	3.5	4.1	3.7	
Power	Engine	Lyc TIO-540-AK1A	Cont TSIO-550-K	Lyc TIO-540-AJ1A	
	Output (hp)	235	315	310	
	Inspection Interval	2,000t	2,000t	2,000t	
Weights (lb.)	Max Ramp	3,112	3,610	3,806	
	Max Takeoff	3,100	3,600	3,789	
	Max Landing	2,950	3,600	3,600	
	Zero Fuel	2,953b	3,400c	3,615b	
	EOW	2,114	2,354	2,365	
	Max Payload	839	1,046	1,250	
	Useful Load	998	1,256	1,441	
	Max Baggage	200	130	180	
	Max Fuel	522	552	522	
	Available Payload w/Max Fuel	476	704	919	
Limits	VNE	175	205	182	
	VNO	140	176	149	
	VA	110	140	125	
	TO (SL elev./ISA Temp.)	1,385	1,517	1,970	
Airport Performance	TO (5,000-ft. elev.@25C)	1,928	2,268	2,845	
	Vso	50	64	59	
	Vx	64	88	70	
	Vy	84	103	88	
	Time to Climb (min.)/Altitude	10/FL 100	7/FL 100	12/FL 100	
Climb	Initial Gradient (ft./nm)	743	782	724	
	Certificated	20,000	25,000	26,000	
Ceilings (ft.)	Service	20,000	25,000	26,000	
	Sea-Level Cabin			12,300	
Cruise	Long Range	TAS	132	171	137
		Fuel Flow	62	76	85
		Altitude	FL 200	FL 250	FL 240
	Recommended	Specific Range	2.129	2.250	1.612
		TAS	152	201	155
		Fuel Flow	77	98	99
	High Speed	Altitude	FL 200	FL 250	FL 240
		Specific Range	1.974	2.051	1.574
		TAS	165	213	164
Ranges	Seats Full	Fuel Flow	98	110	116
		Altitude	FL 200	FL 250	FL 200
		Specific Range	1.684	1.936	1.410
Tanks Full	Nautical Miles	520	1,021	465	
	Average Speed	134	171	137	
	Fuel Used	291	486	358	
Missions (4 occupants)	200 nm	Specific Range/Altitude	1.787/FL 200	2.101/FL 250	1.299/FL 200
		Nautical Miles	915	1,021	608
		Average Speed	134	171	138
	500 nm	Fuel Used	476	486	430
		Specific Range/Altitude	1.922/FL 200	2.101/FL 250	1.414/FL 240
		Runway	1,385	1,405	1,420
	200 nm	Block Time	1+24	1+08	1+23
		Fuel Used	144	197	163
		Specific Range/Altitude	1.389/FL 120	1.015/FL 100	1.227/FL 150
500 nm	Runway	1,385	1,699	1,626	
	Block Time	3+14	2+28	3+22	
	Fuel Used	319	360	386	
Remarks	Suggested Base Price	NA	\$969,900	NA	
	Certification Basis	FAR 23, 2006 Garmin G1000 NXI with GFC 700 autopilot standard.	FAR 23, 2010 Includes Garmin Perspective Touch+.	FAR 23, 1998 Garmin G1000 NXI with GFC 700 autopilot standard.	

### SINGLE-ENGINE PISTONS PRESSURIZED

Manufacturer		Piper Aircraft	
Model		M350 PA-46-350P	
<b>BCA Equipped Price</b>		\$2,060,000	
Characteristics	Seating	1+4/5	
	Wing Loading	24.8	
	Power Loading	12.40	
	Noise (dBA)	81.0	
External Dimensions (ft.)	Length	28.9	
	Height	11.3	
	Span	43.0	
Internal Dimensions (ft.)	Length	12.4	
	Height	3.9	
	Width	4.2	
Power	Engine	Lyc TIO-540-AE2A	
	Output (hp)	350	
	Inspection Interval	2,000t	
Weights (lb.)	Max Ramp	4,358	
	Max Takeoff	4,340	
	Max Landing	4,123	
	Zero Fuel	4,123c	
	EOW	3,146	
	Max Payload	977	
	Useful Load	1,212	
	Max Baggage	200	
	Max Fuel	720	
	Available Payload w/Max Fuel	492	
Limits	Available Fuel w/Max Payload	235	
	VNE	198	
	Vno	168	
	VA	133	
Airport Performance	PSI	5.5	
	TO (SL elev./ISA Temp.)	2,090	
	TO (5,000-ft. elev.@25C)	2,977	
	Vso	58	
	Vx	81	
Climb	Vy	110	
	Time to Climb (min.)/Altitude	8/FL 100	
Ceilings (ft.)	Initial Gradient (ft./nm)	703	
	Certificated	25,000	
Cruise	Long Range	Service	25,000
		TAS	156
		Fuel Flow	66
	Recommended	Altitude	FL 250
		Specific Range	2.364
		TAS	203
	High Speed	Fuel Flow	108
		Altitude	FL 250
		Specific Range	1.880
Ranges	Seats Full	TAS	213
		Fuel Flow	120
		Altitude	FL 250
Tanks Full	Specific Range	1.775	
	Nautical Miles	535	
	Average Speed	138	
Missions (4 occupants)	200 nm	Fuel Used	312
		Specific Range/Altitude	1.715/FL 120
		Nautical Miles	1,343
	500 nm	Average Speed	159
		Fuel Used	670
		Specific Range/Altitude	2.004/FL 250
	200 nm	Runway	2,090
		Block Time	1+06
		Fuel Used	167
500 nm	Specific Range/Altitude	1.198/FL 200	
	Runway	2,090	
	Block Time	2+31	
Remarks	Fuel Used	350	
	Suggested Base Price	\$17,979,000	
Certification Basis	FAR 23, 1983/88 Garmin G1000 NXI, GFC 700, GDL 60 with PlaneSync; pressurized and A/C.		

### MULTIENGINE PISTONS NORMALLY ASPIRATED

Manufacturer		Vulcanair SpA	Textron Aviation		
Model		P.68C	Beechcraft Baron G58		
<b>BCA Equipped Price</b>		\$1,730,000*	\$1,995,000		
Characteristics	Seating	1+5/6	1+5/5		
	Wing Loading	22.9	27.6		
	Power Loading	11.49	9.17		
	Noise (dBA)	74.7	77.6		
External Dimensions (ft.)	Length	31.3	29.8		
	Height	11.2	9.8		
	Span	39.4	37.8		
Internal Dimensions (ft.)	Length	10.6	12.6		
	Height	3.9	4.2		
	Width	3.8	3.5		
Power	Engines	2 Lyc 10-360-A1B6	2 Cont 10-550-C		
	Output (hp each)	200	300		
	Inspection Interval	2,000t	1,900t		
Weights (lb.)	Max Ramp	4,630	5,524		
	Max Takeoff	4,594	5,500		
	Max Landing	4,365	5,400		
	Zero Fuel	4,167c	5,210b		
	EOW	3,153	3,965		
	Max Payload	1,014	1,245		
	Useful Load	1,477	1,559		
	Max Fuel	1,063	1,164		
	Available Payload w/Max Fuel	415	395		
Available Fuel w/Max Payload	463	314			
Limits	VNE	194	223		
	VNO	154	195		
	VA	132	156		
Airport Performance	TO (SL elev./ISA Temp.)	1,312	2,345		
	TO (5,000-ft. elev.@25C)	4,000	4,144		
	A/S (SL elev./ISA)	2,150	3,009		
	A/S (5,000-ft. elev.@25C)	2,950	4,335		
	VMCA	60	84		
	VDEC	70	85		
Climb	Time to Climb (min./Altitude)	12/FL 100	10/FL 100		
	Initial Engine-Out Rate (fpm)	217	390		
	Initial All-Engine Gradient (ft./nm)	1,100	988		
	Initial Engine-Out Gradient (ft./nm)	147	232		
Ceilings (ft.)	Certificated	—	—		
	All-Engine Service	18,000	20,688		
	Engine-Out Service	5,000	7,284		
Cruise	Long Range	TAS	144	185	
		Fuel Flow	94	144	
		Altitude	FL 080	FL 080	
	Recommended	Specific Range	1.532	1.285	
		TAS	155	192	
		Fuel Flow	108	174	
	High Speed	Altitude	FL 080	FL 080	
		Specific Range	1.435	1.103	
		TAS	162	200	
Ranges	Max Payload	Nautical Miles	300	250	
		Average Speed	140	174	
		Trip Fuel	315	231	
		Specific Range/Altitude	0.952/FL 080	1.082/FL 040	
Missions (4 occupants)	200 nm	Nautical Miles	1,000	1,480	
		Average Speed	145	180	
		Trip Fuel	975	1,081	
		Specific Range/Altitude	1.026/FL 080	1.369/FL 120	
Remarks	200 nm	Runway	1,450	2,861	
		Block Time	1+28	1+02	
		Fuel Used	140	226	
	500 nm	Specific Range/Altitude	1.429/FL 080	0.885/FL 060	
		Runway	1,500	2,940	
		Block Time	3+25	2+31	
			Fuel Used	375	531
			Specific Range/Altitude	1.333/FL 080	0.942/FL 060
			Suggested Base Price	\$1,730,000	NA
Remarks		Certification Basis	FAR 23, 1976/80 Garmin G1000 NXi with GFC 700 autopilot. *BCA estimated price.	CAR 3 1957/69/83/2005 A/C system standard; Garmin G1000 NXi; max-payload mission flown with six occupants.	

### MULTIENGINE PISTONS TURBOCHARGED

Manufacturer		Vulcanair SpA	
Model		P.68C TC	
<b>BCA Equipped Price</b>		\$1,875,000*	
Characteristics	Seating	1+5/5	
	Wing Loading	20.7	
	Power Loading	10.94	
	Noise (dBA)	74.7	
External Dimensions (ft.)	Length	31.3	
	Height	11.2	
	Span	39.4	
Internal Dimensions (ft.)	Length	10.6	
	Height	3.9	
	Width	3.8	
Power	Engines	2 Lyc T10-360-C1A6D	
	Output (hp each)	210	
	Inspection Interval	2,000t	
Weights (lb.)	Max Ramp	4,630	
	Max Takeoff	4,594	
	Max Landing	4,365	
	Zero Fuel	4,140b	
	EOW	3,197	
	Max Payload	943	
	Useful Load	1,433	
	Max Fuel	1,062	
	Available Payload w/Max Fuel	371	
Available Fuel w/Max Payload	490		
Limits	VNE	194	
	VNO	154	
	VA	132	
Airport Performance	TO (SL elev./ISA temp.)	1,260	
	TO (5,000-ft. elev.@25C)	2,200	
	A/S (SL elev./ISA)	1,800	
	A/S (5,000-ft. elev.@25C)	2,400	
	VMCA	66	
	VDEC	NA	
Climb	Time to Climb (min./Altitude)	10/FL 100	
	Initial Engine-Out Rate (fpm)	240	
	Initial All-Engine Gradient (ft./nm)	1,400	
	Initial Engine-Out Gradient (ft./nm)	NA	
Ceilings (ft.)	Certificated	20,000	
	All-Engine Service	20,000	
	Engine-Out Service	10,000	
Cruise	Long Range	TAS	144
		Fuel Flow	104
		Altitude	FL 080
	Recommended	Specific Range	1.385
		TAS	155
		Fuel Flow	125
	High Speed	Altitude	FL 080
		Specific Range	1.240
		TAS	162
Range	Ferry	Nautical Miles	1,100
		Average Speed	145
		Trip Fuel	960
		Specific Range/Altitude	1.146/FL 080
Missions (4 occupants)	200 nm	Runway	NA
		Block Time	1+28
		Fuel Used	260
	500 nm	Specific Range/Altitude	0.769/FL 080
		Runway	NA
		Block Time	3+25
		Fuel Used	485
		Specific Range/Altitude	1.031/FL 080
		Suggested Base Price	\$1,875,000
Remarks		Certification Basis	FAR 23, 1982 Garmin G1000 NXi. *BCA estimated price.

SINGLE-ENGINE TURBOPROPS

Manufacturer		Textron Aviation	Textron Aviation	Piper Aircraft	Daher	Daher	Piper Aircraft	
Model		Cessna Caravan CE-208	Grand Caravan EX CE-208B	M500 PA-46-500TP	Kodiak 100 Kodiak 100 Series III	Kodiak 200 Kodiak 900	M600 PA-46-600TP	
BCA Equipped Price		\$2,600,000	\$2,900,000	\$3,300,000	\$3,554,766	\$4,169,633	\$4,200,000	
Characteristics	Seating	1+9/13*	1+9/13*	1+4/5	1+6/9	1+6/9	1+4/5	
	Wing Loading	28.6	31.5	27.8	30.2	33.3	28.7	
	Power Loading	11.85	10.16	10.18	9.67	8.89	10.00	
	Noise (dBA)	79.0	84.1	76.8	77.0	79.5	76.8	
External Dimensions (ft.)	Length	37.6	41.6	29.6	33.8	37.7	29.6	
	Height	14.9	15.5	11.3	14.7	16.1	11.3	
	Span	52.1	52.1	43.0	45.0	45.0	43.2	
Internal Dimensions (ft.)	Length	12.7	16.7	12.3	15.8	18.1	12.3	
	Height	4.5	4.5	3.9	4.8	4.8	3.9	
	Width	5.3	5.3	4.1	4.5	4.5	4.1	
Power	Engine	P&WC PT6A-114A	P&WC PT6A-140	P&WC PT6A-42A	P&WC PT6A-34	P&WC PT6A-140A	P&WC PT6A-42A	
	Output (shp)/Flat Rating	675/ISA+31C	867/ISA+24C	500/ISA+60C	750/ISA+7C	900/ISA+22C	600/ISA+45C	
	Inspection Interval	3,600t	4,000t	3,600t	4,000t	4,000t	3,600t	
	Max Ramp	8,035	8,842	5,134	7,305	8,100	6,050	
Weights (lb.)	Max Takeoff	8,000	8,807	5,092	7,255	8,000	6,000	
	Max Landing	7,800	8,500	4,850	7,255	7,800	5,800	
	Zero Fuel	7,432b	8,152b	4,850c	7,071c	7,410c	4,850c	
	BOW	4,930	5,510	3,634	4,417	4,840	3,850	
	Max Payload	2,502	2,642	1,216	2,654	2,570	1,000	
	Useful Load	3,105	3,332	1,500	2,888	3,260	2,200	
	Max Fuel	2,224	2,246	1,160	2,144	2,144	1,742	
	Available Payload w/Max Fuel	881	1,086	340	744	1,116	458	
	Available Fuel w/Max Payload	604	691	284	234	690	1,200	
	Limits	VMO	175	175	188	180	190	250
VA		150	148	127	143	155	151	
PSI		—	—	5.6	—	—	5.6	
Airport Performance	TO (SL elev./ISA temp.)	2,055	2,160	2,438	1,468	1,504	2,635	
	TO (5,000-ft. elev.@25C)	2,973	3,661	3,691	2,396	2,515	3,998	
	Vso	61	61	69	60	65	62	
	Vx	90	86	95	73	79	95	
	Vy	107	108	125	101	111	122	
Climb	Time to Climb (min.)/Altitude	9/FL 100	9/FL 100	19/FL 250	10/FL 100	7/FL 100	21/FL 250	
	Initial Gradient (ft./nm)	771	816	753	778	932	785	
Ceilings (ft.)	Certificated	25,000	25,000	30,000	25,000	25,000	30,000	
	Service	25,000	25,000	30,000	25,000	25,000	30,000	
	Sea-Level Cabin	—	—	12,600	—	—	12,600	
Cruise	Long Range	TAS	157	156	179	164	185	184
		Fuel Flow	281	328	135	251	324	155
		Altitude	FL 100	FL 100	FL 280	FL 120	FL 120	FL 280
	High Speed	Specific Range	0.559	0.476	1.326	0.653	0.571	1.187
		TAS	186	185	258	175	210	274
		Fuel Flow	379	437	242	335	409	324
NBAA IFR Ranges (100-nm alternate)	Full Fuel (w/available payload)	Altitude	FL 100	FL 100	FL 280	FL 120	FL 120	FL 280
		Specific Range	0.491	0.423	1.066	0.522	0.513	0.846
		Nautical Miles	965	807	834	1,005	925	1,406
		Average Speed	156	156	171	175	210	179
	Ferry	Trip Fuel	1,799	1,761	748	1,941	1,903	1,324
		Specific Range/Altitude	0.536/FL 100	0.458/FL 100	1.115/FL 280	0.518/FL 120	0.486/FL 120	1.062/FL 280
		Nautical Miles	970	816	834	1,299	1,345	1,406
		Average Speed	156	156	171	141	177	179
Missions (4 passengers)	300 nm	Trip Fuel	1,800	1,772	748	1,941	1,903	1,324
		Specific Range/Altitude	0.539/FL 100	0.460/FL 100	1.115/FL 280	0.669/FL 200	0.707/FL 200	1.062/FL 280
		Runway	1,468	1,428	1,550	1,468	1,504	1,593
		Flight Time	1+40	1+41	1+22	1+50	1+30	1+21
	600 nm	Fuel Used	648	750	379	591	651	429
		Specific Range/Altitude	0.463/FL 100	0.400/FL 100	0.792/FL 280	0.508/FL 120	0.461/FL 120	0.699/FL 280
		Runway	1,675	1,792	1,625	1,468	1,504	1,687
		Flight Time	3+17	3+19	2+32	3+32	2+55	2+31
	1,000 nm	Fuel Used	1,260	1,462	660	1,165	1,235	735
		Specific Range/Altitude	0.476/FL 100	0.410/FL 100	0.909/FL 280	0.515/FL 120	0.486/FL 120	0.816/FL 280
Runway		NP	NP	1,700	1,467	1,504	1,812	
Flight Time		NP	NP	4+18	5+50	4+50	4+06	
Remarks	Fuel Used	NP	NP	985	1,931	2,014	1,142	
	Specific Range/Altitude	NP/NP	NP/NP	1.015/FL 280	0.518/FL 120	0.497/FL 120	0.876/FL 280	
	Suggested Base Price	NA	NA	\$3,157,099	\$3,214,929	\$3,911,746	\$3,999,900	
Certification Basis		FAR 23, 1984/98 Garmin G1000 NXi with GFC 700 autopilot. *Export only.	FAR 23, 1986/2012 Includes cargo pod; Garmin G1000 NXi with GFC 700 autopilot. *Export only.	FAR 23 A52 Garmin G1000 NXi with SVS; GFC 700 autopilot; enhanced AFCS; 1,000 nm; three occupants.	FAR 23, 2007 Normal category Includes Garmin G1000 NXi and GFC 700 autopilot with coupled GA; Summit Interior.	FAR 23, 2007 Normal category Includes Garmin G1000 NXi and GFC 700 autopilot with coupled GA; Summit+ interior.	FAR 23 A62, 2016 Garmin G3000 with SVS and Enhanced AFCS; Garmin GDL 60 with PlaneSync; HALO emergency autoland.	

SINGLE-ENGINE TURBOPROPS

Manufacturer		Piper Aircraft	Epic Aircraft	Daher	Daher	Pilatus	Textron Aviation	
Model		M700 PA-46-701TP	E1000 GX E1000	TBM 910 TBM 700 N	TBM 960 TBM 700 N	PC-12 NGX PC-12/47E	Beechcraft Denali BE-220	
BCA Equipped Price		\$4,300,000	\$4,700,000	\$4,951,530	\$5,525,144	\$6,335,000	\$7,281,719	
Characteristics	Seating	1+4/5	1+5/6	1+5/6	1+5/6	1+8/9	1+7/9	
	Wing Loading	28.1	38.6	38.2	39.4	37.6	NA	
	Power Loading	8.57	6.67	8.70	8.96	8.71	NA	
	Noise (dBA)	73.2	77.3	76.4	77.1	77.0	NA	
External Dimensions (ft.)	Length	29.6	35.8	35.2	35.2	47.3	48.8	
	Height	11.5	12.5	14.3	14.3	14.0	15.2	
	Span	43.1	43.0	42.1	42.1	53.3	54.3	
Internal Dimensions (ft.)	Length	12.3	13.1	15.0	15.0	16.9	16.8	
	Height	3.9	4.5	4.1	4.1	4.8	4.8	
	Width	4.1	4.5	4.0	4.0	5.0	5.3	
Power	Engine	P&WC PT6A-52	P&WC PT6A-67A	P&WC PT6A-66D	P&WC PT6E-66XT	P&WC PT6E-67XP	GE Aerospace Catalyst	
	Output (shp)/Flat Rating	700/ISA+45C	1,200/ISA+35C	850/ISA+37C	850/ISA+37C	1,200/ISA+35C	1,300/NA	
	Inspection Interval	3,600t	3,500t	3,500t	5,000t	5,000t	OC	
Weights (lb.)	Max Ramp	6,050	8,050	7,430	7,650	10,495	NA	
	Max Takeoff	6,000	8,000	7,394	7,615	10,450	NA	
	Max Landing	5,800	7,600	7,024	7,110	9,921	NA	
	Zero Fuel	5,050c	7,499b	6,032c	6,252c	9,039c	NA	
	BOW	3,850	5,330	4,929	5,006	6,803	NA	
	Max Payload	1,000	2,169	1,103	1,246	2,236	NA	
	Useful Load	2,320	2,720	2,501	2,644	3,692	NA	
	Max Fuel	1,742	1,760	1,955	1,955	2,704	NA	
	Available Payload w/Max Fuel	578	960	546	689	988	1,100	
	Available Fuel w/Max Payload	1,320	551	1,398	1,398	1,456	NA	
Limits	VMO	250	270	266	266	240	NA	
	VA	151	170	160	160	166	NA	
	PSI	5.6	6.6	6.2	6.2	5.8	7.6	
Airport Performance	TO (SL elev./ISA temp.)	1,994	2,254	2,380	2,535	2,485	NA	
	TO (5,000-ft. elev.@25C)	3,025	3,193	3,475	3,680	4,080	NA	
	Vso	62	68	65	65	67	NA	
	Vx	95	116	100	100	120	NA	
	Vy	122	150	124	124	130	NA	
Climb	Time to Climb (min.)/Altitude	21/FL 250	12/FL 250	13/FL 250	13/FL 250	19/FL 250	NA/NA	
	Initial Gradient (ft./nm)	785	1,400	1,000	1,000	877	NA	
Ceilings (ft.)	Certificated	30,000	34,000	31,000	31,000	30,000	31,000	
	Service	30,000	34,000	31,000	31,000	30,000	31,000	
	Sea-Level Cabin	12,600	15,000	14,390	14,390	13,100	18,700	
Cruise	Long Range	TAS	206	240	252	252	225	NA
		Fuel Flow	167	233	241	241	269	NA
		Altitude	FL 300	FL 340	FL 310	FL 310	FL 300	NA
	High Speed	Specific Range	1.234	1.030	1.046	1.046	0.836	NA
		TAS	301	322	330	330	290	285
		Fuel Flow	365	334	412	412	463	NA
NBAA IFR Ranges (100-nm alternate)	Full Fuel (w/available payload)	Altitude	FL 250	FL 340	FL 260	FL 260	FL 240	NA
		Specific Range	0.825	0.964	0.801	0.801	0.626	NA
		Nautical Miles	1,424	1,232	1,514	1,514	1,548	1,600
	Ferry	Average Speed	206	310	252	252	270	NA
		Trip Fuel	1,322	1,374	1,599	1,599	2,235	NA
		Specific Range/Altitude	1.077/FL 300	0.897/FL 340	0.947/FL 310	0.947/FL 310	0.693/FL 300	NA/NA
Missions (4 passengers)	300 nm	Nautical Miles	1,836	1,243	1,594	1,594	1,607	NA
		Average Speed	206	312	252	252	280	NA
		Trip Fuel	1,617	1,374	1,598	1,598	2,281	NA
		Specific Range/Altitude	1.135/FL 300	0.905/FL 340	0.997/FL 310	0.997/FL 310	0.705/FL 300	NA/NA
	600 nm	Runway	1,069	1,197	1,765	1,765	1,651	NA
		Flight Time	1+09	0+59	1+00	1+00	1+08	NA
		Fuel Used	443	453	440	440	534	NA
		Specific Range/Altitude	0.677/FL 250	0.662/FL 340	0.682/FL 280	0.682/FL 280	0.562/FL 240	NA/NA
	1,000 nm	Runway	1,213	1,440	2,005	2,005	1,824	NA
		Flight Time	2+08	1+54	1+55	1+55	2+12	NA
		Fuel Used	769	790	830	830	977	NA
		Specific Range/Altitude	0.780/FL 250	0.759/FL 340	0.723/FL 280	0.723/FL 280	0.614/FL 260	NA/NA
Remarks	Certification Basis	Runway	1,261	1,527	2,380	2,380	2,100	NA
		Flight Time	3+36	3+09	3+10	3+10	3+40	NA
Suggested Base Price		\$4,274,500	NA	\$4,722,729	\$5,297,230	\$5,050,000	NA	
Remarks		FAR 23 A62, 2016 Garmin G3000 with SVS and Enhanced AFCS; Garmin GDL 60 with PlaneSync; HALO emergency autoland.	FAR 23, 2019/21 Garmin G1000 NXi; all performance at MTOW.	FAR 23, 1990/2006/07/14 Pilot door standard; five-blade propeller; Garmin G1000 NXi; elec.-heated seats; five-year system warranty.	FAR 23, 1990/2006/07/14 Pilot door standard, five-blade propeller; HomeSafe; E-throttle (PT6E-66XT EPECS); Garmin G3000; Prestige cabin; five-year system warranty.	FAR 23, 1996/2005/08/19 Typically equipped with executive interior, autothrottle.	FAR/EASA 23 pending Typically equipped with executive interior, autothrottle. All data preliminary.	

MULTIENGINE TURBOPROPS ≤12,500-LB. MTOW

Manufacturer		Viking Air	Textron Aviation	Piaggio Aero Industries SpA	
Model		Twin Otter 400 Series DHC-6-400	Beechcraft King Air 260 B200GT	Avanti Evo P.180 Avanti II	
BCA Equipped Price		\$7,500,000*	\$7,780,000	\$8,495,000	
Characteristics	Seating	1+19/19	1+8/10	1+7/9	
	Wing Loading	29.8	40.3	70.3	
	Power Loading	10.08	7.35	7.12	
	Noise (dBA)	85.6	81.2	74.0	
External Dimensions (ft.)	Length	51.8	43.8	47.3	
	Height	19.5	14.8	13.0	
	Span	65.0	57.9	47.1	
Internal Dimensions (ft.)	Length: OA/Net	18.4/24.5	16.7/16.7	17.5/17.5	
	Height	4.9	4.8	5.8	
	Width: Max/Floor	5.4/4.4	4.5/4.1	6.1/3.5	
Power	Engines	2 P&WC PT6A-34	2 P&WC PT6A-52	2 P&WC PT6A-66B	
	Output (shp each)/Flat Rating	620/ISA+27C	850/ISA+37C	850/ISA+28C	
	Inspection Interval	4,000t	3,600t	3,600t	
	Max Ramp	12,600	12,590	12,150	
Weights (lb.)	Max Takeoff	12,500	12,500	12,100	
	Max Landing	12,300	12,500	11,500	
	Zero Fuel	12,300c	11,000c	10,200c	
	BOW	7,794	8,830	8,350	
	Max Payload	4,506	2,170	1,850	
	Useful Load	4,806	3,760	3,800	
	Max Fuel	3,129	3,645	2,802	
	Available Payload w/Max Fuel	1,677	115	998	
	Available Fuel w/Max Payload	300	1,590	1,950	
	Limits	VMO	170	259	260
VA		136	181	202	
PSI		—	6.5	9.0	
Airport Performance	TO (SL elev./ISA temp.)	1,490	2,111	3,196	
	TO (5,000-ft. elev.@25C)	2,031	3,099	4,700	
	A/S (SL elev./ISA temp.)	2,220	3,687	5,750	
	A/S (5,000-ft. elev.@25C)	2,800	4,859	7,400	
	VMCA	66	86	100	
	VDEC	NA	94	106	
	VXSE	NA	115	132	
Climb	VYSE	82	121	140	
	Time to Climb (min.)/Altitude	7/FL 100	13/FL 250	10/FL 250	
	Initial Engine-Out Rate (fpm)	340	682	670	
	Initial All-Engine Gradient (ft./nm)	856	1,170	1,067	
	Initial Engine-Out Gradient (ft./nm)	249	364	287	
Ceilings (ft.)	Certificated	25,000	35,000	41,000	
	All-Engine Service	26,700	35,000	41,000	
	Engine-Out Service	11,600	26,000	22,500	
	Sea-Level Cabin	—	2,700*	24,000	
Cruise	Long Range	TAS	142	256	304
		Fuel Flow	413	430	438
		Altitude	FL 100	FL 350	FL 390
	High Speed	Specific Range	0.344	0.595	0.694
		TAS	186	310	378
		Fuel Flow	633	750	783
NBAA IFR Ranges (100-nm alternate)	Max Payload (w/available fuel)	Altitude	FL 100	FL 260	FL 310
		Specific Range	0.294	0.413	0.483
		Nautical Miles	161	321	774
	Max Fuel (w/available payload)	Average Speed	147	267	297
		Trip Fuel	576	870	1,315
		Specific Range/Altitude	0.280/FL 100	0.369/FL 330	0.589/FL 390
	Full Fuel (w/4 passengers)	Nautical Miles	925	1,403	1,366
		Average Speed	142	291	300
		Trip Fuel	2,784	2,941	2,165
	Ferry	Specific Range/Altitude	0.332/FL 100	0.477/FL 330	0.631/FL 390
Nautical Miles		949	1,038	1,376	
Average Speed		140	288	300	
Missions (4 passengers)	300 nm	Trip Fuel	2,792	2,225	2,165
		Specific Range/Altitude	0.340/FL 100	0.467/FL 330	0.636/FL 390
		Nautical Miles	975	1,420	1,389
	600 nm	Average Speed	138	293	304
		Trip Fuel	2,800	2,942	2,165
		Specific Range/Altitude	0.348/FL 100	0.483/FL 330	0.642/FL 390
	1,000 nm	Runway	907	3,504	2,350
		Flight Time	1+42	1+03	0+53
		Fuel Used	1,091	869	725
	Remarks	Specific Range/Altitude	0.275/FL 100	0.345/FL 250	0.414/FL 310
Runway		1,120	3,587	2,550	
Flight Time		3+19	2+03	1+45	
Fuel Used		2,123	1,494	1,220	
Certification Basis	Specific Range/Altitude	0.283/FL 100	0.402/FL 290	0.492/FL 350	
	Runway	NP	3,677	2,700	
	Flight Time	NP	3+28	3+05	
EASA/FAR 23 A57, 2010	Fuel Used	NP	2,147	1,672	
	Specific Range/Altitude	NP/NP	0.466/FL 330	0.598/FL 390	
*BCA estimated price.	Suggested Base Price	NA	NA	NA	
	FAR 23, 1973/80/2008/11 Collins Pro Line Fusion standard; Wi-Fi optional; STC SA02131SE; autothrottles standard. *Optional press'n. sched.	EASA 23, 2014; FAR 23, 2015 Includes Collins Pro Line 21; TCAS I; Iridium satcom; RVSM approved; optional 390-lb. capacity.			

MULTIENGINE TURBOPROPS >12,500-LB. MTOW

Manufacturer		Textron Aviation	Textron Aviation	Textron Aviation	Textron Aviation		
Model		SkyCourier (Freighter) CE-408	Beechcraft King Air 360 B300	SkyCourier (Passenger) CE-408	Beechcraft King Air 360ER B300ER		
BCA Equipped Price		\$8,604,500	\$9,255,000	\$9,360,200	\$9,760,000		
Characteristics	Seating	1+1/11	1+9/11	2+19/19	1+9/11		
	Wing Loading	43.0	48.4	43.0	53.2		
	Power Loading	8.56	7.14	8.56	7.86		
	Noise (dBA)	84.6	72.9	84.6	81.5		
External Dimensions (ft.)	Length	55.1	46.7	55.1	46.7		
	Height	20.7	14.3	20.7	14.3		
	Span	72.3	57.9	72.3	57.9		
Internal Dimensions (ft.)	Length: OA/Net	23.3/23.3	19.5/19.5	23.3/19.5	19.5/19.5		
	Height	5.9	4.8	5.9	4.8		
	Width: Max/Floor	6.4/5.8	4.5/4.1	6.2/5.8	4.5/4.1		
Power	Engines	2 P&WC PT6A-65SC	2 P&WC PT6A-60A	2 P&WC PT6A-65SC	2 P&WC PT6A-60A		
	Output (shp each)/Flat Rating	1,110/ISA+35C	1,050/ISA+10C	1,110/ISA+35C	1,050/ISA+10C		
	Inspection Interval	6,000t	3,600t	6,000t	3,600t		
Weights (lb.)	Max Ramp	19,070	15,100	19,070	16,600		
	Max Takeoff	19,000	15,000	19,000	16,500		
	Max Landing	18,600	15,000	18,600	15,675		
	Zero Fuel	17,200c	12,500c	17,725c	13,000c		
	BOW	11,200	9,955	12,725	10,215		
	Max Payload	6,000	2,545	5,000	2,785		
	Useful Load	7,870	5,145	6,345	6,385		
	Max Fuel	4,826	3,611	4,826	5,192		
Limits	Available Payload w/Max Fuel	3,044	1,534	1,519	1,193		
	Available Fuel w/Max Payload	1,870	2,600	1,345	3,600		
	MMO	0.40	0.58	0.40	0.58		
	Trans. Alt. FL/VMO	120/210	210/263	120/210	240/245		
	VA	153	184	153	182		
Airport Performance	PSI	—	6.8	—	6.8		
	TO (SL elev./ISA temp.)	2,700*	3,300	3,660*	4,057		
	TOFL (5,000-ft. elev.@25C)	3,650*	5,376	4,850*	7,675		
	Mission Weight	19,000	14,196	19,000	16,100		
	NBAA IFR Range	797	1,549	792	2,257		
	V2	98	109	98	111		
Climb	VREF	96	100	96	104		
	Landing Distance	2,366	2,390	2,378	2,728		
	Time to Climb (min.)/Altitude	32/FL 250	15/FL 250	32/FL 250	18/FL 250		
	*FAR 25 Initial Engine-Out Rate (fpm)	233	622	233	337		
Ceilings (ft.)	FAR 25 Initial Engine-Out Gradient (ft./nm)	143	304	143	182		
	Certificated	25,000	35,000	25,000	35,000		
	All-Engine Service	25,000	35,000	25,000	35,000		
Cruise	Long Range	Engine-Out Service	13,900	21,500	13,900	17,100	
		Sea-Level Cabin	—	2,700*	—	2,700*	
		TAS	166	235	166	238	
		Fuel Flow	640	362	640	402	
	High Speed	Altitude	FL 120	FL 330	FL 120	FL 330	
		Specific Range	0.259	0.649	0.259	0.592	
		TAS	214	312	214	303	
		Fuel Flow	1,009	773	1,009	764	
	NBAA IFR Ranges (100-nm alternate)	Max Payload (w/available fuel)	Altitude	FL 120	FL 240	FL 120	FL 240
			Specific Range	0.212	0.404	0.212	0.397
Nautical Miles			100	896	85	1,316	
Max Fuel (w/available payload)		Average Speed	189	273	182	261	
		Trip Fuel	609	1,891	533	2,880	
		Specific Range/Altitude	0.164/FL 120	0.474/FL 350	0.159/FL 120	0.457/FL 350	
Full Fuel (w/4 passengers)		Nautical Miles	783	1,485	783	2,223	
		Average Speed	205	280	205	269	
		Trip Fuel	3,915	2,944	3,915	4,528	
Ferry		Specific Range/Altitude	0.200/FL 120	0.504/FL 350	0.200/FL 120	0.491/FL 350	
	Nautical Miles	792	1,533	787	2,271		
	Average Speed	208	285	206	271		
Missions (4 passengers)	300 nm	Trip Fuel	3,946	2,951	3,925	4,533	
		Specific Range/Altitude	0.201/FL 120	0.519/FL 350	0.201/FL 120	0.501/FL 350	
		Nautical Miles	795	1,560	790	2,338	
		Average Speed	207	289	207	276	
	600 nm	Trip Fuel	3,956	2,958	3,936	4,543	
		Specific Range/Altitude	0.201/FL 120	0.527/FL 350	0.201/FL 120	0.515/FL 350	
		Runway	1,698	2,586	2,737	2,795	
		Flight Time	1+28	1+02	1+29	1+05	
	1,000 nm	Fuel Used	1,545	881	1,538	919	
		Specific Range/Altitude	0.194/FL 120	0.341/FL 250	0.195/FL 120	0.326/FL 250	
Runway		1,984	2,702	3,141	2,927		
Flight Time		2+54	2+02	2+55	2+07		
Remarks	Fuel Used	3,007	1,470	3,005	1,529		
	Specific Range/Altitude	0.200/FL 120	0.408/FL 290	0.200/FL 120	0.392/FL 290		
	Runway	NP	2,827	NP	3,048		
	Flight Time	NP	3+27	NP	3+35		
	Fuel Used	NP	2,102	NP	2,195		
Suggested Base Price	\$7,750,000	NA	\$8,350,000	NA			
Certification Basis	FAR 23 A64, 2022 Normal category (Level 1) Garmin G1000 NXi; 800-lb. payload for BCA missions. *AE TOD 50-ft. obstacle.	FAR 23, 1989 Commuter category Collins Pro Line Fusion MultiScan Radar and iTAWS; Wi-Fi optional; RVSM app'd.; also available as 350HW with 16,500-lb. MTOW, 15,675-lb. MLW; autothrottles standard.	FAR 23 A64, 2022 Normal category (Level 4) Garmin G1000 NXi. *OEI TOFL 35-ft. obstacle.	FAR 23, 1989/2007 Commuter category Collins Pro Line Fusion Multi-Scan Radar and iTAWS; Wi-Fi optional; RVSM approved; autothrottles standard.			

JETS <10,000-LB. MTOW

Manufacturer		Cirrus Design
Model		Vision G2+ SF-50
BCA Equipped Price		\$3,300,000
Characteristics	Seating	1+4/6
	Wing Loading	30.7
External Dimensions (ft.)	Power Loading	3.25
	Noise (EPNdB): Lateral/Flyover/Approach	79.6/70.9/80.3
Internal Dimensions (ft.)	Length	30.7
	Height	10.9
Baggage	Span	38.7
	Length: OA/Net	11.5/9.8
Power	Height/Dropped Aisle Depth	4.1/NA
	Width: Max/Floor	5.1/3.1
Weights (lb.)	Internal: Cu. ft./lb.	24/NA
	External: Cu. ft./lb.	30/NA
Limits	Engine(s)	1 Wms Intl FJ33-5A
	Output (lb. each)/Flat Rating	1,846/ISA+10C
Airport Performance	Inspection Interval/Manu. Service Plan Interval	4,000t/—
	Max Ramp	6,040
Climb	Max Takeoff	6,000
	Max Landing	5,550
Ceilings (ft.)	Zero Fuel	4,900c
	BOW	3,860
Cruise	Max Payload	1,040
	Useful Load	2,180
NBAA IFR Ranges (100-nm alternate)	Max Fuel	2,000
	Available Payload w/Max Fuel	180
Missions (4 passengers)	Available Fuel w/Max Payload	1,140
	MMO	0.530
Remarks	Trans. Alt. FL/VMO	FL 183/250
	PSI	7.1
Characteristics	TOFL (SL elev./ISA temp.)	1,920
	TOFL (5,000-ft. elev.@25C)	3,045
External Dimensions (ft.)	Mission Weight	6,000
	NBAA IFR Range	1,098
Internal Dimensions (ft.)	V2	91
	VREF	87
Baggage	VREF	87
	Landing Distance	1,628
Power	Time to Climb/Altitude	23/310
	FAR 25 Engine-Out Rate (fpm)	NA
Weights (lb.)	FAR 25 Engine-Out Gradient (ft./nm)	NA
	Certificated	31,000
Limits	All-Engine Service	31,000
	Engine-Out Service	—
Airport Performance	Sea-Level Cabin	NA
	TAS	259
Climb	Fuel Flow	300
	Altitude	FL 310
Ceilings (ft.)	Specific Range	0.863
	TAS	305
Cruise	Fuel Flow	384
	Altitude	FL 310
NBAA IFR Ranges (100-nm alternate)	Specific Range	0.794
	Nautical Miles	461
Missions (4 passengers)	Average Speed	233
	Trip Fuel	745
Remarks	Specific Range/Altitude	0.619/FL 310
	Nautical Miles	1,171
Characteristics	Average Speed	233
	Trip Fuel	1,611
External Dimensions (ft.)	Specific Range/Altitude	0.727/FL 310
	Nautical Miles	622
Internal Dimensions (ft.)	Average Speed	233
	Trip Fuel	941
Baggage	Specific Range/Altitude	0.661/FL 310
	Nautical Miles	1,220
Power	Average Speed	233
	Trip Fuel	1,760
Weights (lb.)	Specific Range/Altitude	0.693/FL 310
	Nautical Miles	1,867
Limits	Flight Time	1+12
	Fuel Used	548
Airport Performance	Specific Range/Altitude	0.547/FL 310
	Nautical Miles	2,036
Climb	Flight Time	2+36
	Fuel Used	914
Ceilings (ft.)	Specific Range/Altitude	0.656/FL 310
	Nautical Miles	2,437
Cruise	Flight Time	4+18
	Fuel Used	1,401
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.714/FL 310
	FAR 23, 2016/18 Garmin	
Missions (4 passengers)	Perspective Touch+; RVSM standard; Safe Return emergency autoland; Cirrus IQ standard.	

JETS <20,000-LB. MTOW

Manufacturer		Nextant Aerospace	Embraer
Model		Nextant 400 XTi BE 400A	Phenom 100 EX EMB-500
BCA Equipped Price		\$4,650,000	\$5,695,000
Characteristics	Seating	2+7/9/9	1+7/7/7
	Wing Loading/Power Loading	67.6/2.67	53.1/3.09
External Dimensions (ft.)	Noise (EPNdB): Lateral/Flyover/Approach	76.9/91.5/88.8	81.6/70.8/86.1
	Length	48.4	42.1
Internal Dimensions (ft.)	Height	13.9	14.3
	Span	43.5	40.4
Baggage	Length: Main Seating/Net/Gross	15.5/15.5/—	11.0/11.0/11.0
	Height/Dropped Aisle Depth	4.8/flat floor	4.9/0.3
Power	Width: Max/Floor	4.9/4.0	5.1/3.6
	Internal: Cu. ft./lb.	27/410	4/26
Weights (lb.)	External: Cu. ft./lb.	26/450	60/419
	Engines	2 Wms Intl FJ44-3AP	2 P&WC PW 617F1-E
Limits	Output (lb. each)/Flat Rating	3,052/ISA+7C	1,730/ISA+8C
	Inspection Interval/Manu. Service Plan Interval	5,000t/—	3,500t/—
Airport Performance	Max Ramp	16,500	10,748
	Max Takeoff	16,300	10,703
Climb	Max Landing	15,700	9,998
	Zero Fuel	13,000c	9,072c
Ceilings (ft.)	BOW	10,950	7,297
	Max Payload	2,050	1,775
NBAA IFR Ranges (100-nm alternate)	Useful Load	5,550	3,451
	Max Fuel	4,912	2,804
Missions (4 passengers)	Available Payload w/Max Fuel	638	647
	Available Fuel w/Max Payload	3,500	1,676
Limits	MMO	0.780	0.700
	Trans. Alt. FL/VMO	FL 290/320	FL 280/275
Airport Performance	PSI/Sea-Level Cabin	9.1/24,000	8.3/21,280
	TOFL (SL elev./ISA temp.)	3,821	3,190
Climb	TOFL (5,000-ft. elev.@25C)	5,088	5,663
	Mission Weight	14,500p	10,703
Ceilings (ft.)	NBAA IFR Range	1,197	1,113
	V2	116	99
NBAA IFR Ranges (100-nm alternate)	VREF	105	95
	Landing Distance	2,960	2,473
Missions (4 passengers)	Time to Climb/Altitude	16/FL 370	19/FL 370
	FAR 25 Engine-Out Rate (fpm)	305	747
Weights (lb.)	FAR 25 Engine-Out Gradient (ft./nm)	158	453
	Certificated	45,000	41,000
Limits	All-Engine Service	45,000	41,000
	Engine-Out Service	27,500	24,045
Airport Performance	TAS/Fuel Flow (lb./hr)	406/740	340/543
	Altitude/Specific Range	FL 450/0.549	FL 410/0.626
Climb	TAS/Fuel Flow (lb./hr)	447/968	406/955
	Altitude/Specific Range	FL 430/0.462	FL 330/0.425
Ceilings (ft.)	Nautical Miles	1,024	466
	Average Speed	367	325
NBAA IFR Ranges (100-nm alternate)	Trip Fuel	2,411	1,036
	Specific Range/Altitude	0.425/FL 450	0.450/FL 410
Missions (4 passengers)	Nautical Miles	1,895	1,194
	Average Speed	384	333
Limits	Trip Fuel	3,953	2,196
	Specific Range/Altitude	0.479/FL 450	0.544/FL 410
Airport Performance	Nautical Miles	1,801	1,092
	Average Speed	383	333
Climb	Trip Fuel	3,706	2,038
	Specific Range/Altitude	0.486/FL 450	0.536/FL 410
Ceilings (ft.)	Nautical Miles	1,981	1,254
	Average Speed	381	329
NBAA IFR Ranges (100-nm alternate)	Trip Fuel	3,986	2,220
	Specific Range/Altitude	0.497/FL 450	0.565/FL 410
Missions (4 passengers)	Runway	3,015	2,909
	Flight Time	0+48	0+53
Limits	Fuel Used	786	753
	Specific Range/Altitude	0.382/FL 390	0.398/FL 390
Airport Performance	Runway	3,044	3,121
	Flight Time	1+30	1+45
Climb	Fuel Used	1,323	1,236
	Specific Range/Altitude	0.454/FL 430	0.485/FL 390
Ceilings (ft.)	Runway	3,101	3,179
	Flight Time	2+28	2+54
NBAA IFR Ranges (100-nm alternate)	Fuel Used	2,145	1,919
	Specific Range/Altitude	0.466/FL 450	0.521/FL 410
Missions (4 passengers)	Runway	3,044	3,121
	Flight Time	1+30	1+45
Limits	Fuel Used	1,323	1,236
	Specific Range/Altitude	0.454/FL 430	0.485/FL 390
Airport Performance	Runway	3,101	3,179
	Flight Time	2+28	2+54
Ceilings (ft.)	Fuel Used	2,145	1,919
	Specific Range/Altitude	0.466/FL 450	0.521/FL 410
Remarks	Certification Basis	FAR 25, 1981/85 STC 023711A STC 10959SC STC 03960AT	FAR 23, 2008



2025 BUSINESS AIRPLANES

JETS <20,000-LB. MTOW

Manufacturer		Textron Aviation	Honda Aircraft Co.	Textron Aviation	Textron Aviation	Embraer	Pilatus Aircraft	
Model		Citation M2 Gen2 CE-525	HondaJet Elite II HA-420	Citation CJ3 Gen2 CE-525B	Citation CJ4 Gen2 CE-525C	Phenom 300E EMB-505	PC-24	
<b>BCA Equipped Price</b>		\$6,250,000	\$7,170,000	\$10,990,000	\$12,200,000	\$12,895,000	\$13,995,000	
Characteristics	Seating	1+7/7/7	1+5/7/7	1+8/9/9	1+9/10/10	1+7/10/10	1+8/10/10	
	Wing Loading/Power Loading	44.6/2.72	62.9/2.71	47.2/2.46	51.8/2.36	60.5/2.67	56.0/2.74	
	Noise (EPNdB): Lateral/Flyover/Approach	85.9/73.2/88.5	85.5/73.1/87.4	88.7/74.0/88.6	92.8/75.6/89.5	89.2/70.6/88.9	90.3/79.2/92.1	
External Dimensions (ft.)	Length	42.6	42.6	51.2	53.3	51.2	55.2	
	Height	13.9	14.9	15.2	15.4	16.7	17.3	
	Span	47.3	39.8	53.3	50.8	52.2	55.8	
Internal Dimensions (ft.)	Length: Main Seating/Net/Gross	8.8/11.0/11.0	12.1/12.1/NA	12.3/15.7/15.7	12.9/17.3/17.3	14.8/17.2/17.2	17.0/17.0/23.1	
	Height/Dropped Aisle Depth	4.8/0.4	4.8/NA	4.8/0.4	4.8/0.4	4.9/0.3	5.1/flat floor	
	Width: Max/Floor	4.8/3.1	5.0/NA	4.8/3.1	4.8/3.3	5.1/3.6	5.6/3.8	
Baggage	Internal: Cu. ft./lb.	—/—	NA/NA	—/—	7/40	10/77	90/530	
	External: Cu. ft./lb.	46/725	62/750	65/1,000	71/1,000	74/573	NA/NA	
Power	Engines	2 Wms Intl FJ44-1AP-21	2 GE Honda HF-120-H1A	2 Wms Intl FJ44-3A	2 Wms Intl FJ44-4A	2 P&W PW 535E1	2 Wms Intl FJ44-4A-QPM	
	Output (lb. each)/Flat Rating Inspection Interval/Manu. Service Plan Interval	1,965/ISA+7C 3,500t/5,000	2,050/ISA+10C 5,000t*/—	2,820/ISA+11C 4,000t/5,000	3,621/ISA+11C 5,000t/5,000	3,478/ISA+15C 5,000t/—	3,420/ISA+23C 5,000t/5,000	
Weights (lb.)	Max Ramp	10,800	11,180	14,070	17,230	18,618	18,840	
	Max Takeoff	10,700	11,100	13,870	17,110	18,552	18,740	
	Max Landing	9,900	10,360	12,750	15,660	17,273	17,340	
	Zero Fuel	8,500c	9,300c	10,675c	12,500c	14,264c	14,660c	
	BOW	6,990	7,422	8,540	10,280	11,628	11,618	
	Max Payload	1,510	1,878	2,135	2,220	2,636	3,042	
	Useful Load	3,810	3,758	5,530	6,950	6,990	7,222	
	Max Fuel	3,296	3,138	4,710	5,828	5,404	5,965	
	Available Payload w/Max Fuel	514	620	820	1,122	1,586	1,257	
	Available Fuel w/Max Payload	2,300	1,880	3,395	4,730	4,354	4,180	
Limits	Mmo	0.710	0.720	0.737	0.770	0.800	0.740	
	Trans. Alt. FL/Vmo	FL 305/263	FL 302/270	FL 293/278	FL 279/305	FL 276/320	FL 280/290	
Airport Performance	PSI/Sea-Level Cabin	8.5/22,027	8.8/23,060	8.9/23,586	9.0/24,005	9.4/25,560	9.3/25,100	
	TOFL (SL elev./ISA temp.)	3,210	3,699	3,180	3,410	3,209	3,090	
	TOFL (5,000-ft. elev.@25C)	5,580	5,637	4,750	5,180	5,374	5,600	
	Mission Weight	10,700	11,100	13,870	16,788	18,552	18,326	
	NBAA IFR Range	1,204	1,380	1,918	2,109	2,033	2,125	
	V2	111	117	114	117	111	108	
	Vref	101	108	98	98	103	90	
Climb	Landing Distance	2,340	2,912	2,394	2,450	2,212	2,120	
	Time to Climb/Altitude	18/FL 370	16/FL 370	15/FL 370	14/FL 370	14/FL 370	14/FL 370	
	FAR 25 Engine-Out Rate (fpm)	618	634	808	839	872	665	
Ceilings (ft.)	FAR 25 Engine-Out Gradient (ft./nm)	334	284	425	430	471	379	
	Certificated	41,000	43,000	45,000	45,000	45,000	45,000	
Cruise	All-Engine Service	41,000	43,000	45,000	45,000	45,000	45,000	
	Engine-Out Service	26,800	26,400	26,250	28,200	30,137	29,100	
	Long Range	TAS/Fuel Flow (lb./hr) 323/516 Altitude/Specific Range FL 410/0.626	360/543 FL 430/0.663	352/624 FL 450/0.564	377/812 FL 450/0.464	385/783 FL 450/0.492	371/862 FL 450/0.430	
	High Speed	TAS/Fuel Flow (lb./hr) 401/920 Altitude/Specific Range FL 350/0.436	419/999 FL 330/0.419	415/1,197 FL 350/0.347	442/1,470 FL 370/0.301	464/1,549 FL 350/0.300	436/1,571 FL 330/0.278	
NBAA IFR Ranges (FAR Part 23, 100-nm alternate; FAR Part 25, 200-nm alternate)	Max Payload (w/available fuel)	Nautical Miles	759	612	945	1,425	1,381	1,169
		Average Speed	358	332	366	407	393	393
		Trip Fuel	1,600	1,255	2,381	3,753	3,369	3,116
	Max Fuel (w/available payload)	Specific Range/Altitude	0.474/FL 410	0.488/FL 430	0.397/FL 450	0.380/FL 450	0.410/FL 450	0.375/FL 450
		Nautical Miles	1,357	1,523	1,814	1,913	1,932	1,946
		Average Speed	372	347	377	413	393	387
	Four Passengers (w/available fuel)	Trip Fuel	2,675	2,601	3,846	4,904	4,450	4,978
		Specific Range/Altitude	0.507/FL 410	0.586/FL 430	0.472/FL 450	0.390/FL 450	0.434/FL 450	0.391/FL 450
		Nautical Miles	1,183	1,358	1,825	1,927	2,010	1,994
	Ferry	Average Speed	370	346	376	416	387	393
Trip Fuel		2,352	2,366	3,767	4,920	4,471	5,078	
Specific Range/Altitude		0.503/FL 410	0.574/FL 430	0.484/FL 450	0.392/FL 450	0.450/FL 450	0.393/FL 450	
Missions (4 passengers)	300 nm	Nautical Miles	1,550	1,605	2,040	2,165	2,094	2,027
		Average Speed	378	344	383	420	380	411
		Trip Fuel	2,705	2,622	3,872	4,955	4,498	5,105
	600 nm	Specific Range/Altitude	0.573/FL 410	0.612/FL 430	0.527/FL 450	0.437/FL 450	0.466/FL 450	0.397/FL 450
		Runway	2,625	3,372	2,608	2,669	2,899	2,314
		Flight Time	0+51	0+53	0+49	0+46	0+49	0+47
	1,000 nm	Fuel Used	804	715	969	1,087	998	1,379
		Specific Range/Altitude	0.373/FL 370	0.420/FL 390	0.310/FL 370	0.276/FL 390	0.301/FL 390	0.218/FL 280
		Runway	2,692	3,413	2,609	2,715	2,868	2,326
	Remarks	Certification Basis	FAR 23, 2013	FAR 23, 2015/19 *Mature TBO.	FAR 23, 2004/14 Commuter category pending Garmin G3000. All data preliminary.	FAR 23, 2010 Commuter category	FAR 23, 2009/20 Commuter category	EASA CS 23, 2017/23; FAR 23, 2018/23 SN 501 and above approved for unpaved runway operations.
FAR 23, 2013			FAR 23, 2015/19 *Mature TBO.	FAR 23, 2004/14 Commuter category pending Garmin G3000. All data preliminary.	FAR 23, 2010 Commuter category	FAR 23, 2009/20 Commuter category	EASA CS 23, 2017/23; FAR 23, 2018/23 SN 501 and above approved for unpaved runway operations.	
FAR 23, 2013			FAR 23, 2015/19 *Mature TBO.	FAR 23, 2004/14 Commuter category pending Garmin G3000. All data preliminary.	FAR 23, 2010 Commuter category	FAR 23, 2009/20 Commuter category	EASA CS 23, 2017/23; FAR 23, 2018/23 SN 501 and above approved for unpaved runway operations.	

JETS ≥20,000-LB. MTOW

Manufacturer		Textron Aviation	Textron Aviation	Embraer	Embraer	Gulfstream Aero.	Bombardier	
Model		Citation Ascend CE-560XL	Citation Latitude CE-680A	Praetor 500 EMB-545	Praetor 600 EMB-550	Gulfstream G280 G280	Challenger 3500 BD-100-1A10	
<b>BCA Equipped Price</b>		\$16,725,000	\$20,575,000	\$20,595,000	\$23,995,000	\$25,000,000	\$27,700,000	
Characteristics	Seating	2+9/12/12	2+9/9/9	2+7/9/9	2+8/12/12	2+9/10/19	2+9/11/19	
	Wing Loading/Power Loading	NA/NA	56.8/2.61	77.7/2.87	88.7/2.85	80.0/2.60	77.6/2.77	
	Noise (EPNdB): Lateral/Flyover/Approach	NA/NA/NA	87.7/73.5/87.7	84.1/73.5/89.9	86.9/75.1/90.3	89.5/75.2/90.5	87.6/75.3/89.6	
External Dimensions (ft.)	Length	52.7	62.3	64.6	68.1	66.8	68.7	
	Height	17.2	20.9	21.1	21.2	21.3	20.0	
	Span	55.7	72.3	70.5	70.5	63.0	69.0	
Internal Dimensions (ft.)	Length: Main Seating/Net/Gross	14.3/18.5/18.5	15.9/21.8/21.8	17.4/20.6/24.0	21.3/24.1/27.5	17.7/25.8/32.3	16.6/25.2/28.6	
	Height/Dropped Aisle Depth	5.0*/flat floor**	6.0/flat floor	6.0/flat floor	6.0/flat floor	6.1/4.5	6.0/flat floor	
	Width: Max/Floor	5.5/3.9	6.4/4.1	6.8/4.7	6.8/4.7	6.9/5.4	7.2/5.1	
Baggage	Internal: Cu. ft./lb.	NA/NA	27/245	40/418	45/418	154/1,980	106/750	
	External: Cu. ft./lb.	80/700	100/1,000	110/880	110/880	—/—	—/—	
Power	Engines	2 P&WC PW545D	2 P&WC PW306D1	2 Hon HTF7500E	2 Hon HTF7500E	2 Hon HTF7250G	2 Hon HTF 7350	
	Output (lb. each)/Flat Rating	4,213***/NA	5,907/ISA+15C	6,540/ISA+18C	7,528/ISA+18C	7,624/ISA+17C	7,323/ISA+15C	
Weights (lb.)	Inspection Interval/Manu. Service Plan Interval	NA/—	6,000/—	OC/—	OC/—	OC/—	OC/—	
	Max Ramp	NA	31,050	37,699	42,990	39,750	40,750	
	Max Takeoff	20,500***	30,800	37,567	42,857	39,600	40,600	
	Max Landing	NA	27,575	34,172	37,478	32,700	34,150	
	Zero Fuel	NA	21,430c	25,959c	28,660	28,200c	28,200c	
	BOW	13,100***	18,656	23,038	24,658	24,200	24,800	
	Max Payload	NA	2,774	2,921	4,002	4,000	3,400	
	Useful Load	NA	12,394	14,661	18,332	15,550	15,950	
	Max Fuel	NA	11,394	13,051	16,138	14,600	14,045	
	Available Payload w/Max Fuel	850***	1,000	1,610	2,194	950	1,905	
Limits	Available Fuel w/Max Payload	NA	9,620	11,740	14,330	11,550	12,550	
	Mmo	NA	0.800	0.830	0.830	0.850	0.830	
Airport Performance	Trans. Alt. FL/Vmo	NA/NA	FL 298/305	FL 295/320	FL 295/320	FL 280/340	FL 295/320	
	PSI/Sea-Level Cabin	9.3/25,230	9.7/26,800	9.7/27,140	9.7/27,140	9.2/25,000	8.8/23,338	
	TOFL (SL elev./ISA temp.)	NA	3,580	4,222	4,717	4,750	4,835	
	TOFL (5,000-ft. elev.@25C)	NA	5,070	5,692	6,431	7,320	6,809	
	Mission Weight	NA	30,675	37,567	42,857	39,600	40,600	
Climb	NBAA IFR Range	NA	2,700	3,412	4,040	3,700	3,400	
	V2	NA	115	119	128	137	133	
	Vref	NA	95	101	104	115	111	
	Landing Distance	NA	2,085	2,086	2,165	2,365	2,303	
	Time to Climb/Altitude	NA/NA	16/FL 370	14/FL 370	13/FL 370	14/FL 370	14/FL 370	
Ceilings (ft.)	FAR 25 Engine-Out Rate (fpm)	NA	652	743	777	680	NA	
	FAR 25 Engine-Out Gradient (ft./nm)	NA	340	375	364	298	NA	
	Certificated	NA	45,000	45,000	45,000	45,000	45,000	
Cruise	All-Engine Service	NA	43,000	43,000	43,000	44,100	44,000	
	Engine-Out Service	NA	27,620	27,513	28,189	28,000	27,500	
	Long Range	TAS/Fuel Flow (lb./hr)	NA/NA	368/1,114	426/1,352	433/1,449	459/1,522	442/1,473
	Altitude/Specific Range	NA/NA	FL 430/0.330	FL 450/0.315	FL 450/0.299	FL 450/0.302	FL 450/0.300	
NBAA IFR Ranges (FAR Part 23, 100-nm alternate; FAR Part 25, 200-nm alternate)	High Speed	TAS/Fuel Flow (lb./hr)	NA/NA	432/1,765	469/2,018	466/1,826	482/1,877	470/1,656
	Altitude/Specific Range	NA/NA	FL 390/0.245	FL 390/0.232	FL 430/0.255	FL 410/0.257	FL 450/0.284	
	Max Payload (w/available fuel)	Nautical Miles	NA	2,135	2,819	3,277	2,628	2,814
	Average Speed	NA	394	423	426	447	432	
NBAA IFR Ranges (FAR Part 23, 100-nm alternate; FAR Part 25, 200-nm alternate)	Max Fuel (w/available payload)	Trip Fuel	NA	7,901	9,963	12,600	9,667	10,628
		Specific Range/Altitude	NA/NA	0.270/FL 450	0.283/FL 450	0.260/FL 450	0.272/FL 450	0.265/FL 450
		Nautical Miles	NA	2,645	3,282	3,878	3,688	3,297
		Average Speed	NA	401	419	425	451	434
	Four Passengers (w/available fuel)	Trip Fuel	NA	9,586	11,322	14,357	12,837	12,164
		Specific Range/Altitude	NA/NA	0.276/FL 450	0.290/FL 450	0.270/FL 450	0.287/FL 450	0.271/FL 450
		Nautical Miles	NA	2,678	3,340	4,018	3,703	3,377
		Average Speed	NA	401	417	423	451	434
Ferry	Trip Fuel	NA	9,594	11,342	14,404	12,843	12,193	
	Specific Range/Altitude	NA/NA	0.279/FL 450	0.294/FL 450	0.279/FL 450	0.288/FL 450	0.277/FL 450	
	Nautical Miles	NA	2,731	3,416	4,102	3,787	3,435	
	Average Speed	NA	405	417	421	451	434	
Missions (4 passengers)	300 nm	Trip Fuel	NA	9,628	11,357	14,436	12,872	12,214
		Specific Range/Altitude	NA/NA	0.284/FL 450	0.301/FL 450	0.284/FL 450	0.294/FL 450	0.281/FL 450
		Runway	NA	2,760	2,673	2,745	2,860	3,612
		Flight Time	NA	0+46	0+48	0+46	0+47	0+48
	600 nm	Fuel Used	NA	1,610	1,564	1,558	1,405	1,573
		Specific Range/Altitude	NA/NA	0.186/FL 390	0.192/FL 430	0.193/FL 450	0.214/FL 450	0.191/FL 450
		Runway	NA	2,845	2,690	2,746	2,885	3,655
		Flight Time	NA	1+29	1+28	1+26	1+29	1+29
	1,000 nm	Fuel Used	NA	2,573	2,494	2,580	2,309	2,527
		Specific Range/Altitude	NA/NA	0.233/FL 430	0.241/FL 450	0.233/FL 450	0.260/FL 450	0.237/FL 450
		Runway	NA	2,951	2,858	2,810	3,020	3,714
		Flight Time	NA	2+25	2+21	2+18	2+18	2+23
Remarks	Fuel Used	NA	3,989	3,802	3,969	3,539	3,822	
	Specific Range/Altitude	NA/NA	0.251/FL 430	0.263/FL 450	0.252/FL 450	0.283/FL 450	0.262/FL 450	
Certification Basis		FAR 25, 1998/2004/08/22 pending *5.7 optional. **0.7 optional. ***Per Textron marketing materials. All data preliminary.	FAR 25, 2015 Garmin G5000.	RBAC/FAR 25, 2015/19; EASA CS 25, 2015/19 Mod: DCA 0550-000-00100-2018	ANAC, 2019; RBAC/FAR/EASA CS 25, 2014/19 Mod: DCA 0550-000-00026-2016	FAR 25, 2012; EASA CS 25, 2013	FAR 25 A98; JAR 25 Chg. 15 Collins Pro Line 21 Advanced.	

JETS ≥20,000-LB. MTOW

Manufacturer		Textron Aviation	Bombardier	Dassault	Gulfstream Aero.	Dassault	
Model		Citation Longitude CE-700	Challenger 650 CL-600-2B16	Falcon 2000LXS Falcon 2000EX	Gulfstream G400 GVII-6400	Falcon 900LX Falcon 900EX	
BCA Equipped Price		\$29,995,000	\$33,300,000	\$37,200,000	\$42,250,000	\$45,500,000	
Characteristics	Seating	2+8/12/12	2+12/13/19	2+8/10/19	2+11/19/19	2+12/12/19	
	Wing Loading/Power Loading	73.5/2.58	98.6/2.61	81.2/3.06	73.5/2.59	92.9/3.27	
External Dimensions (ft.)	Length	73.2	68.4	66.3	86.2	66.3	
	Height	19.4	20.7	23.3	25.3	25.2	
	Span	68.9	64.3	70.2	86.3	70.2	
Internal Dimensions (ft.)	Length: Main Seating/Net/Gross	16.5/25.2/28.1	15.4/25.6/28.3	17.1/26.2/31.0	20.4/36.3/42.4	23.5/33.2/39.3	
	Height/Dropped Aisle Depth	6.0/flat floor	6.0/flat floor	6.2/flat floor	6.2/flat floor	6.2/flat floor	
Baggage	Width: Max/Floor	6.4/4.1	7.9/6.9	7.7/6.3	7.6/6.1	7.7/6.3	
	Internal: Cu. ft./lb.	112/1,115	112/900	131/1,600	175/2,250	127/2,866	
Power	External: Cu. ft./lb.	NA/NA	—/—	8/92	—/—	—/—	
	Engines	2 Hon HTF7700L	2 GE CF34-3B	2 P&WC PW308C	2 P&WC PW812GA	3 Hon TFE731-60	
Weights (lb.)	Output (lb. each)/Flat Rating	7,665/ISA+19C	9,220*/ISA+15C	7,000/ISA+15C	13,486/NA	5,000/ISA+17C	
	Inspection Interval/Manu. Service Plan Interval	OC/—	OC/—	7,000c/—	OC/—	6,000c/—	
	Max Ramp	39,700	48,300	43,000	70,250	49,200	
	Max Takeoff	39,500	48,200	42,800	69,850	49,000	
	Max Landing	33,500	38,000	39,300	60,000	44,500	
	Zero Fuel	26,800c	32,000c	29,700c	47,150c	30,864c	
	BOW	23,600	27,150	24,750	43,100	26,750	
	Max Payload	3,200	4,850	4,950	4,050	4,114	
	Useful Load	16,100	21,150	18,250	27,150	22,450	
	Max Fuel	14,500	19,852	16,660	25,350	20,905	
Limits	Available Payload w/Max Fuel	1,600	1,298	1,590	1,800	1,545	
	Available Fuel w/Max Payload	12,900	16,300	13,300	23,100	18,336	
	Mmo	0.840	0.850	0.862	0.900	0.870	
	Trans. Alt. FL/Vmo	FL 293/325	FL 222/348	FL 250/370	NA/NA	FL 250/370	
Airport Performance	PSI/Sea-Level Cabin	9.7/26,800	8.8/23,000	9.3/25,300	10.7/31,900	9.6/25,300	
	TOFL (SL elev./ISA temp.)	4,810	5,640	4,675	5,000	5,360	
	TOFL (5,000-ft. elev.@25C)	6,810	9,025	6,840	6,900	7,615	
	Mission Weight	38,725	48,200	42,010	69,850	48,255	
	NBAA IFR Range	3,500	4,044	4,100	4,270	4,685	
	V2	136	147	127	NA	134	
Climb	Vref	110	117	106	NA	111	
	Landing Distance	2,595	2,368	2,295	NA	2,455	
	Time to Climb/Altitude	13/FL 370	21/FL 370	17/FL 370	NA/NA	19/FL 370	
	FAR 25 Engine-Out Rate (fpm)	1,330	NA	463	NA	723	
Ceilings (ft.)	FAR 25 Engine-Out Gradient (ft./nm)	456	NA	221	NA	324	
	Certificated	45,000	41,000	47,000	51,000	51,000	
Cruise	All-Engine Service	43,000	37,200	42,315	NA	39,630	
	Engine-Out Service	28,420	20,000	21,010	NA	24,980	
	Long Range	TAS/Fuel Flow (lb./hr)	449/1,478	424/1,828	437/1,485	NA/NA	431/1,665
	Altitude/Specific Range	FL 450/0.304	FL 410/0.232	FL 450/0.294	NA/NA	FL 430/0.259	
NBAA IFR Ranges (FAR Part 23, 100-nm alternate; FAR Part 25, 200-nm alternate)	High Speed	TAS/Fuel Flow (lb./hr)	478/1,937	470/2,089	483/2,325	NA/NA	474/2,225
	Altitude/Specific Range	FL 430/0.247	FL 410/0.225	FL 390/0.208	NA/NA	FL 390/0.213	
Missions (4 passengers)	Max Payload (w/available fuel)	Nautical Miles	3,074	3,015	2,915	NA	3,790
	Average Speed	452	416	427	NA	422	
	Trip Fuel	11,600	14,255	11,438	NA	16,340	
	Specific Range/Altitude	0.265/FL 450	0.212/FL 410	0.255/FL 450	NA/NA	0.232/FL 430	
	Max Fuel (w/available payload)	Nautical Miles	3,422	3,979	3,990	NA	4,565
	Average Speed	453	418	430	NA	421	
Remarks	Trip Fuel	12,763	17,940	14,798	NA	18,909	
	Specific Range/Altitude	0.268/FL 450	0.222/FL 410	0.270/FL 470	NA/NA	0.241/FL 430	
	Four Passengers (w/available fuel)	Nautical Miles	3,500	4,025	4,065	NA	4,650
	Average Speed	454	419	430	NA	420	
	Trip Fuel	12,763	17,959	14,798	NA	18,909	
	Specific Range/Altitude	0.274/FL 450	0.224/FL 410	0.275/FL 470	NA/NA	0.246/FL 430	
Missions (4 passengers)	Ferry	Nautical Miles	3,500	4,100	4,155	NA	4,740
	Average Speed	454	418	431	NA	419	
	Trip Fuel	12,787	17,988	14,798	NA	18,909	
	Specific Range/Altitude	0.274/FL 450	0.228/FL 410	0.281/FL 470	NA/NA	0.251/FL 430	
	300 nm	Runway	2,744	3,387	2,795	NA	2,730
	Flight Time	0+44	0+48	0+47	NA	0+47	
Fuel Used	1,516	1,573	1,525	NA	1,595		
Missions (4 passengers)	Specific Range/Altitude	0.198/FL 450	0.191/FL 410	0.197/FL 470	NA/NA	0.188/FL 470	
	600 nm	Runway	2,880	3,415	2,855	NA	2,865
	Flight Time	1+23	1+28	1+27	NA	1+27	
	Fuel Used	2,457	2,810	2,465	NA	2,625	
	Specific Range/Altitude	0.244/FL 450	0.214/FL 410	0.243/FL 470	NA/NA	0.229/FL 470	
	1,000 nm	Runway	3,025	3,444	2,920	NA	2,880
Flight Time	2+16	2+20	2+20	NA	2+20		
Fuel Used	3,746	4,502	3,755	NA	4,070		
Specific Range/Altitude	0.267/FL 450	0.222/FL 410	0.266/FL 470	NA/NA	0.246/FL 450		
Remarks	Certification Basis	FAR 25, 2019 Garmin G5000.	FAR 25, 1980/83/87/95/2006/15 Collins Pro Line 21 Advanced; *9,220 max takeoff; 8,729 normal takeoff.	FAR/EASA CS 25, 2013 EASY II flight deck; 2025 delivery price; FalconEye available.	FAR 25 pending; EASA CS 25 pending Note: First flight, Aug. 15, 2024.	FAR 25/EASA CS 25, 1979/2010 EASY II flight deck; 2025 delivery price; FalconEye available.	

2025 BUSINESS AIRPLANES

JETS ≥20,000-LB. MTOW

Manufacturer		Bombardier	Gulfstream Aero.	Dassault	Airbus	Airbus		
Model		Global 5500 BD-700-1A11	Gulfstream G500 GVII-G500	Falcon 6X	ACJ320Twenty BD500-1A10	ACJ320neo A320-271N*		
<b>BCA Equipped Price</b>		\$47,900,000	\$50,750,000	\$57,100,000	\$82,000,000*	\$117,000,000**		
Characteristics	Seating	3+13/16/19	2+13/19/19	3+12/16/19	5+8/19/135**	4+19/NA/195***		
	Wing Loading/Power Loading	90.6/3.06	83.8/2.63	99.4/2.87	116.2/2.88	132.1/3.25		
	Noise (EPNdB): Lateral/Flyover/Approach	88.9/79.7/89.4	87.7/75.3/91.0	91.1/80.8/89.8	87.9/79.6/91.3	86.4/81.7/92.4		
External Dimensions (ft.)	Length	96.8	91.2	84.3	114.8	123.3		
	Height	25.5	25.5	24.5	38.7	38.6		
	Span	94.0	86.3	85.1	115.1	117.4		
Internal Dimensions (ft.)	Length: Main Seating/Net/Gross	27.2/40.7/45.7	26.3/41.5/47.6	27.5/40.3/46.0	51.6/78.1/78.1	91.0/91.0/91.0		
	Height/Dropped Aisle Depth	6.2/flat floor	6.2/flat floor	6.5/flat floor	6.9/flat floor	7.4/flat floor		
	Width: Max/Floor	7.9/6.5	7.6/6.1	8.5/7.2	10.8/10.1	12.1/11.7		
Baggage	Internal: Cu. ft./lb.	195/1,000	175/2,250	155/2,210	150***NA	NA/NA		
	External: Cu. ft./lb.	—/—	—/—	8/92	177/2,300	650/NA		
Power	Engines	2 RR BR700-710D5-21*	2 P&WC PW814GA	2 P&WC PW812D	2 P&W PW1524G****	2 P&W PW1127G		
	Output (lb. each)/Flat Rating	15,125/ISA+15C	15,144/ISA+15C	13,500/ISA+20C	24,400/ISA+15C	26,800/ISA+15C		
	Inspection Interval/Manu. Service Plan Interval	OC/—	OC/—	OC/—	OC/—	OC/—		
Weights (lb.)	Max Ramp	92,750	80,000	77,900	141,000	175,045		
	Max Takeoff	92,500	79,600	77,500	140,500	174,165		
	Max Landing	78,600	64,350	66,200	112,500	148,592		
	Zero Fuel	58,000c	52,100c	45,900c	108,000c	141,757c		
	BOW	50,861	46,850	41,400	87,675***	110,000****		
	Max Payload	7,139	5,250	4,500	20,325	31,757		
	Useful Load	41,889	33,150	36,500	53,325	65,045		
	Max Fuel	38,967	30,250	33,800	50,578	60,812		
	Available Payload w/Max Fuel	2,922	2,900	2,700	2,747	4,233		
Limits	Available Fuel w/Max Payload	34,750	27,900	32,000	33,000	33,288		
	Mmo	0.900	0.925	0.900	0.820	0.820		
	Trans. Alt. FL/Vmo	FL 308/340	FL 290/340	FL 295/350	FL 275/330	FL 250/350		
Airport Performance	PSI/Sea-Level Cabin	10.3/30,125	10.7/31,900	10.4/31,000	9.3/NA	9.2/NA		
	TOFL (SL elev./ISA temp.)	5,340	5,300	5,115	5,478	6,333		
	TOFL (5,000-ft. elev.@25C)	7,284	7,300	6,760	8,706	8,189		
	Mission Weight	92,500	79,600	75,840	140,500	174,165		
	NBAA IFR Range	6,310	5,400	5,600	5,686	6,000		
	V2	133	148	138	NA	NA		
	Vref	108	117	109	110	115		
Climb	Landing Distance	2,195	2,645	2,420	2,300	2,565		
	Time to Climb/Altitude	18/FL 370	16/FL 370	22/FL 370	23/FL 370	19/FL 350		
	FAR 25 Engine-Out Rate (fpm)	NA	644	420	NA	NA		
Ceilings (ft.)	FAR 25 Engine-Out Gradient (ft./nm)	NA	261	98	NA	NA		
	Certificated	51,000	51,000	51,000	41,000	41,000		
	All-Engine Service	41,000	43,400	41,500	41,000	41,000		
Cruise	Engine-Out Service	25,100	27,400	19,500	24,000	23,000		
	Long Range	TAS/Fuel Flow (lb./hr)	488/2,815	488/2,417	459/2,450	432/3,507***	447/4,046****	
		Altitude/Specific Range	FL 450/0.173	FL 470/0.202	FL 450/0.187	FL 410/0.123	FL 410/0.110	
	High Speed	TAS/Fuel Flow (lb./hr)	505/3,016	516/3,048	499/3,310	465/3,937***	465/4,681****	
Altitude/Specific Range		FL 410/0.167	FL 430/0.169	FL 410/0.151	FL 410/0.118	FL 410/0.099		
NBAA IFR Ranges (FAR Part 23, 100-nm alternate; FAR Part 25, 200-nm alternate)	Max Payload (w/available fuel)	Nautical Miles	5,037	4,670	4,980	3,105	2,500	
		Average Speed	477	480	453	422	447	
		Trip Fuel	31,785	24,987	29,106	28,150	27,152	
	Max Fuel (w/available payload)	Specific Range/Altitude	0.158/FL 470	0.187/FL 490	0.171/FL 490	0.110/FL 390	0.092/FL 370	
		Nautical Miles	5,893	5,238	5,380	5,684	6,000	
		Average Speed	479	481	454	427	NA	
	Four Passengers (w/available fuel)	Trip Fuel	36,124	27,406	30,906	46,528***	55,832	
		Specific Range/Altitude	0.163/FL 470	0.191/FL 490	0.174/FL 490	0.122/FL 410	0.107/FL 410	
		Nautical Miles	6,038	5,408	5,580	5,724	6,060	
	Ferry	Average Speed	479	481	454	427	NA	
		Trip Fuel	36,186	27,468	31,146	46,550	55,368	
		Specific Range/Altitude	0.167/FL 490	0.197/FL 510	0.179/FL 490	0.123/FL 410	0.109/FL 410	
Missions (4 passengers)	300 nm	Nautical Miles	6,095	5,476	5,655	5,763	6,100	
		Average Speed	479	481	454	427	NA	
		Trip Fuel	36,209	27,491	31,146	46,571	55,394	
	600 nm	Specific Range/Altitude	0.168/FL 490	0.199/FL 510	0.182/FL 490	0.124/FL 410	0.110/FL 410	
		Runway	2,540	3,595	2,835	3,201	3,235	
		Flight Time	0+47	0+45	0+45	0+53	0+53	
	1,000 nm	Fuel Used	2,542	2,405	2,235	3,264	3,489	
		Specific Range/Altitude	0.118/FL 430	0.125/FL 470	0.134/FL 490	0.092/FL 390	0.086/FL 370	
		Runway	2,557	3,615	2,850	3,268	3,297	
	Remarks	Certification Basis	Flight Time	1+25	1+22	1+24	1+36	1+34
			Fuel Used	4,008	3,659	3,555	5,330	5,790
			Specific Range/Altitude	0.150/FL 490	0.164/FL 510	0.169/FL 490	0.113/FL 410	0.104/FL 410
Remarks	Certification Basis	Runway	2,583	3,640	2,865	3,327	3,402	
		Flight Time	2+14	2+11	2+17	2+34	2+27	
		Fuel Used	6,033	5,351	5,370	8,136	8,780	
Remarks	Certification Basis	Specific Range/Altitude	0.166/FL 490	0.187/FL 510	0.186/FL 490	0.123/FL 410	0.114/FL 410	
		FAR 25, 1998/2004/19; EASA 25, 2004	FAR 25, 2018; EASA CS 25, 2019	FAR/EASA CS 25, 2023	FAR 25, 2015	FAR 25, 1999/2016		
		Global Vision flight deck; ModSums: 700T901902, 700T03185, 700T63572. *Marketed as Pearl 15.		EASy IV flight deck; DFCS; 2025 delivery price; FalconEye; Dual HUD with FalconEye available.	**BCA estimate. ***Airliner configuration. ****ACJ estimate. **Also available with PW1521G rated at 21,000 lbf; includes five additional center tanks and VIP cabin.	**Also available as -251N with CFM LEAP 1A-26 engines rated at 26,600 lbf; includes four additional center tanks and VIP cabin. **BCA estimate. ***Airliner configuration. ****ACJ estimate.		

# ULTRA-LONG-RANGE JETS

Manufacturer		Bombardier	Gulfstream Aero.	Dassault	Gulfstream Aero.	Gulfstream Aero.		
Model		Global 6500 BD-700-1A10	G600 GVII-600	Falcon 8X Falcon 7X	G650 GVI	G650ER GVI		
<b>BCA Equipped Price</b>		\$58,000,000	\$60,750,000	\$67,700,000	\$68,500,000	\$70,500,000		
Characteristics	Seating	4+13/17/19	4+16/19/19	3+12/14/19	4+16/19/19	4+16/19/19		
	Wing Loading/Power Loading	97.5/3.29	81.5/3.02	95.9/3.62	77.6/2.95	80.7/3.07		
	Noise (EPNdB): Lateral/Flyover/Approach	88.7/82.2/89.4	88.3/78.3/91.3	88.7/80.1/90.6	89.8/77.5/88.3	89.6/78.7/88.3		
External Dimensions (ft.)	Length	99.4	96.1	80.2	99.8	99.8		
	Height	25.5	25.3	26.1	25.7	25.7		
	Span	94.0	94.1	86.3	99.6	99.6		
Internal Dimensions (ft.)	Length: Main Seating/Net/Gross	27.3/43.3/48.3	32.0/45.2/51.3	29.8/42.7/50.1	32.7/46.8/53.6	32.7/46.8/53.6		
	Height/Dropped Aisle Depth	6.2/flat floor	6.2/flat floor	6.2/flat floor	6.3/flat floor	6.3/flat floor		
	Width: Max/Floor	7.9/6.5	7.6/6.1	7.7/6.3	8.2/6.7	8.2/6.7		
Baggage	Internal: Cu. ft./lb.	195/1,000	175/2,500	140/2,004	195/2,500	195/2,500		
	External: Cu. ft./lb.	—/—	—/—	—/—	—/—	—/—		
Power	Engines	2 RR BR700-710D5-21*	2 P&WC PW815GA	3 P&WC PW307D	2 RR BR700-725A1-12	2 RR BR700-725A1-12		
	Output (lb. each)/Flat Rating	15,125/ISA+15C	15,680/ISA+15C	6,722/ISA+17C	16,900/ISA+15C	16,900/ISA+15C		
Weights (lb.)	Inspection Interval/Manu. Service Plan Interval	OC/—	OC/—	7,200c/—	10,000t/—	10,000t/—		
	Max Ramp	99,750	95,000	73,200	100,000	104,000		
	Max Takeoff	99,500	94,600	73,000	99,600	103,600		
	Max Landing	78,600	76,800	62,400	83,500	83,500		
	Zero Fuel	58,000c	57,440c	41,000c	60,500c	60,500c		
	BOW	52,230	50,900	36,800	54,500	54,500		
	Max Payload	5,770	6,540	4,200	6,000	6,000		
	Useful Load	47,520	44,100	36,400	45,500	49,500		
	Max Fuel	44,715	41,500	35,141	44,200	48,200		
	Available Payload w/Max Fuel	2,805	2,600	1,259	1,300	1,300		
Limits	Available Fuel w/Max Payload	41,750	37,560	32,200	39,500	43,500		
	MMO	0.900	0.925	0.900	0.925	0.925		
Airport Performance	Trans. Alt. FL/WMO	FL 308/340	FL 290/340	FL 270/370	FL 290/340	FL 290/340		
	PSI/Sea-Level Cabin	10.3/30,125	10.7/31,900	10.2/30,300	10.7/31,900	10.7/31,900		
	TOFL (SL elev./ISA temp.)	6,145	5,700	5,880	5,858	6,299		
Airport Performance	TOFL (5,000-ft. elev.@25C)	8,509	8,493	8,540	8,771	11,131		
	Mission Weight	99,500	94,600	72,591	99,600	103,600		
	NBAA IFR Range	6,990	6,630	6,415	6,890	7,437		
	V2	138	142	138	146	148		
	VREF	109	109	107	115	115		
	Landing Distance	2,231	2,365	2,245	2,445	2,445		
	Time to Climb/Altitude	21/FL 370	18/FL 370	20/FL 370	19/FL 370	21/FL 370		
Climb	FAR 25 Engine-Out Rate (fpm)	NA	403	774	503	435		
	FAR 25 Engine-Out Gradient (ft./nm)	NA	170	339	207	176		
	Certificated	51,000	51,000	51,000	51,000	51,000		
Ceiling (ft.)	All-Engine Service	41,000	41,900	40,075	41,300	40,600		
	Engine-Out Service	22,000	24,200	26,645	24,900	23,700		
	TAS	488	488	459	488	488		
Cruise	Long Range	Fuel Flow	2,986	2,809	2,254	2,865	2,930	
		Altitude	FL 430	FL 450	FL 430	FL 450	FL 450	
		Specific Range	0.163	0.174	0.204	0.170	0.167	
	High Speed	TAS	505	516	497	516	516	
		Fuel Flow	3,094	3,590	3,172	3,679	3,730	
		Altitude	FL 410	FL 410	FL 390	FL 410	FL 410	
NBAA IFR Ranges (200-nm alternate)	Max Payload (w/available fuel)	Specific Range	0.163	0.144	0.157	0.140	0.138	
		Nautical Miles	5,954	5,665	5,555	5,912	6,459	
		Average Speed	478	481	452	481	481	
	Max Fuel (w/available payload)	Trip Fuel	38,783	34,478	29,507	36,285	40,285	
		Specific Range/Altitude	0.154/FL 470	0.164/FL 470	0.188/FL 470	0.163/FL 490	0.160/FL 490	
		Nautical Miles	6,547	6,544	6,325	6,959	7,507	
	Eight Passengers (w/available fuel)	Average Speed	479	482	453	482	482	
		Trip Fuel	41,835	38,518	32,558	41,129	45,129	
		Specific Range/Altitude	0.156/FL 470	0.170/FL 490	0.194/FL 470	0.169/FL 510	0.166/FL 510	
	Ferry	Nautical Miles	6,636	6,630	6,235	6,890	7,437	
		Average Speed	480	481	453	482	482	
		Trip Fuel	41,870	38,543	32,204	40,820	44,820	
Missions (8 passengers)	1,000 nm	Specific Range/Altitude	0.158/FL 470	0.172/FL 490	0.194/FL 470	0.169/FL 510	0.166/FL 510	
		Nautical Miles	6,754	6,767	6,475	7,083	7,636	
		Average Speed	480	483	454	482	482	
	3,000 nm	Trip Fuel	41,916	38,584	32,653	41,168	45,168	
		Specific Range/Altitude	0.161/FL 490	0.175/FL 490	0.198/FL 470	0.172/FL 510	0.169/FL 510	
		Nautical Miles	6,754	6,767	6,475	7,083	7,636	
	6,000 nm	Average Speed	480	483	454	482	482	
		Trip Fuel	41,916	38,584	32,653	41,168	45,168	
		Specific Range/Altitude	0.161/FL 490	0.175/FL 490	0.198/FL 470	0.172/FL 510	0.169/FL 510	
	Remarks	Certification Basis	Runway	2,718	3,655	2,715	3,300	3,300
			Flight Time	2+14	2+10	2+12	2+10	2+10
			Fuel Used	6,219	5,872	5,440	5,942	5,942
Specific Range/Altitude			0.161/FL 490	0.170/FL 510	0.184/FL 450	0.168/FL 510	0.168/FL 510	
Runway			3,487	3,870	3,730	3,590	3,590	
Flight Time			6+21	6+17	6+19	6+17	6+17	
Fuel Used			17,490	16,102	15,945	16,280	16,280	
Specific Range/Altitude			0.172/FL 490	0.186/FL 490	0.188/FL 450	0.184/FL 510	0.184/FL 510	
Runway			5,482	5,115	5,785	5,240	5,240	
Flight Time			12+32	12+26	12+45	12+28	12+28	
Fuel Used			37,302	34,243	32,200	34,622	34,622	
Specific Range/Altitude			0.161/FL 490	0.175/FL 490	0.186/FL 470	0.173/FL 510	0.173/FL 510	
Remarks		FAR 25, 1998/2003/19; EASA CS 25, 1998/2019 BEVS and Global Vision flight deck standard. ModSums: 700T901901, 700T03185, 700T63572. *Marketed as Pearl 15.	FAR 25, 2019; EASA CS 25, 2020	FAR/EASA CS 25, 2016 EASy IV flight deck; DFCs; 2025 delivery price; FalconEye; Dual HUD with FalconEye available.	FAR, EASA CS 25, 2012	FAR 25, 2014; EASA CS 25, 2018; ASC 014		

ULTRA-LONG-RANGE JETS

Manufacturer		Global 7500	Global 7500	Global 7500	Global 7500	
Model		Global 7500	Global 7500	Global 7500	Global 7500	
BCA Equipped Price		\$76,500,000	\$78,000,000	\$81,000,000	\$82,000,000	
Characteristics	Seating	4+16/19/19	4+17/19/19	4+17/19/19	4+16/19/19	
	Wing Loading/Power Loading	82.2/2.89	91.6/3.04	91.6/3.04	83.8/2.95	
	Noise (EPNdB): Lateral/Flyover/Approach	NA/NA/NA	91.6/80.3/88.8	91.6/80.3/88.8	88.3/75.6/88.1	
External Dimensions (ft.)	Length	99.8	111.0	111.0	109.9	
	Height	25.5	27.0	27.0	25.4	
	Span	103.0	104.0	104.0	103.0	
Internal Dimensions (ft.)	Length: Main Seating/Net/Gross	32.7/46.8/53.6	36.0/54.4/60.6	36.0/54.4/60.6	40.8/56.9/63.7	
	Height/Dropped Aisle Depth	6.3/flat floor	6.2/flat floor	6.2/flat floor	6.3/flat floor	
	Width: Max/Floor	8.2/6.7	8.0/6.8	8.0/6.8	8.2/6.7	
Baggage	Internal: Cu. ft./lb.	195/2,500	195/2,500	195/2,500	195/2,500	
	External: Cu. ft./lb.	—/—	—/—	—/—	—/—	
Power	Engines	2 RR BR700-730B2-14*	2 GE Passport 20-19BB1A	2 GE Passport 20-19BB1B	2 RR BR700-730B2-14*	
	Output (lb. each)/Flat Rating	18,250/ISA+15C	18,920/ISA+15C	18,920/ISA+15C	18,250/ISA+15C	
	Inspection Interval/Manu. Service Plan Interval	OC/—	OC/—	OC/—	OC/—	
Weights (lb.)	Max Ramp	106,000	115,100	115,100	108,000	
	Max Takeoff	105,600	114,850	114,850	107,600	
	Max Landing	83,500	87,600	87,600	83,500	
	Zero Fuel	60,500c	67,500c	67,500c	62,750c	
	BOW	54,300	61,700	60,900	57,375**	
	Max Payload	6,200	5,800	6,600	5,375	
	Useful Load	51,700	53,400	54,200	50,625	
	Max Fuel	49,400	51,510	51,925	49,400	
	Available Payload w/Max Fuel	2,300	1,890	2,275	1,225	
	Available Fuel w/Max Payload	45,500	47,600	47,600	45,250	
Limits	MMO	0.925	0.925	0.940	0.935	
	Trans. Alt. FL/WMO	FL 290/340	FL 350/320	FL 350/320	FL 290/340	
	PSI/Sea-Level Cabin	10.7/31,900	10.3/30,125	10.7/31,900	10.7/31,900	
Airport Performance	TOFL (SL elev./ISA temp.)	6,000	5,760	5,760	5,995	
	TOFL (5,000-ft. elev.@25C)	9,872	8,679	8,679	9,751	
	Mission Weight	105,600	114,850	114,850	107,600	
	NBAA IFR Range	8,025	7,800	8,030	7,765	
	V2	NA	137	137	154	
	VREF	115	108	108	118	
	Landing Distance	2,500	2,240	2,216	2,552	
Climb	Time to Climb/Altitude	17/FL 370	20/FL 370	20/FL 370	17/FL 370	
	FAR 25 Engine-Out Rate (fpm)	NA	NA	NA	NA	
	FAR 25 Engine-Out Gradient (ft./nm)	NA	NA	NA	NA	
Ceiling (ft.)	Certificated	51,000	51,000	51,000	51,000	
	All-Engine Service	NA	43,000	43,000	43,000	
	Engine-Out Service	NA	26,600	26,600	23,200	
Cruise	Long Range	TAS	488	488	488	
		Fuel Flow	2,800	2,983	2,924	2,904
		Altitude	FL 450	FL 450	FL 450	FL 450
	High Speed	Specific Range	0.174	0.164	0.167	0.168
		TAS	516	516	516*	516
		Fuel Flow	3,438	3,207	3,099	3,598
NBAA IFR Ranges (200-nm alternate)	Max Payload (w/available fuel)	Altitude	FL 430	FL 450	FL 470	FL 430
		Specific Range	0.150	0.161	0.167	0.143
		Nautical Miles	7,050	6,930	7,031	6,835
		Average Speed	482	482	481	482
	Max Fuel (w/available payload)	Trip Fuel	42,522	44,501	44,510	42,070
		Specific Range/Altitude	0.166/FL 490	0.156/FL 510	0.158/FL 510	0.162/FL 470
		Nautical Miles	7,952	7,700	7,949	7,745
		Average Speed	483	482	482	483
	Eight Passengers (w/available fuel)	Trip Fuel	46,526	48,512	48,921	46,334
		Specific Range/Altitude	0.171/FL 510	0.159/FL 510	0.162/FL 510	0.167/FL 490
		Nautical Miles	8,025	7,770	8,006	7,765
		Average Speed	483	483	482	483
Ferry	Trip Fuel	46,544	48,526	48,940	46,340	
	Specific Range/Altitude	0.172/FL 510	0.160/FL 510	0.164/FL 510	0.168/FL 490	
	Nautical Miles	8,190	7,903	8,143	7,920	
	Average Speed	483	483	482	483	
Missions (8 passengers)	1,000 nm	Trip Fuel	46,587	48,570	48,986	46,384
		Specific Range/Altitude	0.176/FL 510	0.163/FL 510	0.166/FL 510	0.171/FL 490
		Runway	3,500	3,375	3,364	2,960
		Flight Time	2+10	2+11	2+11	2+10
	3,000 nm	Fuel Used	5,621	6,191	6,089	5,852
		Specific Range/Altitude	0.178/FL 510	0.162/FL 510	0.164/FL 510	0.171/FL 490
		Runway	3,660	3,510	3,495	3,320
		Flight Time	6+17	6+18	6+18	6+17
	6,000 nm	Fuel Used	15,396	17,002	16,713	16,050
		Specific Range/Altitude	0.195/FL 510	0.176/FL 510	0.180/FL 510	0.187/FL 490
		Runway	4,490	4,573	4,430	4,690
		Flight Time	12+27	12+28	12+28	12+27
Remarks		Certification Basis		Certification Basis		
		FAR 25 pending; EASA CS 25 pending *Marketed as Pearl 700.		FAR 25, 2018; EASA CS 25, 2019		
				FAR 25, 2018; EASA CS 25, 2019 *Mach 0.920 alternate high-speed cruise but reduced range. All data preliminary.		
				FAR 25, 2024; EASA CS 25, 2024 *Marketed as Pearl 700. **BCA Determined.		

## ULTRA-LONG-RANGE JETS

Manufacturer		Boeing	Airbus	Boeing	Boeing	
Model		BBJ MAX7 737-7	ACJ319neo A319-153N*	BBJ MAX8 737-8	BBJ MAX9 737-9	
<b>BCA Equipped Price</b>		\$97,500,000*	\$107,500,000**	\$115,000,000*	\$124,000,000*	
Characteristics	Seating	4+19/NA/172	4+19/NA/160***	4+19/NA/189	4+19/NA/220	
	Wing Loading/Power Loading	132.0/3.35	130.8/3.22	135.1/3.25	145.2/NA	
	Noise (EPNdB): Lateral/Flyover/Approach	NA/NA/NA	86.1/80.7/91.8	88.5/82.6/94.2	NA/NA/NA	
External Dimensions (ft.)	Length	116.7	111.0	129.7	138.2	
	Height	40.3	38.6	40.3	40.3	
	Span	117.8	117.4	117.8	117.8	
Internal Dimensions (ft.)	Length: Main Seating/Net/Gross	85.7/85.7/85.7	79.0/79.0/79.0	98.5/98.5/98.5	107.2/107.2/107.2	
	Height/Dropped Aisle Depth	7.1/flat floor	7.4/flat floor	7.1/flat floor	7.1/flat floor	
Baggage	Width: Max/Floor	11.6/10.7	12.1/11.7	11.6/10.7	11.6/10.7	
	Internal: Cu. ft./lb.	NA/NA	NA/NA	NA/NA	NA/NA	
Power	External: Cu. ft./lb.	274/NA	128/NA	593/NA	775/NA	
	Engines	2 CFMI LEAP-1B27	2 P&W PW1127G	2 CFMI LEAP-1B28	2 CFMI LEAP-1B28	
Weights (lb.)	Output (lb. each)/Flat Rating	26,400/ISA+15C	26,800/ISA+15C	27,900/ISA+15C	27,900/ISA+15C	
	Inspection Interval/Manu. Service Plan Interval	OC/—	OC/—	OC/—	OC/—	
Limits	Max Ramp	177,500	173,283	181,700	195,200	
	Max Takeoff	177,000	172,401	181,200	194,700	
	Max Landing	145,600	140,875	152,800	163,900	
	Zero Fuel	138,700c	116,845c	145,400c	156,500c	
	BOW	101,550	104,000****	105,200	111,750	
	Max Payload	37,150	12,845	40,200	44,750	
	Useful Load	75,950	69,283	76,500	83,450	
	Max Fuel	67,690	66,209	69,553	73,097	
Airport Performance	Available Payload w/Max Fuel	8,260	3,074	6,947	10,353	
	Available Fuel w/Max Payload	38,800	56,438	36,300	38,700	
Limits	MMO	0.820	0.820	0.820	0.820	
	Trans. Alt. FL/VMO	FL 260/340	FL 250/350	FL 260/340	FL 260/340	
Airport Performance	PSI/Sea-Level Cabin	9.0/24,000	9.2/NA	9.0/24,000	9.0/24,000	
	TOFL (SL elev./ISA temp.)	6,820	6,217	6,600	8,380	
	TOFL (5,000-ft. elev.@25C)	NA	8,189	NA	NA	
	Mission Weight	NA	172,401	NA	NA	
	NBAA IFR Range	6,810	6,750	6,680	6,600	
	V2	NA	NA	NA	NA	
	VREF	118	119	120	122	
	Landing Distance	2,360	2,740	2,335	2,520	
Climb	Time to Climb/Altitude	23/FL 360	19/FL 350	25/FL 360	25/FL 340	
	FAR 25 Engine-Out Rate (fpm)	NA	NA	NA	NA	
	FAR 25 Engine-Out Gradient (ft./nm)	NA	NA	NA	NA	
Ceiling (ft.)	Certificated	41,000	41,000	41,000	41,000	
	All-Engine Service	41,000	41,000	41,000	41,000	
	Engine-Out Service	NA	24,000	NA	NA	
Cruise	Long Range	TAS	456	447	456	
		Fuel Flow	4,903	4,004****	5,182	5,630
		Altitude	FL 410	FL 410	FL 410	FL 410
	High Speed	Specific Range	0.093	0.112	0.088	0.081
		TAS	471	465	471	471
		Fuel Flow	4,529	4,637****	4,710	5,120
NBAA IFR Ranges (200-nm alternate)	Max Payload (w/available fuel)	Altitude	FL 410	FL 410	FL 410	
		Specific Range	0.104	0.100	0.100	0.092
		Nautical Miles	3,060	5,250	2,655	2,615
	Max Fuel (w/available payload)	Average Speed	439	447	439	439
		Trip Fuel	33,177	51,295	30,419	32,397
		Specific Range/Altitude	0.092/FL 370	0.102/FL 410	0.087/FL 370	0.081/FL 350
	Eight Passengers (w/available fuel)	Nautical Miles	6,525	6,750	6,465	6,255
		Average Speed	448	442	450	450
Trip Fuel		63,026	61,436	64,874	68,030	
Ferry	Specific Range/Altitude	0.104/FL 410	0.110/FL 410	0.100/FL 410	0.092/FL 410	
	Nautical Miles	6,810	6,750	6,680	6,600	
	Average Speed	448	442	450	450	
Missions (8 passengers)	1,000 nm	Trip Fuel	63,214	61,436	64,981	68,195
		Specific Range/Altitude	0.108/FL 410	0.110/FL 410	0.103/FL 410	0.097/FL 410
		Nautical Miles	6,885	6,870	6,755	6,660
	3,000 nm	Average Speed	448	NA	450	450
		Trip Fuel	63,250	60,994	65,022	68,212
		Specific Range/Altitude	0.109/FL 410	0.113/FL 410	0.104/FL 410	0.098/FL 410
	6,000 nm	Runway	3,640	3,543	3,345	3,630
		Flight Time	2+26	2+26	2+25	2+25
Fuel Used		8,909	8,591	9,255	9,793	
Remarks	Specific Range/Altitude	0.112/FL 410	0.116/FL 410	0.108/FL 410	0.102/FL 410	
	Runway	3,940	4,114	4,055	4,505	
	Flight Time	6+51	6+54	6+49	6+48	
Remarks	Fuel Used	25,596	25,148	26,782	28,430	
	Specific Range/Altitude	0.117/FL 410	0.119/FL 410	0.112/FL 410	0.106/FL 410	
	Runway	5,480	5,308	5,720	6,545	
Remarks	Flight Time	13+26	13+38	13+23	13+23	
	Fuel Used	54,502	53,086	57,265	61,004	
	Specific Range/Altitude	0.110/FL 410	0.113/FL 410	0.105/FL 410	0.098/FL 410	
Remarks	Certification Basis	FAR 25 A137, A141, 2023 VIP cabin; includes seven auxiliary fuel tanks. *BCA estimate.	FAR 25, 1999/2018 *Also available as -271N with CFM LEAP 1A-26 engines with 26,600 lbf; includes five additional center tanks plus VIP cabin. **BCA estimate. ***Airliner configuration. ****ACJ estimate.	FAR 25 A137, A141, 2017 VIP cabin; includes seven auxiliary fuel tanks. *BCA estimate.	FAR 25 A137, A141, 2018 VIP cabin; Includes eight auxiliary fuel tanks. *BCA estimate.	