

JETS LESS THAN 10,000-LB. MTOW

Manufacturer		Cirrus Design	
Model		Vision SF-50	
B&CA Equipped Price		\$1,960,000	
Characteristics	Seating	1+4/6	
	Wing Loading	30.7	
	Power Loading	1.67	
	Noise (EPNdB): TO/Sideline/APR	NA/NA/NA	
External Dimensions (ft.)	Length	30.9	
	Height	10.5	
	Span	38.3	
Internal Dimensions (ft.)	Length: OA/Net	11.5/9.8	
	Height	4.1	
	Width: Max/Floor	5.1/3.1	
Baggage	Internal: Cu. ft./lb.	24/NA	
	External: Cu. ft./lb.	30/NA	
Power	Engine(s)	1 Wms Intl FJ33-5A	
	Output (lb. each)/Flat Rating	1,800/ISA+10C	
	Inspection Interval	3,500t	
	Max Ramp	6,040	
Weights (lb.)	Max Takeoff	6,000	
	Max Landing	5,550	
	Zero Fuel	4,900c	
	BOW	3,730	
	Max Payload	1,170	
	Useful Load	2,310	
	Executive Payload	800	
	Max Fuel	1,980	
	Available Payload w/Max Fuel	330	
	Available Fuel w/Max Payload	1,140	
	Available Fuel w/Executive Payload	1,510	
Limits	Mmo	0.540	
	Trans. Alt. FL/Vmo	FL 195/250	
	PSI	6.6	
Airport Performance	TOFL (SL elev./ISA temp.)	2,185	
	TOFL (5,000' elev.@25C)	4,395	
	Hot/High Weight Limit	6,000	
	NBAA IFR Range	747	
	V ₂ @SL ISA, MTOW	90	
	V _{REF} w/4 Pax, NBAA IFR Res.	87	
	Landing Distance w/4 Pax, NBAA IFR Res.	2,500	
Climb	Time to Climb/Altitude	NA/FL 370	
	FAR 25 Engine-Out Rate (fpm)	NA	
	FAR 25 Engine-Out Gradient (ft./nm)	NA	
Ceilings (ft.)	Certificated	28,000	
	All-Engine Service Engine-Out Service	28,000	
	Sea-Level Cabin	—	
Cruise	Long Range	TAS	259
		Fuel Flow	368
		Altitude	FL 280
	High Speed	Specific Range	0.704
		TAS	300
		Fuel Flow	469
NBAA IFR Ranges (100-nm alternate)	Max Payload (w/available fuel)	Altitude	FL 280
		Specific Range	0.611/FL 280
		Average Speed	267
		Trip Fuel	771
	Max Fuel (w/available payload)	Nautical Miles	1,120
		Average Speed	260
		Trip Fuel	1,655
		Specific Range/Altitude	0.691/FL 280
	Four Passengers (w/available fuel)	Nautical Miles	714
		Average Speed	278
		Trip Fuel	1,145
		Specific Range/Altitude	0.652/FL 280
Ferry	Nautical Miles	1,154	
	Average Speed	238	
	Trip Fuel	1,610	
	Specific Range/Altitude	0.726/FL 280	
Missions (4 passengers)	300 nm	Runway	1,857
		Flight Time	1+27
		Fuel Used	463
	600 nm	Specific Range/Altitude	0.648/FL 280
		Runway	2,171
		Flight Time	2+43
	1,000 nm	Fuel Used	867
		Specific Range/Altitude	0.692/FL 280
		Runway	2,437
Remarks	Flight Time	4+31	
	Fuel Used	1,426	
	Specific Range/Altitude	0.701/FL 280	
Certification Basis		FAR 23 pending 1,000-nm mission flown with 525-lb. payload.	

JETS LESS THAN 10,000-LB. MTOW

Manufacturer		Eclipse Aerospace	Textron Aviation
Model		Eclipse 550 EA-500	Citation Mustang CE-510
B&CA Equipped Price		\$2,995,000	\$3,350,000
Characteristics	Seating	1+4/5	1+5/5
	Wing Loading	41.0	41.2
	Power Loading	3.33	2.96
Noise (EPNdB): TO/Sideline/APR		69.2/78.9/81.9	73.9/85.0/86.0
External Dimensions (ft.)	Length	33.5	40.6
	Height	11.0	13.4
	Span	37.9	43.2
Internal Dimensions (ft.)	Length: OA/Net	12.3/10.0	9.8/9.8
	Height	4.2	4.5
Baggage	Width: Max/Floor	4.7/3.0	4.6/3.1
	Internal: Cu. ft./lb.	16/260	6/98
Power	External: Cu. ft./lb.	NA/NA	57/620
	Engine(s)	2 P&WC PW610F	2 P&WC PW615F
Weights (lb.)	Output (lb. each)/Flat Rating	900/ISA+10C	1,460/ISA+10C
	Inspection Interval	3,500t	3,500t
	Max Ramp	6,034	8,730
Limits	Max Takeoff	6,000	8,645
	Max Landing	5,600	8,000
	Zero Fuel	4,922c	6,750c
	BOW	3,923	5,600
	Max Payload	999	1,150
	Useful Load	2,111	3,130
	Executive Payload	800	1,000
	Max Fuel	1,680	2,580
	Available Payload w/Max Fuel	431	550
	Available Fuel w/Max Payload	1,112	1,980
Airport Performance	Available Fuel w/Executive Payload	1,311	2,130
	Mwo	0.640	0.630
	Trans. Alt. FL/Vmo PSI	FL 200/285	FL 271/250
Climb	TOFL (SL elev./ISA temp.)	2,394	3,110
	TOFL (5,000' elev.@25C)	4,171	6,600
	Hot/High Weight Limit	5,893	8,645
	NBAA IFR Range	1,015	991
	V2@SL ISA, MTOW	102*	97
Ceilings (ft.)	Vref w/4 Pax, NBAA IFR Res.	89	88
	Landing Distance w/4 Pax, NBAA IFR Res.	2,340	2,137
	Time to Climb/Altitude	25/FL 370	20/FL 370
Cruise	FAR 25 Engine-Out Rate (fpm)	500	432
	FAR 25 Engine-Out Gradient (ft./nm)	294	267
	Certificated	41,000	41,000
NBAARanges (100-nm alternate)	All-Engine Service	41,000	41,000
	Engine-Out Service	25,000	26,900
	Sea-Level Cabin	21,500	21,280
Missions (4 passengers)	TAS	334	319
	Fuel Flow	321	498
	Altitude	FL 410	FL 390
Remarks	Specific Range	1.040	0.641
	TAS	369	339
	Fuel Flow	462	609
NBAARanges (200-nm alternate)	Altitude	FL 350	FL 350
	Specific Range	0.799	0.557
	Nautical Miles	530	716
Missions (300 nm)	Average Speed	307	294
	Trip Fuel	677	1,300
	Specific Range/Altitude	0.783/FL 410	0.551/FL 410
Missions (600 nm)	Nautical Miles	1,125	1,141
	Average Speed	319	304
	Trip Fuel	1,254	1,947
Missions (1,000 nm)	Specific Range/Altitude	0.897/FL 410	0.586/FL 410
	Nautical Miles	825	963
	Average Speed	317	301
Remarks	Trip Fuel	965	1,664
	Specific Range/Altitude	0.855/FL 410	0.579/FL 410
	Nautical Miles	1,190	1,204
Missions (300 nm)	Average Speed	312	315
	Trip Fuel	1,263	1,965
	Specific Range/Altitude	0.942/FL 410	0.613/FL 410
Missions (600 nm)	Runway	2,038	2,498
	Flight Time	0 + 58	1+00
	Fuel Used	456	670
Missions (1,000 nm)	Specific Range/Altitude	0.658/FL 350	0.448/FL 370
	Runway	2,258	2,700
	Flight Time	1 + 46	1+56
Remarks	Fuel Used	837	1,135
	Specific Range/Altitude	0.717/FL 390	0.529/FL 390
	Runway	2,318	3,110
Missions (300 nm)	Flight Time	3 + 04	3+19
	Fuel Used	1,137	1,754
	Specific Range/Altitude	0.880/FL 410	0.570/FL 410
Remarks	FAR 23 2006/2015 1,000 nm mission 3 pax; *V50 used in lieu of V2		FAR 23, 2006 1,000-nm mission flown with 713-lb. payload.

JETS LESS THAN 20,000-LB. MTOW

Manufacturer		Embraer	Honda Aircraft
Model		Phenom 100E EMB-500	HondaJet HA-420
B&CA Equipped Price		\$4,161,000	\$4,500,000
Characteristics	Seating	1+5/7	1+5/6
	Wing Loading	52.5	NA
	Power Loading	3.12	NA
Noise (EPNdB): TO/Sideline/APR		70.4/81.4/86.1	NA/NA/NA
External Dimensions (ft.)	Length	42.1	42.6
	Height	14.3	14.9
	Span	40.4	39.8
Internal Dimensions (ft.)	Length: OA/Net	11.0/11.0	12.1/12.1
	Height	4.9	4.8
Baggage	Width: Max/Floor	5.1/3.6	5.0/NA
	Internal: Cu. ft./lb.	10/99	NA/NA
Power	External: Cu. ft./lb.	60/418	66/NA
	Engines	2 P&WC PW 617F-E	2 GE Honda HF-120
Weights (lb.)	Output (lb. each)/Flat Rating	1,695/ISA+10C	2,050/NA
	Inspection Interval	3,500t	NA
	Max Ramp	10,626	NA
Limits	Max Takeoff	10,582	NA
	Max Landing	9,877	NA
	Zero Fuel	8,554c	NA
	BOW	7,220	NA
	Max Payload	1,334	NA
	Useful Load	3,406	NA
	Executive Payload	1,000	NA
	Max Fuel	2,804	NA
	Available Payload w/Max Fuel	602	NA
	Available Fuel w/Max Payload	2,072	NA
Airport Performance	Available Fuel w/Executive Payload	2,406	NA
	Mwo	0.700	0.720
	Trans. Alt. FL/Vmo PSI	280/275	FL 300/NA
Climb	TOFL (SL elev./ISA temp.)	3,123	NA
	TOFL (5,000' elev.@25C)	6,609	NA
	Hot/High Weight Limit	10,582	NA
	NBAA IFR Range	1,071	NA
	V2@SL ISA, MTOW	98	NA
Ceilings (ft.)	Vref w/4 Pax, NBAA IFR Res.	94	NA
	Landing Distance w/4 Pax, NBAA IFR Res.	2,466	NA
	Time to Climb/Altitude	24/FL 370	NA/NA
Cruise	FAR 25 Engine-Out Rate (fpm)	560	NA
	FAR 25 Engine-Out Gradient (ft./nm)	298	NA
	Certificated	41,000	43,000
NBAARanges (100-nm alternate)	All-Engine Service	41,000	43,000
	Engine-Out Service	24,045	NA
	Sea-Level Cabin	21,280	NA
Missions (300 nm)	TAS	332	NA
	Fuel Flow	525	NA
	Altitude	FL 410	NA
Missions (600 nm)	Specific Range	0.632	NA
	TAS	389	420
	Fuel Flow	851	NA
Missions (1,000 nm)	Altitude	FL 330	FL 300
	Specific Range	0.457	NA
	Nautical Miles	701	NA
Remarks	Average Speed	319	NA
	Trip Fuel	1,411	NA
	Specific Range/Altitude	0.497/FL 410	NA/NA
NBAARanges (200-nm alternate)	Nautical Miles	1,181	1,180
	Average Speed	326	NA
	Trip Fuel	2,163	NA
Missions (300 nm)	Specific Range/Altitude	0.546/FL 410	NA/NA
	Nautical Miles	1,050	NA
	Average Speed	324	NA
Missions (600 nm)	Trip Fuel	1,960	NA
	Specific Range/Altitude	0.536/FL 410	NA/NA
	Nautical Miles	1,234	NA
Missions (1,000 nm)	Average Speed	325	NA
	Trip Fuel	2,183	NA
	Specific Range/Altitude	0.565/FL 410	NA/NA
Remarks	Runway	2,722	NA
	Flight Time	0+55	NA
	Fuel Used	741	NA
Missions (300 nm)	Specific Range/Altitude	0.405/FL 370	NA/NA
	Runway	2,860	NA
	Flight Time	1+46	NA
Missions (600 nm)	Fuel Used	1,263	NA
	Specific Range/Altitude	0.475/FL 390	NA/NA
	Runway	3,050	NA
Missions (1,000 nm)	Flight Time	3+05	NA
	Fuel Used	1,874	NA
	Specific Range/Altitude	0.534/FL 410	NA/NA
Remarks	Certification Basis	FAR 23, 2008	FAR 23 pending All data preliminary.

JETS LESS THAN 20,000-LB. MTOW

Manufacturer		Textron Aviation	Nextant Aerospace	Textron Aviation	Syberjet	Embraer	Textron Aviation	
Model		Cessna Citation M2 CE-525	Nextant 400 Xti BE 400A	Cessna Citation CJ3+ CE-525B	SJ30i SJ30-2	Phenom 300 EMB-505	Cessna Citation CJ4 CE-525C	
B&CA Equipped Price		\$4,500,000	\$5,304,500	\$7,995,000	\$8,306,452	\$8,995,000	\$8,995,000	
Characteristics	Seating	1+7/7	2+7/9	1+8/9	1+5/6	1+7/10	2+8/9	
	Wing Loading	44.6	67.6	47.2	73.2	58.6	51.8	
	Power Loading	2.72	2.67	2.46	3.03	2.67	2.36	
	Noise (EPNdB): 10/Side/line/APR	73.5/85.2/88.5	76.9/91.5/88.8	74.0/88.7/88.6	78.5/86.2/91.8	69.9/88.8/88.5	75.4/92.8/89.5	
External Dimensions (ft.)	Length	42.6	48.4	51.2	46.8	51.2	53.3	
	Height	13.9	13.9	15.2	14.2	16.7	15.3	
	Span	47.3	43.5	53.3	42.3	52.2	50.8	
Internal Dimensions (ft.)	Length: OA/Net	11.0/11.0	15.5/15.5	15.7/15.7	12.5/12.5	17.2/17.2	17.3/17.3	
	Height	4.8	4.8	4.8	4.4	4.9	4.8	
	Width: Max/Floor	4.8/3.1	4.9/4.0	4.8/3.1	4.8/2.8	5.1/3.6	4.8/3.3	
Baggage	Internal: Cu. ft./lb.	—/—	27/410	—/—	6/100	10/77	7/40	
	External: Cu. ft./lb.	46/725	26/450	65/1,000	53/500	74/573	71/1,000	
Power	Engines	2 Wms Intl FJ44-1AP-21	2 Wms Intl FJ44-3AP	2 Wms Intl FJ44-3A	2 Wms Intl FJ44-2A	2 P&WC PW 535E	2 Wms Intl FJ44-4A	
	Output (lb. each)/Flat Rating	1,965/ISA+7C	3,052/ISA+7C	2,820/ISA+11C	2,300/ISA+8C	3,360/ISA+15C	3,621/ISA+11C	
	Inspection Interval	4,000t	5,000t	4,000t	3,500t	5,000t	5,000t	
Weights (lb.)	Max Ramp	10,800	16,500	14,070	14,050	18,078	17,230	
	Max Takeoff	10,700	16,300	13,870	13,950	17,968	17,110	
	Max Landing	9,900	15,700	12,750	12,725	16,865	15,660	
	Zero Fuel	8,400c	13,000c	10,510c	10,500c	13,999c	12,500c	
	BOW	7,004	10,950	8,540	8,917	11,583	10,254	
	Max Payload	1,396	2,050	1,970	1,583	2,416	2,246	
	Useful Load	3,796	5,550	5,530	5,133	6,495	6,976	
	Executive Payload	1,400	1,400	1,600	1,000	1,400	1,600	
	Max Fuel	3,296	4,912	4,710	4,850	5,353	5,828	
	Available Payload w/Max Fuel	500	638	820	283	1,142	1,148	
	Available Fuel w/Max Payload	2,400	3,500	3,560	3,550	4,079	4,730	
	Available Fuel w/Executive Payload	2,396	4,150	3,930	4,133	5,095	5,376	
Limits	Mwo	0.710	0.780	0.737	0.830	0.780	0.770	
	Trans. Alt. FL/Vmo	FL 305/263	FL 290/320	FL 293/278	FL 295/320	FL 263/320	FL 279/305	
	PSI	8.5	9.1	8.9	12.0	9.4	9.0	
Airport Performance	TOFL (SL elev./ISA temp.)	3,210	3,821	3,180	3,939	3,138	3,190	
	TOFL (5,000' elev.@25C)	5,580	6,396	4,750	8,784	5,114	4,862	
	Hot/High Weight Limit	10,700	16,300p	13,870	13,125	17,968	16,762	
	NBAA IFR Range	1,195	1,197	1,827	1,915	2,019	1,949	
	Vz@SL ISA, MTOW	111	116	114	112	112	117	
	Vncr w/4 Pax, NBAA IFR Res.	101	105	99	104	104	99	
	Landing Distance w/4 Pax, NBAA IFR Res.	2,340	2,960	2,422	2,657	2,220	2,281	
Climb	Time to Climb/Altitude	18/FL 370	16/FL 370	15/FL 370	16/FL 370	14/FL 370	14/FL 370	
	FAR 25 Engine-Out Rate (fpm)	NA	305	808	312	911	839	
	FAR 25 Engine-Out Gradient (ft./nm)	NA	158	425	167	462	430	
Ceilings (ft.)	Certificated	41,000	45,000	45,000	49,000	45,000	45,000	
	All-Engine Service	41,000	45,000	45,000	44,000	45,000	45,000	
	Engine-Out Service	26,800	27,500	26,250	25,800	30,137	28,200	
	Sea-Level Cabin	22,027	24,000	23,586	41,000	25,560	23,984	
	TAS	323	406	352	436	383	377	
Cruise	Long Range	Fuel Flow	516	740	624	684	757	812
		Altitude	FL 410	FL 450	FL 450	FL 450	FL 450	FL 450
		Specific Range	0.626	0.549	0.564	0.637	0.506	0.464
	High Speed	TAS	401	447	415	475	444	442
		Fuel Flow	920	968	1,197	1,188	1,312	1,470
		Altitude	FL 350	FL 430	FL 350	FL 360	FL 350	FL 370
NBAA IFR Ranges (FAR Part 23, 100-nm alternate; FAR Part 25, 200-nm alternate)	Max Payload (w/available fuel)	Specific Range	0.436	0.462	0.347	0.400	0.338	0.301
		Nautical Miles	812	1,015	1,172	1,635	1,247	1,425
		Average Speed	361	373	368	402	397	407
		Trip Fuel	1,706	2,324	2,552	2,908	3,109	3,753
	Max Fuel (w/available payload)	Specific Range/Altitude	0.476/FL 410	0.437/FL 430	0.459/FL 450	0.562/FL 470	0.401/FL 450	0.380/FL 450
		Nautical Miles	1,357	1,890	1,814	2,598	1,877	1,913
		Average Speed	372	387	377	410	409	413
		Trip Fuel	2,675	3,871	3,846	4,241	4,416	4,904
	Four Passengers (w/available fuel)	Specific Range/Altitude	0.507/FL 410	0.488/FL 450	0.472/FL 450	0.613/FL 490	0.425/FL 450	0.390/FL 450
		Nautical Miles	1,174	1,716	1,802	2,205	1,903	1,927
		Average Speed	369	386	377	408	411	416
		Trip Fuel	2,337	3,574	3,725	3,713	4,447	4,920
Ferry	Specific Range/Altitude	0.502/FL 410	0.480/FL 450	0.484/FL 450	0.594/FL 490	0.428/FL 450	0.392/FL 450	
	Nautical Miles	1,398	1,945	1,898	2,667	1,944	1,955	
	Average Speed	378	385	382	411	418	420	
	Trip Fuel	2,704	3,871	3,871	4,246	4,473	4,955	
Missions (4 passengers)	300 nm	Specific Range/Altitude	0.517/FL 410	0.502/FL 450	0.490/FL 450	0.628/FL 490	0.435/FL 450	0.395/FL 450
		Runway	2,627	3,015	2,608	2,822	2,613	2,429
		Flight Time	0+52	0+48	0+49	0+45	0+47	0+46
		Fuel Used	804	786	970	846	1,058	1,087
	600 nm	Specific Range/Altitude	0.373/FL 370	0.382/FL 390	0.309/FL 370	0.355/FL 410	0.284/FL 390	0.276/FL 390
		Runway	2,695	3,044	2,609	3,025	2,747	2,444
		Flight Time	1+38	1+30	1+35	1+26	1+29	1+27
		Fuel Used	1,362	1,323	1,572	1,313	1,735	1,865
	1,000 nm	Specific Range/Altitude	0.441/FL 390	0.454/FL 430	0.382/FL 410	0.457/FL 450	0.346/FL 410	0.322/FL 410
		Runway	3,009	3,101	2,731	3,336	2,808	2,490
		Flight Time	2+43	2+28	2+36	2+21	2+26	2+23
		Fuel Used	2,019	2,145	2,316	1,980	2,471	2,823
Remarks								
	Certification Basis	FAR 23, 2013	FAR 25, 1981/85 STC 02371LA, 10959SC, 03960AT	FAR 23 Commuter category, 2004/2014 Garmin G3000.	FAR 23 Commuter category	FAR 23 Commuter category, 2009	FAR 23 Commuter category, 2010	

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Textron Aviation	Bombardier	Textron Aviation	Bombardier	Gulfstream Aero.	Textron Aviation	
Model		Citation X Elite CE-750	Learjet 70 Model 45	Citation XLS+ CE-560XL	Learjet 75 Model 45	Gulfstream 150 G150	Citation Latitude CE-680A	
B&CA Equipped Price		\$6,500,000	\$11,300,000	\$12,750,000	\$13,800,000	\$15,700,000	\$16,250,000	
Characteristics	Seating	2+8/11	2+6/7	2+9/12	2+8/9	2+7/9	2+9/10	
	Wing Loading	68.5	69.0	54.6	69.0	82.3	56.8	
	Power Loading	2.67	2.79	2.45	2.79	2.95	2.61	
	Noise (EPNdB): TO/Sideline/APR	73.2/83.8/90.3	75.5/85.1/93.4	72.2/86.8/92.8	75.5/85.0/93.4	80.7/91.2/91.9	NA/NA/NA	
External Dimensions (ft.)	Length	72.3	56.0	52.5	58.0	56.8	62.3	
	Height	19.3	14.0	17.2	14.0	19.1	20.9	
	Span	63.9	50.9	56.3	50.9	55.6	72.3	
Internal Dimensions (ft.)	Length: OA/Net	23.9/23.9	17.7/17.7	18.5/18.5	19.8/19.8	17.7/17.7	28.1/21.8	
	Height	5.7	4.9	5.7	4.9	5.8	6.0	
	Width: Max/Floor	5.5/3.9	5.1/3.2	5.5/3.9	5.1/3.2	5.8/4.7	6.4/4.1	
Baggage	Internal: Cu. ft./lb.	variable/variable	15/150	10/100	15/150	25/TBD	26/NA	
	External: Cu. ft./lb.	82/775	50/500	80/700	50/500	55/1,100	100/1,000	
Power	Engines	2 RR AE3007C1	2 Hon TFE731-40BR	2 P&WC PW545C	2 Hon TFE731-40BR	2 Hon TFE731-40AR-200G	2 P&WC PW306D	
	Output (lb. each)/Flat Rating	6,764/ISA+15C	3,850/ISA+23C	4,119/ISA+10C	3,850/ISA+23C	4,420/ISA+13C	5,907/ISA+16C	
	Inspection Interval	4,500t*	6,000t	5,000t	6,000t	6,000c	6,000t	
Weights (lb.)	Max Ramp	36,400	21,750	20,400	21,750	26,250	31,050	
	Max Takeoff	36,100	21,500	20,200	21,500	26,100	30,800	
	Max Landing	31,800	19,200	18,700	19,200	21,700	27,575	
	Zero Fuel	24,400c	16,000c	15,100c	16,000c	17,500c	21,200c	
	BOW	22,100	13,715	12,860	13,890	15,200	18,656	
	Max Payload	2,300	2,285	2,240	2,110	2,300	2,544	
	Useful Load	14,300	8,035	7,540	7,860	11,050	12,394	
	Executive Payload	1,600	1,200	1,800	1,600	1,400	1,800	
	Max Fuel	12,931	6,062	6,740	6,062	10,300	11,394	
	Available Payload w/Max Fuel	1,369	1,973	800	1,798	750	1,000	
Limits	Available Fuel w/Max Payload	12,000	5,750	5,300	5,750	8,750	9,850	
	Available Fuel w/Executive Payload	12,700	6,062	5,740	6,062	9,650	10,594	
	Mwo	0.920	0.810	0.750	0.810	0.850	0.800	
Airport Performance	Trans. Alt. FL/Wwo	FL 307/350	FL 270/330	FL 265/305	FL 270/330	FL 300/330	FL 298/305	
	PSI	9.3	9.4	9.3	9.4	8.8	9.7	
	TOFL (SL elev./ISA temp.)	5,140	4,440	3,560	4,440	5,012	3,668	
	TOFL (5,000' elev.@25C)	7,350	5,091	5,430	5,186	8,120	5,112	
	Hot/High Weight Limit	34,980p	20,447	20,200	20,622	26,100	30,675	
	NBAA IFR Range	2,980	1,934	1,740	1,912	2,988	2,680	
	V ₂ @SL ISA, MTOW	137	125	118	125	131	NA	
Climb	V _{REF} w/4 Pax, NBAA IFR Res.	112	112	106	113	115	NA	
	Landing Distance w/4 Pax, NBAA IFR Res.	2,730	2,332	2,740	2,347	2,442	2,250	
	Time to Climb/Altitude	18/FL 370	15/FL 370	15/FL 370	15/FL 370	17/FL 370	15/FL 370	
Ceilings (ft.)	FAR 25 Engine-Out Rate (fpm)	486	430	765	430	438	NA	
	FAR 25 Engine-Out Gradient (ft./nm)	213	207	389	207	201	NA	
	Certificated	51,000	51,000	45,000	51,000	45,000	45,000	
	All-Engine Service	43,000	45,200	45,000	44,700	42,400	43,000	
Cruise	Engine-Out Service	26,000	28,400	28,600	27,900	26,400	NA	
	Sea-Level Cabin	25,230	25,700	25,230	25,700	23,000	25,400	
	Long Range	TAS	470	437	353	437	430	361
		Fuel Flow	1,529	961	865	970	1,184	1,134
	High Speed	Altitude	FL 470	FL 470	FL 450	470	FL 430	FL 450
		Specific Range	0.307	0.455	0.408	0.451	0.363	0.318
	NBAA IFR Ranges (200-nm alternate)	TAS	513	453	431	452	475	433
		Fuel Flow	2,229	1,082	1,238	1,080	1,938	1,768
		Altitude	FL 410	FL 470	FL 410	470	FL 350	FL 390
		Specific Range	0.230	0.419	0.348	0.419	0.245	0.245
Max Payload (w/available fuel)		Nautical Miles	2,703	1,595	1,150	1,595	2,335	2,110
		Average Speed	462	423	385	423	415	393
Max Fuel (w/available payload)		Trip Fuel	9,973	4,285	3,663	4,285	7,265	7,858
		Specific Range/Altitude	0.271/FL 470	0.372/FL 470	0.314/FL 450	0.372/FL 470	0.321/FL 450	0.269/FL 450
Four Passengers (w/available fuel)		Nautical Miles	3,070	1,747	1,719	1,747	3,011	2,625
		Average Speed	462	426	395	426	418	400
Ferry	Trip Fuel	11,055	4,616	5,233	4,616	8,903	9,539	
	Specific Range/Altitude	0.278/FL 490	0.378/FL 470	0.328/FL 450	0.378/FL 470	0.338/FL 450	0.275/FL 450	
Missions (4 passengers)	Nautical Miles	3,125	1,934	1,719	1,912	2,988	2,658	
	Average Speed	463	427	395	426	418	400	
	Trip Fuel	11,078	4,803	5,168	4,793	8,850	9,547	
	Specific Range/Altitude	0.282/FL 490	0.403/FL 470	0.333/FL 450	0.399/FL 470	0.338/FL 450	0.278/FL 450	
	300 nm	Nautical Miles	3,221	2,039	1,785	2,015	3,122	2,712
		Average Speed	463	426	403	427	419	403
	600 nm	Trip Fuel	11,118	4,948	5,268	4,838	8,945	9,575
		Specific Range/Altitude	0.290/FL 490	0.412/FL 490	0.339/FL 450	0.416/FL 490	0.349/FL 450	0.283/FL 450
	1,000 nm	Runway	3,536	3,593	2,734	3,604	3,623	2,523
		Flight Time	0+41	0+45	0+46	0+45	0+50	0+47
Remarks	Fuel Used	1,837	1,073	1,246	1,078	1,230	1,628	
	Specific Range/Altitude	0.163/FL 370	0.280/FL 470	0.241/FL 390	0.278/FL 470	0.244/FL 450	0.184/FL 390	
	Runway	3,580	3,637	2,758	3,649	3,783	2,779	
	Flight Time	1+16	1+24	1+29	1+25	1+32	1+30	
Remarks	Fuel Used	2,855	1,808	2,094	1,813	1,974	2,583	
	Specific Range/Altitude	0.210/FL 430	0.332/FL 470	0.287/FL 410	0.331/FL 470	0.304/FL 450	0.232/FL 430	
	Runway	3,672	3,696	3,028	3,708	3,971	2,945	
	Flight Time	2+03	2+18	2+26	2+18	2+28	2+27	
Remarks	Fuel Used	4,469	2,789	3,211	2,796	2,998	3,997	
	Specific Range/Altitude	0.224/FL 430	0.359/FL 470	0.311/FL 430	0.358/FL 470	0.334/FL 450	0.250/FL 430	
Certification Basis		FAR 25, 1996/2002 JAR 25, 1999/2002 *Engine flight hour inspection	FAR 25, EASA CS 25	FAR 25, 2008	FAR 25, EASA CS 25	FAR 25 A108, 2005 EASA CS 25, 2007	FAR 25 pending All data preliminary. Garmin G5000.	

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Embraer	Textron Aviation	Embraer	Textron Aviation	Gulfstream Aerospace	
Model		Legacy 450 EMB-545	Citation Sovereign+ CE-680	Legacy 500 EMB-550	Cessna Citation X+ CE-750	Gulfstream 280 G280	
B&CA Equipped Price		\$16,570,000	\$17,895,000	\$19,995,000	\$23,365,000	\$24,500,000	
Characteristics	Seating	2+7/9	2+9/12	2+8/12	2+9/12	2+10/19	
	Wing Loading	NA	56.7	78.6	NA	80.0	
	Power Loading	NA	2.60	2.69	2.60	2.60	
	Noise (EPNdB): TO/Sideline/APR	NA/NA/NA	71.9/87.2/88.1	72.8/85.5/89.9	72.4/87.7/89.3	75.2/89.5/90.5	
External Dimensions (ft.)	Length	64.6	63.5	68.1	73.6	66.8	
	Height	21.1	20.3	21.2	19.2	21.3	
	Span	66.4	72.3	66.4	69.2	63.0	
Internal Dimensions (ft.)	Length: OA/Net	24.0/20.6	25.3/25.3	27.5/24.6	25.2/25.2	32.3/25.8	
	Height	6.0	5.7	6.0	5.7	6.3	
	Width: Max/Floor	6.8/4.7	5.5/3.9	6.8/4.7	5.5/3.9	7.2/5.7	
Baggage	Internal: Cu. ft./lb.	40/NA	35/415	45/330	22/NA	154/1,980	
	External: Cu. ft./lb.	110/NA	100/1,000	110/882	82/775	—/—	
Power	Engines	2 Hon HTF7500E	2 P&WC PW306D	2 Hon HTF7500E	2 RR AE3007C2	2 Hon HTF7250G	
	Output (lb. each)/Flat Rating	6,080/ISA+15C	5,907/ISA+16C	7,036/ISA+18C	7,034/ISA+15C	7,624/ISA+17C	
	Inspection Interval	OC	6,000t	OC	4,500t*	OC	
Weights (lb.)	Max Ramp	NA	31,025	38,095	36,900	39,750	
	Max Takeoff	NA	30,775	37,919	36,600	39,600	
	Max Landing	NA	27,575	34,127	32,000	32,700	
	Zero Fuel	NA	21,000c	26,499	24,978c	28,200c	
	BOW	NA	18,311	23,437	22,131	24,150	
	Max Payload	2,800	2,689	3,062	2,847	4,050	
	Useful Load	NA	12,714	14,658	14,769	15,600	
	Executive Payload	1,400	1,800	1,600	1,800	2,000	
	Max Fuel	NA	11,390	13,058	12,931	14,600	
	Available Payload w/Max Fuel	1,600	1,324	1,600	1,838	1,000	
	Available Fuel w/Max Payload	NA	10,025	11,596	11,922	11,550	
Available Fuel w/Executive Payload	NA	10,914	13,058	12,931	13,600		
Limits	Mwo	0.830	0.800	0.830	0.935	0.850	
	Trans. Alt. FL/Vmo	FL 395/320	FL 298/305	FL 295/320	FL 307/350	FL 280/340	
	PSI	9.7	9.3	9.7	9.3	9.2	
Airport Performance	TOFL (SL elev./ISA temp.)	4,000	3,530	4,084	5,250	4,750	
	TOFL (5,000' elev.@25C)	NA	4,788	5,415	7,325	7,320	
	Hot/High Weight Limit	NA	30,326	37,919	35,662	39,600	
	NBAA IFR Range	NA	3,087	3,131	3,394	3,600	
	V2@SL ISA, MTOW	NA	117	120	139	137	
	Vber w/4 Pax, NBAA IFR Res.	NA	96	102	116	117	
	Landing Distance w/4 Pax, NBAA IFR Res.	NA	2,149	2,114	2,727	2,642	
Climb	Time to Climb/Altitude	14/FL 370	13/FL 370	14/FL 370	13/FL 370	14/FL 370	
	FAR 25 Engine-Out Rate (fpm)	NA	735	891	614	845	
	FAR 25 Engine-Out Gradient (ft./nm)	NA	377	403	267	371	
Ceilings (ft.)	Certificated	45,000	47,000	45,000	51,000	45,000	
	All-Engine Service	44,000	45,000	44,000	45,000	45,000	
	Engine-Out Service	NA	29,740	28,189	25,900	27,500	
	Sea-Level Cabin	26,520	25,230	26,520	25,230	25,000	
Cruise	Long Range	TAS	438	368	440	470	459
		Fuel Flow	NA	1,059	1,441	1,470	1,478
		Altitude	NA	FL 450	FL 450	FL 470	FL 450
	High Speed	TAS	470	448	467	520	482
		Fuel Flow	NA	1,756	1,741	2,453	1,910
		Altitude	NA	FL 390	430	FL 410	FL 430
NBAA IFR Ranges (200-nm alternate)	Max Payload (w/available fuel)	Nautical Miles	NA	2,484	2,603	2,838	2,544
		Average Speed	NA	396	438	463	449
		Trip Fuel	NA	8,170	9,908	9,952	9,591
	Max Fuel (w/available payload)	Specific Range/Altitude	NA/NA	0.304/FL 470	0.263/450	0.285/FL 490	0.265/FL 450
		Nautical Miles	NA	2,996	2,998	3,241	3,590
		Average Speed	NA	400	440	464	452
	Four Passengers (w/available fuel)	Trip Fuel	NA	9,658	11,151	11,108	12,757
		Specific Range/Altitude	NA/NA	0.310/FL 470	0.269/450	0.292/FL 490	0.281/FL 450
		Nautical Miles	2,500	3,063	3,125	3,370	3,600
	Ferry	Average Speed	NA	401	433	465	452
		Trip Fuel	NA	9,677	11,250	11,156	12,764
		Specific Range/Altitude	NA/FL 450	0.317/FL 470	0.278/FL 450	0.302/FL 490	0.282/FL 450
Missions (4 passengers)	300 nm	Nautical Miles	NA	3,132	3,153	3,461	3,686
		Average Speed	NA	405	440	465	452
		Trip Fuel	NA	9,705	11,250	11,194	12,792
	600 nm	Specific Range/Altitude	NA/NA	0.323/FL 470	0.280/FL 450	0.309/FL 490	0.288/FL 450
		Nautical Miles	NA	2,592	2,822	3,725	2,957
		Flight Time	NA	0+45	0+45	0+41	0+47
	1,000 nm	Fuel Used	NA	1,507	1,545	1,827	1,524
		Specific Range/Altitude	NA/NA	0.199/FL 390	0.194/FL 450	0.164/FL 370	0.197/FL 450
		Nautical Miles	NA	2,600	2,817	3,775	2,997
	1,000 nm	Flight Time	NA	1+26	1+26	1+16	1+26
		Fuel Used	NA	2,406	2,478	2,937	2,443
		Specific Range/Altitude	0.244/FL 450	0.249/FL 430	0.242/FL 450	0.204/FL 430	0.246/FL 450
1,000 nm	Nautical Miles	NA	2,650	2,963	3,849	3,136	
	Flight Time	NA	2+21	2+21	2+20	2+19	
	Fuel Used	NA	3,753	3,750	4,680	3,692	
1,000 nm	Specific Range/Altitude	NA/NA	0.266/FL 430	0.267/FL 450	0.214/FL 430	0.271/FL 450	
	Remarks	Certification Basis	RBAC/FAR 25, EASA CS 25 pending All data preliminary.	FAR 25, 2013 Garmin G5000.	RBAC/FAR/EASA CS 25, 2014	FAR 25, 2014 Garmin G5000. *Engine flight hour inspection interval.	FAR 25, 2012 EASA CS 25, 2013

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Embraer	Bombardier	Dassault	Embraer	Bombardier	
Model		Legacy 600 EMB-135BJ	Challenger 350 BD-100-1A10	Falcon 2000S Falcon 2000EX	Legacy 650 EMB-135BJ*	Challenger 650 CL-600-2B16	
B&CA Equipped Price		\$26,000,000	\$26,673,000	\$28,400,000	\$31,600,000	\$32,350,000	
Characteristics	Seating	2+13/14	2+9/11	2+10/19	2+13/14	2+10/19	
	Wing Loading	90.0	77.8	77.7	97.2	107.1	
	Power Loading	3.12	2.77	2.93	2.97	2.61	
	Noise (EPNdB): TO/Sideline/APR	79.7/86.8/91.3	75.7/89.1/89.5	75.1/91.8/90.5	78.0/86.9/91.7	81.2/86.2/90.3	
External Dimensions (ft.)	Length	86.4	68.7	66.3	86.4	68.4	
	Height	22.2	20.0	23.2	21.8	20.7	
	Span	69.5	69.0	70.2	69.5	64.3	
Internal Dimensions (ft.)	Length: OA/Net	49.8/42.4	28.6/25.2	31.2/26.2	49.8/42.4	28.3/25.6	
	Height	6.0	6.1	6.2	6.0	6.0	
	Width: Max/Floor	6.9/5.2	7.2/5.1	7.7/6.3	6.9/5.2	7.9/6.9	
Baggage	Internal: Cu. ft./lb.	286/1,441	106/750	131/1,600	286/1,441	112/900	
	External: Cu. ft./lb.	—/—	—/—	—/—	—/—	—/—	
Power	Engines	2 RR AE 3007 A1E	2 Hon HTF 7350	2 P8WC PW308C	2 RR AE 3007A2	2 GE CF34-3B	
	Output (lb. each)/Flat Rating	7,953/ISA+22C	7,323/ISA+15C	7,000/ISA+15C	9,020/ISA+15C	9,220*/ISA+15C	
	Inspection Interval	OC	OC	7,000c	OC	OC	
Weights (lb.)	Max Ramp	49,758	40,750	41,200	53,727	48,300	
	Max Takeoff	49,604	40,600	41,000	53,572	48,200	
	Max Landing	40,785	34,150	39,300	44,092	38,000	
	Zero Fuel	35,274c	28,200c	29,700c	36,156c	32,000c	
	BOW	30,081	24,800	24,750	31,217	27,150	
	Max Payload	5,193	3,400	4,950	4,939	4,850	
	Useful Load	19,677	15,950	16,450	22,510	21,150	
	Executive Payload	2,600	1,800	2,000	2,600	2,000	
	Max Fuel	18,170	14,045	14,600	20,600	19,852	
	Available Payload w/Max Fuel	1,507	1,905	1,850	1,910	1,298	
	Available Fuel w/Max Payload	14,484	12,550	11,500	17,571	16,300	
Available Fuel w/Executive Payload	17,077	14,045	14,450	19,910	19,150		
Limits	Mwo	0.800	0.830	0.862	0.800	0.850	
	Trans. Alt. FL/Vmo	FL 276/320	FL 290/320	FL 250/370	FL 276/320	FL 222/348	
	PSI	8.4	8.8	9.3	8.4	8.8	
Airport Performance	TOFL (SL elev./ISA temp.)	5,614	4,829	4,325	5,741	5,640	
	TOFL (5,000' elev.@25C)	7,604	6,451	6,050	7,979	9,192	
	Hot/High Weight Limit	49,604	39,495	39,950	53,572	47,702	
	NBAA IFR Range	3,453	3,250	3,555	3,953	4,020	
	V2@SL ISA, MTOW	139	133	123	144	147	
	Vker w/4 Pax, NBAA IFR Res.	113	111	106	115	117	
	Landing Distance w/4 Pax, NBAA IFR Res.	2,301	2,302	2,300	2,346	2,360	
Climb	Time to Climb/Altitude	21/FL 370	14/FL 370	14/FL 370	21/FL 370	21/FL 370	
	FAR 25 Engine-Out Rate (fpm)	630	NA	535	633	581	
	FAR 25 Engine-Out Gradient (ft./nm)	272	NA	261	259	237	
Ceilings (ft.)	Certificated	41,000	45,000	47,000	41,000	41,000	
	All-Engine Service	40,900	44,000	43,700	41,000	38,250	
	Engine-Out Service	23,276	27,800	26,150	23,128	20,000	
	Sea-Level Cabin	21,650	23,338	25,300	21,650	23,000	
Cruise	Long Range	TAS	424	459	437	425	424
		Fuel Flow	1,879	1,590	1,455	1,901	1,828
		Altitude	FL 410	FL 450	FL 450	FL 410	FL 410
	High Speed	Specific Range	0.226	0.289	0.300	0.224	0.232
		TAS	455	470	482	459	470
		Fuel Flow	2,545	1,832	2,280	2,570	2,443
NBAA IFR Ranges (200-nm alternate)	Max Payload (w/available fuel)	Altitude	FL 370	FL 430	FL 390	FL 370	FL 370
		Specific Range	0.179	0.257	0.211	0.179	0.192
		Nautical Miles	2,417	2,719	2,450	3,076	3,010
	Max Fuel (w/available payload)	Average Speed	414	447	426	417	416
		Trip Fuel	12,242	10,689	9,640	15,238	14,256
		Specific Range/Altitude	0.197/FL 410	0.254/FL 450	0.254/FL 450	0.202/FL 410	0.211/FL 410
	Four Passengers (w/available fuel)	Nautical Miles	3,376	3,235	3,445	3,839	3,988
		Average Speed	407	449	429	417	418
		Trip Fuel	16,065	12,206	12,740	18,380	17,944
	Ferry	Specific Range/Altitude	0.210/FL 410	0.265/FL 450	0.270/FL 470	0.209/FL 410	0.222/FL 410
		Nautical Miles	3,430	3,250	3,540	3,919	4,020
Average Speed		406	448	431	415	419	
Missions (4 passengers)	300 nm	Trip Fuel	16,094	12,212	12,740	18,422	17,957
		Specific Range/Altitude	0.213/FL 410	0.266/FL 450	0.278/FL 470	0.213/FL 410	0.224/FL 410
		Nautical Miles	3,485	3,307	3,615	3,980	4,095
	600 nm	Average Speed	402	450	430	414	419
		Trip Fuel	16,122	12,236	12,740	18,450	17,986
		Specific Range/Altitude	0.216/FL 410	0.270/FL 450	0.284/FL 470	0.216/FL 410	0.228/FL 410
	1,000 nm	Runway	3,522	3,611	2,795	3,346	3,389
		Flight Time	0+48	0+47	0+48	0+49	0+47
		Fuel Used	1,894	1,583	1,525	1,773	1,593
	Remarks	Certification Basis	FAR 25, 2002	FAR 25 A 98 and JAR 25 Chg. 15	FAR/EASA 25 pending EASy II flight deck. 2015 delivery price.	FAR 25, 2011 Factory modification DCA 145-000-00020/2008	FAR 25, 1980/83/87/95/2006/15 Pro Line 21, Class III EFB IFS; *8,729 normal take-off; 9,220 max takeoff.

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Dassault	Gulfstream Aerospace	Dassault	Bombardier	Embraer
Model		Falcon 2000LXS Falcon 2000EX	Gulfstream 450 GIV-X	Falcon 900LX Falcon 900EX	Global 5000 BD-700-1A11	Lineage 1000E ERJ 190-100 ECJ
B&CA Equipped Price		\$33,700,000	\$41,000,000	\$43,300,000	\$50,441,000	\$53,000,000
Characteristics	Seating	2+8/19	2+14/19	2+12/19	3+13/19	3+13/19
	Wing Loading	81.2	78.4	92.9	90.5	120.7
	Power Loading	3.06	2.69	3.27	3.14	3.25
	Noise (EPNdB): TO/Sideline/APR	76.4/91.7/90.5	76.2/89.5/92.3	78.2/90.3/92.1	81.3/88.9/89.7	86.4/92.7/92.5
External Dimensions (ft.)	Length	66.3	89.3	66.3	96.8	118.9
	Height	23.2	25.2	24.8	25.5	34.7
	Span	70.2	77.8	70.2	94.0	94.2
Internal Dimensions (ft.)	Length: OA/Net	31.2/26.2	45.1/37.0	39.0/33.2	45.7/40.7	84.3/84.3
	Height	6.2	6.2	6.2	6.2	6.6
	Width: Max/Floor	7.7/6.3	7.3/5.5	7.7/6.3	7.9/6.5	8.8/8.0
Baggage	Internal: Cu. ft./lb.	131/1,600	169/2,000	127/2,866	195/1,000	323/2,293
	External: Cu. ft./lb.	—/—	—/—	—/—	—/—	120/705
Power	Engines	2 P&WC PW308C	2 RR Tay Mk 611-8C	3 Hon TFE731-60	2 RR BR700-710A2-20	2 GE CF34-10E7-B
	Output (lb. each)/Flat Rating	7,000/ISA+15C	13,850/ISA+15C	5,000/ISA+17C	14,750/ISA+20C	18,500/ISA+15C
	Inspection Interval	7,000c	12,000t or OC	6,000c	OC	OC
Weights (lb.)	Max Ramp	43,000	75,000	49,200	92,750	120,593
	Max Takeoff	42,800	74,600	49,000	92,500	120,152
	Max Landing	39,300	66,000	44,500	78,600	100,972
	Zero Fuel	29,700c	49,000c	30,864c	58,000c	80,469c
	BOW	24,750	43,200	26,750	51,500*	70,548
	Max Payload	4,950	5,800	4,114	6,500	9,921
	Useful Load	18,250	31,800	22,450	41,250	50,045
	Executive Payload	1,600	2,800	2,400	2,600	2,600
	Max Fuel	16,660	29,281	20,905	38,959	48,217
	Available Payload w/Max Fuel	1,590	2,519	1,545	2,291	1,828
Limits	Available Fuel w/Max Payload	13,300	26,000	18,336	34,750	40,124
	Available Fuel w/Executive Payload	16,650	29,000	20,050	38,650	47,445
Airport Performance	Mwo	0.862	0.880	0.870	0.890	0.820
	Trans. Alt. FL/Vmo PSI	FL 250/370 9.3	FL 280/340 9.6	FL 250/370 9.6	FL 303/340 10.3	FL 289/320 8.8
	TOFL (SL elev./ISA temp.)	4,675	5,600	5,360	5,540	6,076
Climb	TOFL (5,000' elev.@25C)	6,800	8,200	7,615	6,798	9,500
	Hot/High Weight Limit	42,010	74,600	48,255	88,373	112,038
	NBAA IFR Range	4,095	4,328	4,710	5,185	3,965
	V2@SL ISA, MTOW	127	150	134	133	140
	Vber w/4 Pax, NBAA IFR Res.	106	123	111	107	110
	Landing Distance w/4 Pax, NBAA IFR Res.	2,300	2,663	2,432	2,189	2,038
	Time to Climb/Altitude	16/FL 370	16/FL 370	18/FL 370	18/FL 370	29/FL 350
Ceilings (ft.)	FAR 25 Engine-Out Rate (fpm)	464	712	703	704	NA
	FAR 25 Engine-Out Gradient (ft./nm)	219	285	315	318	NA
	Certificated	47,000	45,000	51,000	51,000	41,000
	All-Engine Service	43,700	42,400	40,100	44,600	35,000
Cruise	Engine-Out Service	26,150	25,000	31,400	20,600	19,178
	Sea-Level Cabin	25,300	26,700	25,300	30,125	23,190
	TAS	437	459	431	470	454
	Fuel Flow	1,485	2,585	1,670	2,856	4,184
	Altitude	FL 450	FL 450	FL 430	FL 450	FL 380
	Specific Range	0.294	0.178	0.258	0.165	0.109
NBAA IFR Ranges (200-nm alternate)	TAS	482	476	474	505	471
	Fuel Flow	2,315	3,055	2,230	3,582	5,033
	Altitude	FL 390	FL 410	FL 390	FL 410	FL 350
	Specific Range	0.208	0.156	0.213	0.141	0.094
	Nautical Miles	2,905	3,549	3,810	4,958	3,493
	Average Speed	428	452	420	463	442
	Trip Fuel	11,475	22,622	16,386	33,418	35,569
	Specific Range/Altitude	0.253/FL 450	0.157/FL 450	0.233/FL 430	0.148/FL 470	0.098/FL 400
	Nautical Miles	3,980	4,216	4,595	5,381	4,532
	Average Speed	431	453	421	463	446
Trip Fuel	14,835	26,023	18,955	35,695	43,962	
Missions (4 passengers)	Specific Range/Altitude	0.268/FL 470	0.162/FL 450	0.242/FL 430	0.151/FL 470	0.103/FL 410
	Nautical Miles	4,075	4,328	4,695	5,520	4,602
	Average Speed	431	452	420	463	446
	Trip Fuel	14,835	26,087	18,955	35,761	44,240
	Specific Range/Altitude	0.275/FL 470	0.166/FL 450	0.248/FL 430	0.154/FL 470	0.104/FL 410
	Nautical Miles	4,145	4,382	4,765	5,572	4,640
Remarks	Average Speed	431	453	420	463	446
	Trip Fuel	14,835	26,116	18,955	35,786	44,264
	Specific Range/Altitude	0.279/FL 450	0.168/FL 450	0.251/FL 430	0.156/FL 470	0.105/FL 410
	Runway	2,795	3,225	2,725	2,483	3,002
	Flight Time	0+48	0+46	0+47	0+46	0+48
	Fuel Used	1,525	2,599	1,595	2,755	3,426
300 nm	Specific Range/Altitude	0.197/FL 450	0.115/FL 450	0.188/FL 450	0.109/FL 490	0.088/FL 390
	Runway	2,855	3,258	2,870	2,572	3,133
	Flight Time	1+28	1+25	1+27	1+23	1+26
	Fuel Used	2,465	4,113	2,630	4,442	5,862
	Specific Range/Altitude	0.243/FL 470	0.146/FL 450	0.228/FL 470	0.135/FL 490	0.102/FL 410
	Runway	2,920	3,304	2,880	2,693	3,251
600 nm	Flight Time	2+21	2+18	2+20	2+13	2+20
	Fuel Used	3,755	6,176	4,075	6,747	9,063
	Specific Range/Altitude	0.266/FL 470	0.162/FL 450	0.245/FL 470	0.148/FL 470	0.110/FL 410
1,000 nm	Runway	2,920	3,304	2,880	2,693	3,251
	Flight Time	2+21	2+18	2+20	2+13	2+20
	Fuel Used	3,755	6,176	4,075	6,747	9,063
Remarks	Certification Basis	FAR/EASA 25, 2003/09 EASy II flight deck; 2015 delivery price.	FAR 25, 2004 EASA CS 25, 2004	FAR 25/EASA 25, 1979/2010 EASy II flight deck; 2015 delivery price.	FAR 25, 1998/2004 EASA 25, 2004 Global Vision flight deck; *B&CA adjusted weight.	FAR/EASA 25, 2008

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Dassault	Airbus	Boeing	Airbus	Boeing	
Model		Falcon 7X Falcon 7X	ACJ318 A318-112	BBJ2 737-800	A320 Prestige A320-214	BBJ3 737-900ER	
B&CA Equipped Price		\$53,800,000	\$72,000,000	\$88,800,000	\$95,000,000	\$96,500,000	
Characteristics	Seating	3+12/19	4+18/132	4+19/189	4+18/179	4+19/215	
	Wing Loading	92.0	113.6	129.9	130.3	139.9	
	Power Loading	3.64	3.22	3.19	3.18	3.44	
	Noise (EPNdB): TO/Sideline/APR	82.3/90.1/92.6	83.0/91.9/93.9	86.0/94.4/96.4	85.5/93.4/95.5	88.4/93.8/96.4	
External Dimensions (ft.)	Length	76.1	103.2	129.5	123.3	138.2	
	Height	25.7	41.1	41.2	38.6	41.2	
	Span	86.0	111.8	117.4	111.8	117.4	
Internal Dimensions (ft.)	Length: OA/Net	46.5/39.1	70.2/70.2	98.3/98.3	90.3/90.3	107.2/107.2	
	Height	6.2	7.4	7.1	7.4	7.1	
	Width: Max/Floor	7.7/6.3	12.1/11.7	11.6/10.7	12.1/11.7	11.6/10.7	
Baggage	Internal: Cu. ft./lb.	140/2,004	395/NA	NA/NA	NA/NA	NA/NA	
	External: Cu. ft./lb.	—/—	430/NA	721/NA	985/NA	882/NA	
Power	Engines	3 P&WC PW307A	2 CFMI CFM56-5B9/3*	2 CFMI CFM56-7B27E	2 CFMI CFM56-5B4/3*	2 CFMI CFM56-7B27E	
	Output (lb. each)/Flat Rating	6,402/ISA+17C	23,300/ISA+30C	27,300/ISA+15C	27,000/ISA+29C	27,300/ISA+15C	
	Inspection Interval	7,200c	0C	0C	0C	0C	
Weights (lb.)	Max Ramp	70,200	150,800	174,700	172,850	188,200	
	Max Takeoff	70,000	149,900	174,200	171,950	187,700	
	Max Landing	62,400	126,765	146,300	145,500	157,300	
	Zero Fuel	41,000c	120,150c	138,300c	137,800c	149,300c	
	BOW	36,600	96,694	103,800	109,000	111,650	
	Max Payload	4,400	23,456	34,500	28,800	37,650	
	Useful Load	33,600	54,106	70,900	63,850	76,550	
	Executive Payload	2,400	3,600	3,800	3,600	3,800	
	Max Fuel	31,940	48,660	69,961	53,450	73,472	
	Available Payload w/Max Fuel	1,660	5,446	939	10,400	3,078	
	Available Fuel w/Max Payload	29,200	30,650	36,400	35,050	38,900	
	Available Fuel w/Executive Payload	31,200	48,660	67,100	53,450	72,750	
Limits	Mwo	0.900	0.820	0.820	0.820	0.820	
	Trans. Alt. FL/Vmo PSI	FL 270/370 10.2	FL 250/350 8.2	FL 260/340 9.0	FL 250/350 8.3	FL 260/340 9.0	
Airport Performance	TOFL (SL elev./ISA temp.)	5,710	5,870	6,670	6,920	8,350	
	TOFL (5,000' elev.@25C)	8,045	7,660	12,850	9,355	14,500	
	Hot/High Weight Limit	69,140	149,900	174,200	171,950	175,500p	
	NBAA IFR Range	5,795	4,250	5,648	4,300	4,751	
	V2@SL ISA, MTOW	133	NA	152	NA	NA	
	Vker w/4 Pax, NBAA IFR Res.	106	NA	121	NA	122	
Climb	Landing Distance w/4 Pax, NBAA IFR Res.	2,120	2,150	2,370	2,400	2,510	
	Time to Climb/Altitude	18/FL 370	20/FL 370	27/FL 370	23/FL 360	26/FL 350	
	FAR 25 Engine-Out Rate (fpm)	615	NA	NA	NA	NA	
Ceilings (ft.)	FAR 25 Engine-Out Gradient (ft./nm)	280	NA	NA	NA	NA	
	Certificated	51,000	41,000	41,000	39,000	41,000	
	All-Engine Service	41,360	NA	37,700	NA	35,000	
	Engine-Out Service	31,560	NA	20,000	NA	NA	
Cruise	Sea-Level Cabin	29,200	MA	24,000	NA	24,000	
	Long Range	TAS	459	444	454	451	455
		Fuel Flow	2,260	4,230	5,043	4,730	5,427
		Altitude	FL 430	FL 390	FL 390	FL 370	FL 360
	High Speed	Specific Range/Altitude	0.203	0.105	0.090	0.095	0.084
		TAS	497	470	470	473	473
		Fuel Flow	3,205	5,360	5,721	5,860	6,272
	NBAA IFR Ranges (200-nm alternate)	Altitude	FL 390	FL 370	FL 360	350	FL 350
Specific Range		0.155	0.088	0.082	0.081	0.075	
Max Payload (w/available fuel)		Nautical Miles	5,000	2,048	2,279	2,100	2,223
		Average Speed	453	426	433	428	436
		Trip Fuel	26,820	24,129	29,968	27,936	32,052
Max Fuel (w/available payload)		Specific Range/Altitude	0.186/FL 450	0.085/FL 370	0.076/FL 370	0.075/FL 350	0.069/FL 350
		Nautical Miles	5,670	4,000	5,726	3,852	5,452
		Average Speed	454	437	445	438	447
Four Passengers (w/available fuel)		Trip Fuel	29,560	42,710	64,835	46,930	67,949
		Specific Range/Altitude	0.192/FL 470	0.094/FL 410	0.088/FL 410	0.082/FL 390	0.080/FL 390
		Nautical Miles	5,760	4,300	5,622	4,330	5,496
Ferry		Average Speed	454	436	444	438	446
	Trip Fuel	29,560	43,601	63,899	48,057	67,985	
	Specific Range/Altitude	0.195/FL 470	0.099/FL 410	0.088/FL 410	0.090/FL 390	0.081/FL 390	
Missions (4 passengers)	Nautical Miles	5,840	4,300	5,754	4,380	5,555	
	Average Speed	454	436	444	438	447	
	Trip Fuel	29,560	43,653	64,855	48,108	68,030	
	300 nm	Specific Range/Altitude	0.198/FL 470	0.099/FL 410	0.089/FL 410	0.091/FL 390	0.082/FL 390
		Runway	2,500	3,675	3,245	3,670	3,700
		Flight Time	0+46	0+53	0+56	0+55	0+55
	600 nm	Fuel Used	2,075	4,077	4,547	4,265	4,841
		Specific Range/Altitude	0.145/FL 450	0.074/FL 370	0.066/FL 310	0.070/FL 350	0.062/FL 290
		Runway	2,515	3,700	3,365	3,700	3,855
	1,000 nm	Flight Time	1+25	1+33	1+32	1+34	1+32
		Fuel Used	3,285	6,694	7,268	7,080	7,775
		Specific Range/Altitude	0.183/FL 470	0.090/FL 410	0.083/FL 410	0.085/FL 390	0.077/FL 390
Remarks	Runway	2,640	3,760	3,535	3,760	4,045	
	Flight Time	2+17	2+27	2+26	2+28	2+26	
	Fuel Used	4,945	10,225	11,088	10,970	11,943	
Specific Range/Altitude	0.202/FL 470	0.098/FL 410	0.090/FL 410	0.091/FL 390	0.084/FL 390		
Certification Basis	FAR/EASA 25, 2007 EASy II flight deck; DFCS; 2015 delivery price.	FAR 25, 2003 *Also avail. with PW6124; incl. 2 add'l center tanks; price includes VIP cabin.	FAR 25 A 77, 1967/98 All passenger and range missions flown with 8 passengers.	FAR 25, 1999 *Also avail. with 26,500-lbf IAEV2527M-A5; incl. 2 add'l center tanks and VIP cabin.	FAR 25 A 77, 1967/98/2007 All pax and range missions flown with 8 pax.		

ULTRA-LONG-RANGE JETS

Manufacturer		Dassault	Gulfstream Aerospace	Bombardier	Gulfstream Aerospace	
Model		Falcon 8X Falcon 7X	Gulfstream 550 GV-SP	Global 6000 BD-700-1A10	Gulfstream 650 GVI	
B&CA Equipped Price		\$57,500,000	\$61,500,000	\$62,310,000	\$66,610,000	
Characteristics	Seating	3+12/19	4+16/19	4+13/19	4+16/19	
	Wing Loading	96.0	80.1	97.4	77.6	
	Power Loading	3.62	2.96	3.37	2.95	
	Noise (EPNdB): TO/Sideline/APR	NA/NA/NA	79.3/90.2/90.8	82.4/87.9/89.7	77.5/89.8/88.3	
External Dimensions (ft.)	Length	80.3	96.4	99.4	99.8	
	Height	25.6	25.8	25.5	25.7	
	Span	86.3	93.5	94.0	99.6	
Internal Dimensions (ft.)	Length: OA/Net	50.1/42.7	50.1/42.6	48.3/43.3	53.6/46.8	
	Height	6.2	6.2	6.2	6.4	
Baggage	Width: Max/Floor	7.7/6.3	7.3/5.5	7.9/6.5	8.5/7.0	
	Internal: Cu. ft./lb. External: Cu. ft./lb.	140/2,004 —/—	226/2,500 —/—	195/1,000 —/—	235/2,500 —/—	
Power	Engines	3 P&WC PW307D	2 RR BR700-710C4-11	2 RR BR700-710A2-20	2 RR BR700-725A1-12	
	Output (lb. each)/Flat Rating Inspection Interval	6,722/ISA+17C 7,200c	15,385/ISA+15C 8,000t or OC	14,750/ISA+20C OC	16,900/ISA+15C 10,000t	
Weights (lb.)	Max Ramp	73,200	91,400	99,750	100,000	
	Max Takeoff	73,000	91,000	99,500	99,600	
	Max Landing	62,400	75,300	78,600	83,500	
	Zero Fuel	41,000c	54,500c	58,000c	60,500c	
	BOW	36,100	48,700	52,800*	54,500	
	Max Payload	4,900	5,800	5,200	6,000	
	Useful Load	37,100	42,700	46,950	45,500	
	Executive Payload	2,400	3,200	2,600	3,200	
	Max Fuel	34,900	40,994	44,716	44,200	
	Available Payload w/Max Fuel Available Fuel w/Max Payload Available Fuel w/Executive Payload	2,200 32,200 34,700	1,706 36,900 39,500	2,234 41,750 44,350	1,300 39,500 42,300	
Limits	Mmo	0.900	0.885	0.890	0.925	
	Trans. Alt. FL/Wmo PSI	FL 270/370 10.2	FL 270/340 10.2	FL 303/340 10.3	FL 290/340 10.7	
Airport Performance	TOFL (SL elev./ISA temp.)	6,000	5,910	6,476	5,858	
	TOFL (5,000' elev.@25C)	8,605	9,070	7,880	9,000	
	Hot/High Weight Limit	72,400	91,000	94,513p	99,600	
	NBAA IFR Range	NA	6,738	5,633	6,912	
	V ₂ @ SL, ISA, MTOW	137	147	142	146	
	V _{REF} w/4 Pax, NBAA IFR Res.	106	112	110	114	
Climb	Landing Distance w/4 Pax, NBAA IFR Res.	2,150	2,240	2,236	2,680	
	Time to Climb/Altitude	20/FL 370	18/FL 370	20/FL 370	19/FL 370	
Ceiling (ft.)	FAR 25 Engine-Out Rate (fpm)	NA	594	474	NA	
	FAR 25 Engine-Out Gradient (ft./nm)	NA	242	200	NA	
Cruise	Long Range	Certificated	51,000	51,000	51,000	
		All-Engine Service	42,700	42,700	42,700	
		Engine-Out Service	NA	25,820	18,000	25,000
		Sea-Level Cabin	29,200	29,200	30,125	31,900
		TAS	NA	459	470	488
	High Speed	Fuel Flow	NA	2,563	3,043	2,825
		Altitude	NA	FL 450	FL 450	FL 450
		Specific Range	NA	0.179	0.154	0.173
		TAS	NA	488	499	516
		Fuel Flow	NA	3,228	3,789	3,136
NBAA IFR Ranges (200-nm alternate)	Max Payload (w/available fuel)	Altitude	NA	FL 430	FL 410	
		Specific Range	NA	0.151	0.132	
		Nautical Miles	NA	5,767	5,882	
		Average Speed	NA	452	464	
		Trip Fuel	NA	33,993	40,415	
	Max Fuel (w/available payload)	Specific Range/Altitude	NA/NA	0.170/FL 490	0.146/FL 470	
		Nautical Miles	NA	6,698	6,088	
		Average Speed	NA	454	464	
		Trip Fuel	NA	38,202	41,421	
		Specific Range/Altitude	NA/NA	0.175/FL 490	0.147/FL 470	
Eight Passengers (w/available fuel)	Nautical Miles	6,450	6,708	6,147		
	Average Speed	454	453	464		
	Trip Fuel	32,478	38,205	41,448		
	Specific Range/Altitude	0.199/FL 470	0.176/FL 490	0.148/FL 470		
	Nautical Miles	NA	6,853	6,258		
Ferry	Average Speed	NA	454	464		
	Trip Fuel	NA	38,251	41,479		
	Specific Range/Altitude	NA/NA	0.179/FL 510	0.151/FL 470		
	Nautical Miles	NA	6,853	6,258		
	Average Speed	NA	454	464		
Missions (8 passengers)	1,000 nm	Trip Fuel	NA	38,251	41,479	
		Specific Range/Altitude	NA/NA	0.179/FL 510	0.151/FL 470	
		Runway	2,655	3,436	2,832	
		Flight Time	2+17	2+20	2+13	
	3,000 nm	Fuel Used	4,840	5,599	6,821	
		Specific Range/Altitude	0.207/FL 470	0.179/FL 490	0.147/FL 470	
		Runway	3,505	3,599	3,818	
		Flight Time	6+39	6+42	6+20	
	6,000 nm	Fuel Used	13,705	15,474	19,461	
		Specific Range/Altitude	0.219/FL 470	0.194/FL 490	0.154/FL 470	
		Runway	5,525	5,277	6,137	
		Flight Time	13+12	13+15	12+39	
Remarks	Fuel Used	29,885	33,428	40,885		
	Specific Range/Altitude	0.201/FL 470	0.179/FL 490	0.147/FL 490		
Certification Basis		FAR/EASA 25 pending EASy III flight deck; DFCS; all data preliminary; 2016 introductory price.	FAR 25, 1997/2003 EASA 25 CS, 2004	FAR 25, 1998/2003; JAR 25 BEVS and new Global Vision flight deck standard. *B&CA adjusted weight.	FAR, EASA CS 25, 2012	

ULTRA-LONG-RANGE JETS

Manufacturer		Gulfstream Aerospace	Boeing	Airbus
Model		Gulfstream 650ER GVI	BBJ 737-700iGW	ACJ319 A319-133
B&CA Equipped Price		\$68,680,000	\$71,400,000	\$87,000,000
Characteristics	Seating	4+16/19	4+19/149	4+19/156
	Wing Loading	80.7	127.5	127.8
	Power Loading	3.07	3.13	3.12
	Noise (EPNdB): TO/Sideline/APR	78.7/89.6/88.3	85.4/94.9/95.8	85.4/94.6/94.2
External Dimensions (ft.)	Length	99.8	110.3	111.0
	Height	25.7	41.2	38.6
	Span	99.6	117.4	111.8
Internal Dimensions (ft.)	Length: OA/Net	53.6/46.8	79.2/79.2	78.0/78.0
	Height	6.4	7.1	7.4
Baggage	Width: Max/Floor	8.5/7.0	11.6/10.7	12.2/11.6
	Internal: Cu. ft./lb.	235/2,500	NA/NA	160/NA
Power	External: Cu. ft./lb.	—/—	169/NA	NA/NA
	Engines	2 RR BR700-725A1-12	2 CFMI CFM56-7B27E	2 CFMI CFM56-5B7/3*
Weights (lb.)	Output (lb. each)/Flat Rating	16,900/ISA+15C	27,300/ISA+15C	27,000/ISA+29C
	Inspection Interval	10,000t	OC	OC
Limits	Max Ramp	104,000	171,500	169,530
	Max Takeoff	103,600	171,000	168,650
	Max Landing	83,500	134,000	137,790
	Zero Fuel	60,500c	126,000c	128,970c
	BOW	54,500	97,740	96,450**
	Max Payload	6,000	28,260	32,520
	Useful Load	49,500	73,760	73,080
	Executive Payload	3,200	3,800	3,800
	Max Fuel	48,200	71,737	72,560
	Available Payload w/Max Fuel	1,300	2,023	520
Airport Performance	Available Fuel w/Max Payload	43,500	45,500	40,560
	Available Fuel w/Executive Payload	46,300	69,960	69,280
Climb	Mwo	0.925	0.820	0.820
	Trans. Alt. FL/Wvo	FL 290/340	FL 260/340	FL 250/350
Airport Performance	PSI	10.7	9.0	8.3
	TOFL (SL elev./ISA temp.)	6,299	6,085	6,170
	TOFL (5,000' elev.@25C)	11,139	10,200	8,360
	Hot/High Weight Limit	103,600	170,827	168,650
	NBAA IFR Range	7,437	6,260	6,000
	V ₂ @ SL, ISA, MTOW	148	141	137
Ceiling (ft.)	V _{REF} w/4 Pax, NBAA IFR Res.	114	116	111
	Landing Distance w/4 Pax, NBAA IFR Res.	2,680	2,360	2,220
Cruise	Time to Climb/Altitude	21/FL 370	25/FL 370	22/360
	FAR 25 Engine-Out Rate (fpm)	NA	NA	NA
Cruise	FAR 25 Engine-Out Gradient (ft./nm)	NA	NA	NA
	Certificated	51,000	41,000	41,000
Cruise	All-Engine Service	41,000	38,000	36,000
	Engine-Out Service	25,000	20,500	18,000
Cruise	Sea-Level Cabin	31,900	24,000	22,000
	TAS	488	452	447
Cruise	Fuel Flow	2,883	4,707	4,695
	Altitude	FL 450	FL 390	FL 370
Cruise	Specific Range	0.169	0.096	0.095
	TAS	516	470	470
Cruise	Fuel Flow	3,136	5,567	5,830
	Altitude	FL 450	FL 370	FL 370
Cruise	Specific Range	0.165	0.084	0.081
	Nautical Miles	6,459	3,291	2,679
NBAA IFR Ranges (200-nm alternate)	Average Speed	481	437	434
	Trip Fuel	40,285	39,571	33,677
NBAA IFR Ranges (200-nm alternate)	Specific Range/Altitude	0.160/FL 490	0.083/FL 390	0.080/FL 370
	Nautical Miles	7,507	6,229	6,134
NBAA IFR Ranges (200-nm alternate)	Average Speed	482	442	442
	Trip Fuel	45,129	66,866	66,673
NBAA IFR Ranges (200-nm alternate)	Specific Range/Altitude	0.166/FL 510	0.093/FL 410	0.092/FL 410
	Nautical Miles	7,437	6,237	6,002
NBAA IFR Ranges (200-nm alternate)	Average Speed	482	442	442
	Trip Fuel	44,820	66,871	65,558
NBAA IFR Ranges (200-nm alternate)	Specific Range/Altitude	0.166/FL 510	0.093/FL 410	0.092/FL 410
	Nautical Miles	7,636	6,306	6,200
NBAA IFR Ranges (200-nm alternate)	Average Speed	482	442	442
	Trip Fuel	45,168	66,914	67,207
NBAA IFR Ranges (200-nm alternate)	Specific Range/Altitude	0.169/FL 510	0.094/FL 410	0.092/FL 410
	Nautical Miles	3,241	3,480	4,075
Missions (8 passengers)	Flight Time	2+10	2+27	2+26
	Fuel Used	5,942	10,422	10,370
Missions (8 passengers)	Specific Range/Altitude	0.168/FL 510	0.096/FL 410	0.096/FL 410
	Runway	3,591	4,275	4,280
Missions (8 passengers)	Flight Time	6+17	6+55	6+54
	Fuel Used	16,280	29,650	30,070
Missions (8 passengers)	Specific Range/Altitude	0.184/FL 510	0.101/FL 410	0.100/FL 410
	Runway	5,241	5,870	6,160
Missions (8 passengers)	Flight Time	12+28	13+34	13+35
	Fuel Used	34,622	63,852	65,528
Missions (8 passengers)	Specific Range/Altitude	0.173/FL 510	0.094/FL 410	0.092/FL 410
	Remarks	Certification Basis	FAR 25, 2014	FAR 25 A 77, 1967/98
				FAR 25, 1999 *Available with 26,500-lbf AEV2527M-A5; includes 6 additional center tanks and VIP cabin. **Spec weight.