

JETS LESS THAN 10,000-LB. MTOW

Manufacturer		Cessna
Model		Citation Mustang CE-510
Characteristics	BCA Equipped Price	\$3,430,000
	Seating	1+5/5
	Wing Loading	41.2
	Power Loading	2.96
Noise (EPNdB): TO/Sideline/APR		73.9/85.0/86.0
	Length	40.6
External Dimensions (ft.)	Height	13.4
	Span	43.2
Internal Dimensions (ft.)	Length: OA/Net	9.8/9.8
	Height	4.5
Baggage	Width: Max/Floor	4.6/3.1
	Internal: Cu. ft./lb.	6/98
Power	External: Cu. ft./lb.	57/620
	Engine(s)	2 P&WC PW615F
Weights (lb.)	Output (lb. each)/Flat Rating	1,460/ISA+10C
	Inspection Interval	3,500t
	Max Ramp	8,730
	Max Takeoff	8,645
Limits	Max Landing	8,000
	Zero Fuel	6,750c
	BOW	5,590
	Max Payload	1,160
	Useful Load	3,140
	Executive Payload	1,000
	Max Fuel	2,580
	Available Payload w/Max Fuel	560
	Available Fuel w/Max Payload	1,980
	Available Fuel w/Executive Payload	2,140
Airport Performance	Mmo	0.630
	Trans. Alt. FL/Vmo	FL 271/250
Climb	PSI	8.3
	TOFL (SL elev./ISA temp.)	3,110
	TOFL (5,000' elev.@25C)	6,600
	Hot/High Weight Limit	8,645
Ceilings (ft.)	NBAA IFR Range	991
	V2@SL ISA, MTOW	97
	VREF w/4 Pax, NBAA IFR Res.	88
	Landing Distance w/4 Pax, NBAA IFR Res.	2,137
Cruise	Time to Climb/Altitude	20/FL 370
	FAR 25 Engine-Out Rate (fpm)	432
NBAA IFR Ranges (100-nm alternate)	FAR 25 Engine-Out Gradient (ft./nm)	267
	Certificated	41,000
Missions (4 passengers)	All-Engine Service	41,000
	Engine-Out Service	26,900
Remarks	Sea-Level Cabin	21,280
	TAS	319
Cruise	Fuel Flow	498
	Altitude	FL 390
NBAA IFR Ranges (100-nm alternate)	Specific Range	0.641
	TAS	339
Missions (4 passengers)	Fuel Flow	609
	Altitude	FL 350
Remarks	Specific Range	0.557
	Nautical Miles	716
Cruise	Average Speed	294
	Trip Fuel	1,300
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.551/FL 410
	Nautical Miles	1,159
Missions (4 passengers)	Average Speed	305
	Trip Fuel	1,948
Remarks	Specific Range/Altitude	0.595/FL 410
	Nautical Miles	970
Cruise	Average Speed	301
	Trip Fuel	1,674
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.579/FL 410
	Nautical Miles	1,205
Missions (4 passengers)	Average Speed	315
	Trip Fuel	1,965
Remarks	Specific Range/Altitude	0.613/FL 410
	Runway	2,495
Cruise	Flight Time	1+00
	Fuel Used	670
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.448/FL 370
	Runway	2,691
Missions (4 passengers)	Flight Time	1+56
	Fuel Used	1,134
Remarks	Specific Range/Altitude	0.529/FL 390
	Runway	3,109
Cruise	Flight Time	3+19
	Fuel Used	1,717
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.582/FL 410
	FAR 23, 2006	1,000-nm mission flow with 758-lb. payload.

JETS LESS THAN 20,000-LB. MTOW

Manufacturer		Embraer	Honda Aircraft Co.
Model		Phenom 100 EMB-500	HondaJet HA-420
Characteristics	BCA Equipped Price	\$4,080,000	\$4,500,000
	Seating	1+5/7	1+5/6
	Wing Loading	51.9	NA
	Power Loading	3.09	NA
Noise (EPNdB): TO/Sideline/APR		70.4/81.4/86.1	NA/NA/NA
	Length	42.1	42.6
External Dimensions (ft.)	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.	11/99	5/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	10,516	NA
	Max Takeoff	10,472	NA
Limits	Max Landing	9,766	NA
	Zero Fuel	8,444c	NA
	BOW	7,132	NA
	Max Payload	1,312	NA
	Useful Load	3,384	NA
	Executive Payload	1,000	NA
	Max Fuel	2,804	NA
	Available Payload w/Max Fuel	580	NA
	Available Fuel w/Max Payload	2,072	NA
	Available Fuel w/Executive Payload	2,384	NA
Airport Performance	Mmo	0.700	0.720
	Trans. Alt. FL/Vmo	280/275	FL 300/NA
Climb	PSI	8.3	8.7
	TOFL (SL elev./ISA temp.)	3,040	4,000
	TOFL (5,000' elev.@25C)	6,384	NA
	Hot/High Weight Limit	10,472	NA
Ceilings (ft.)	NBAA IFR Range	1,065	NA
	V2@SL ISA, MTOW	98	NA
	VREF w/4 Pax, NBAA IFR Res.	94	NA
	Landing Distance w/4 Pax, NBAA IFR Res.	2,441	3,000
Cruise	Time to Climb/Altitude	23/FL 370	NA/NA
	FAR 25 Engine-Out Rate (fpm)	579	NA
NBAA IFR Ranges (100-nm alternate)	FAR 25 Engine-Out Gradient (ft./nm)	310	NA
	Certificated	41,000	43,000
Missions (4 passengers)	All-Engine Service	41,000	43,000
	Engine-Out Service	25,918	NA
Remarks	Sea-Level Cabin	21,280	NA
	TAS	333	NA
Cruise	Fuel Flow	524	NA
	Altitude	FL 410	NA
NBAA IFR Ranges (100-nm alternate)	Specific Range	0.635	NA
	TAS	390	420
Missions (4 passengers)	Fuel Flow	852	NA
	Altitude	FL 330	FL 300
Remarks	Specific Range	0.458	NA
	Nautical Miles	710	NA
Cruise	Average Speed	321	NA
	Trip Fuel	1,418	NA
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.501/FL 410	NA/NA
	Nautical Miles	1,194	1,180
Missions (4 passengers)	Average Speed	325	NA
	Trip Fuel	2,167	NA
Remarks	Specific Range/Altitude	0.551/FL 410	NA/NA
	Nautical Miles	1,044	NA
Cruise	Average Speed	324	NA
	Trip Fuel	1,940	NA
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.538/FL 410	NA/NA
	Nautical Miles	1,242	NA
Missions (4 passengers)	Average Speed	325	NA
	Trip Fuel	2,187	NA
Remarks	Specific Range/Altitude	0.568/FL 410	NA/NA
	Runway	2,717	NA
Cruise	Flight Time	0+54	NA
	Fuel Used	761	NA
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.394/FL 370	NA/NA
	Runway	2,784	NA
Missions (4 passengers)	Flight Time	1+46	NA
	Fuel Used	1,259	NA
Remarks	Specific Range/Altitude	0.477/FL 390	NA/NA
	Runway	3,273	NA
Cruise	Flight Time	3+05	NA
	Fuel Used	1,866	NA
NBAA IFR Ranges (100-nm alternate)	Specific Range/Altitude	0.536/FL 410	NA/NA
	FAR 23, 2008		FAR 23 pending All data preliminary.

JETS LESS THAN 20,000-LB. MTOW

Manufacturer		Cessna	Cessna	Syberjet	Cessna	Embraer	Cessna
Model		Citation M2 CE-525	Citation CJ2+ CE-525A	SJ30-2 SJ30-2	Citation CJ3 CE-525B	Phenom 300 EMB-505	Citation CJ4 CE-525C
Characteristics	BCA Equipped Price	\$4,545,000	\$7,228,000	\$7,250,000	\$8,347,000	\$8,755,000	\$9,342,000
	Seating	1+7/7	1+8/9	1+5/6	2+7/8	1+7/10	2+8/9
	Wing Loading	44.6	47.4	73.2	47.2	58.6	51.8
	Power Loading	2.72	2.51	3.03	2.46	2.67	2.36
External Dimensions (ft.)	Length	42.6	47.7	46.8	51.2	51.2	53.3
	Height	13.9	14.0	14.2	15.2	16.7	15.3
	Span	47.3	49.8	42.3	53.3	52.2	50.8
Internal Dimensions (ft.)	Length: OA/Net	11.0/11.0	13.6/13.6	12.5/12.5	15.7/15.7	17.2/17.2	17.3/17.3
	Height	4.8	4.8	4.4	4.8	4.9	4.8
Baggage	Width: Max/Floor	4.8/3.1	4.8/3.1	4.8/2.8	4.8/3.1	5.1/3.6	4.8/3.3
	Internal: Cu. ft./lb.	—/—	—/—	6/100	—/—	11/77	7/40
Power	Engines	2 Wms Intl FJ44-1AP-21	2 Wms Intl FJ44-3A-24	2 Wms Intl FJ44-2A	2 Wms Intl FJ44-3A	2 P&WC PW 535E	2 Wms Intl FJ44-4A
	Output (lb. each)/Flat Rating	1,965/ISA+7C	2,490/ISA+7C	2,300/ISA+8C	2,820/ISA+11C	3,360/ISA+15C	3,621/ISA+11C
Weights (lb.)	Inspection Interval	4,000t	4,000t	3,500t	4,000t	5,000t	5,000t
	Max Ramp	10,800	12,625	14,050	14,070	18,078	17,230
	Max Takeoff	10,700	12,500	13,950	13,870	17,968	17,110
	Max Landing	9,900	11,525	12,725	12,750	16,865	15,660
	Zero Fuel	8,400c	9,700c	10,500c	10,510c	13,999c	12,500c
	BOW	6,991	8,010	8,917	8,760	11,583	10,430
	Max Payload	1,409	1,690	1,583	1,750	2,416	2,070
	Useful Load	3,809	4,615	5,133	5,310	6,495	6,800
	Executive Payload	1,400	1,600	1,000	1,400	1,400	1,600
	Max Fuel	3,309	3,930	4,850	4,710	5,353	5,828
Limits	Available Payload w/Max Fuel	500	685	283	600	1,142	972
	Available Fuel w/Max Payload	2,400	2,925	3,550	3,560	4,079	4,730
Airport Performance	Available Fuel w/Executive Payload	2,409	3,015	4,133	3,910	5,095	5,200
	Mmo	0.710	0.737	0.830	0.737	0.780	0.770
Climb	Trans. Alt. FL/Vmo	FL 291/278	FL 291/278	FL 295/320	FL 293/278	FL 263/320	FL 279/305
	PSI	8.5	8.9	12.0	8.9	9.4	9.0
	TOFL (SL elev./ISA temp.)	3,250	3,360	3,939	3,180	3,138	3,190
	TOFL (5,000' elev.@25C)	5,720	5,180	8,784	4,750	5,114	5,130
Airport Performance	Hot/High Weight Limit	10,700	12,500	13,125	13,870	17,968	16,938
	NBAA IFR Range	1,145	1,543	1,915	1,726	2,019	1,943
	V2@SL ISA, MTOW	NA	116	112	114	112	117
	VREF w/4 Pax, NBAA IFR Res.	NA	102	104	99	104	99
Climb	Landing Distance w/4 Pax, NBAA IFR Res.	2,354	2,655	2,657	2,422	2,220	2,277
	Time to Climb/Altitude	18/FL 370	15/FL 370	16/FL 370	15/FL 370	14/FL 370	14/FL 370
Ceilings (ft.)	FAR 25 Engine-Out Rate (fpm)	NA	611	312	808	911	839
	FAR 25 Engine-Out Gradient (ft./nm)	NA	316	167	425	462	430
Cruise	Certificated	41,000	45,000	49,000	45,000	45,000	45,000
	All-Engine Service	41,000	45,000	44,000	45,000	45,000	45,000
	Engine-Out Service	NA	23,800	25,800	26,250	30,137	28,200
	Sea-Level Cabin	22,027	23,586	41,000	23,586	25,560	23,984
Cruise	TAS	317	357	436	351	383	376
	Fuel Flow	501	589	684	620	757	809
	Altitude	FL 410	FL 450	FL 450	FL 450	FL 450	FL 450
	Specific Range	0.633	0.606	0.637	0.566	0.506	0.465
Cruise	TAS	398	413	475	415	444	442
	Fuel Flow	944	1,096	1,188	1,196	1,312	1,470
	Altitude	FL 350	FL 350	FL 360	FL 350	FL 350	FL 370
	Specific Range	0.422	0.377	0.400	0.347	0.338	0.301
NBAA IFR Ranges (FAR Part 23, 100-nm alternate; FAR Part 25, 200-nm alternate)	Max Payload (w/available fuel)	768	993	1,635	1,172	1,247	1,425
	Average Speed	357	368	402	368	397	407
	Trip Fuel	1,672	2,071	2,908	2,552	3,109	3,753
	Specific Range/Altitude	0.459/FL 410	0.479/FL 450	0.562/FL 470	0.459/FL 450	0.401/FL 450	0.380/FL 450
	Nautical Miles	1,313	1,610	2,598	1,869	1,877	1,913
	Average Speed	370	379	410	377	409	413
	Trip Fuel	2,652	3,152	4,241	3,850	4,416	4,904
	Specific Range/Altitude	0.495/FL 410	0.511/FL 450	0.613/FL 490	0.485/FL 450	0.425/FL 450	0.390/FL 450
Ferry	Nautical Miles	1,125	1,521	2,205	1,702	1,903	1,920
	Average Speed	366	378	408	376	411	415
	Trip Fuel	2,316	2,996	3,713	3,539	4,447	4,912
	Specific Range/Altitude	0.486/FL 410	0.508/FL 450	0.594/FL 490	0.481/FL 450	0.428/FL 450	0.391/FL 450
Missions (4 passengers)	Nautical Miles	1,342	1,647	2,667	1,890	1,944	1,949
	Average Speed	374	385	411	381	418	420
	Trip Fuel	2,680	3,178	4,246	3,865	4,473	4,947
	Specific Range/Altitude	0.501/FL 410	0.518/FL 450	0.628/FL 490	0.489/FL 450	0.435/FL 450	0.394/FL 450
	Runway	2,667	2,473	2,822	2,604	2,613	2,432
	Flight Time	0+52	0+49	0+45	0+49	0+47	0+46
	Fuel Used	824	898	846	972	1,058	1,089
	Specific Range/Altitude	0.364/FL 370	0.334/FL 370	0.355/FL 410	0.309/FL 370	0.284/FL 390	0.275/FL 390
1,000 nm	Runway	2,781	2,685	3,025	2,616	2,747	2,448
	Flight Time	1+39	1+35	1+26	1+35	1+29	1+27
	Fuel Used	1,400	1,460	1,313	1,576	1,735	1,868
	Specific Range/Altitude	0.429/FL 390	0.411/FL 410	0.457/FL 450	0.381/FL 410	0.346/FL 410	0.321/FL 410
Remarks	Runway	3,107	2,984	3,336	2,780	2,808	2,524
	Fuel Used	2,444	2+36	2+21	2+37	2+26	2+24
Remarks	Specific Range/Altitude	2,078	2,161	1,980	2,323	2,471	2,828
	Certification Basis	FAR 23 pending All data preliminary.	FAR 23, 2000/05	FAR 23 Commuter category	FAR 23 Commuter category, 2004	FAR 23 Commuter category, 2009	FAR 23 Commuter category, 2010

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Bombardier	Cessna	Bombardier	Bombardier	Gulfstream Aero.	Cessna	
Model		Learjet 70 Model 45	Citation XLS+ CE-560XL	Learjet 75 Model 45	Learjet 60XR Model 60	Gulfstream 150 G150	New Citation Sovereign CE-680	
Characteristics	BCA Equipped Price	\$11,296,000	\$13,099,000	\$13,793,000	\$14,674,000	\$15,700,000	\$18,195,000	
	Seating	2+6/7	2+9/12	2+8/9	2+7/9	2+7/9	2+9/12	
	Wing Loading	67.4	54.6	69.0	88.8	82.3	59.7	
	Power Loading	2.73	2.45	2.79	2.55	2.95	2.63	
External Dimensions (ft.)	Length	56.0	52.5	58.0	58.7	56.8	63.5	
	Height	14.0	17.2	14.0	14.6	19.1	20.3	
	Span	50.9	56.3	50.9	43.8	55.6	72.3	
	Length: OA/Net	17.7/17.7	18.5/18.5	19.8/19.8	17.7/15.8	17.7/17.7	25.3/25.3	
Internal Dimensions (ft.)	Height	4.9	5.7	4.9	5.7	5.8	5.7	
	Width: Max/Floor	5.1/3.2	5.5/3.9	5.1/3.2	5.9/3.8	5.8/4.7	5.5/3.9	
Baggage	Internal: Cu. ft./lb.	15/150	10/100	15/150	24/350	25/TBD	35/415	
	External: Cu. ft./lb.	50/500	80/700	50/500	24/300	55/1,100	100/1,000	
Power	Engines	2 Hon TFE731-40BR	2 P&WC PW545C	2 Hon TFE731-40BR	2 P&WC PW305A	2 Hon TFE731-40AR-200G	2 P&WC PW306D	
	Output (lb. each)/Flat Rating	3,850/ISA+23C	4,119/ISA+10C	3,850/ISA+23C	4,600/ISA+17C	4,420/ISA+13C	5,852/ISA+16C	
	Inspection Interval	6,000t	5,000t	6,000t	6,000t	6,000c	6,000t	
Weights (lb.)	Max Ramp	21,250	20,400	21,750	23,750	26,250	31,025	
	Max Takeoff	21,000	20,200	21,500	23,500	26,100	30,775	
	Max Landing	19,200	18,700	19,200	19,500	21,700	27,575	
	Zero Fuel	16,000c	15,100c	16,000c	17,000c	17,500c	21,000c	
	BOW	13,715	12,860	13,890	14,896	15,200	18,380	
	Max Payload	2,285	2,240	2,110	2,104	2,300	2,620	
	Useful Load	7,535	7,540	7,860	8,854	11,050	12,645	
	Executive Payload	1,200	1,800	1,600	1,400	1,400	1,800	
	Max Fuel	6,062	6,740	6,062	7,910	10,300	11,390	
	Available Payload w/Max Fuel	1,473	800	1,798	944	750	1,255	
Limits	Available Fuel w/Max Payload	5,250	5,300	5,750	6,750	8,750	10,025	
	Available Fuel w/Executive Payload	6,062	5,740	6,062	7,454	9,650	10,845	
	Mmo	0.810	0.750	0.810	0.810	0.850	0.800	
Airport Performance	Trans. Alt. FL/Vmo	FL 270/330	FL 265/305	FL 270/330	FL 270/330	FL 300/330	FL 298/305	
	PSI	9.4	9.3	9.4	9.4	8.8	9.3	
	TOFL (SL elev./ISA temp.)	4,230	3,560	4,440	5,450	5,012	3,650	
	TOFL (5,000' elev.@25C)	5,230	5,430	5,280	8,540	8,120	5,037	
	Hot/High Weight Limit	20,447	20,200	20,622	23,402p	26,100	30,353	
	NBAA IFR Range	1,925	1,740	1,903	2,275	2,988	3,056	
	V2@SL ISA, MTOW	NA	118	NA	147	131	NA	
	VREF w/4 Pax, NBAA IFR Res.	112	106	113	131	115	NA	
Climb	Landing Distance w/4 Pax, NBAA IFR Res.	2,335	2,740	2,350	3,049	2,442	2,204	
	Time to Climb/Altitude	15/FL 370	15/FL 370	15/FL 370	13/FL 370	17/FL 370	14/FL 370	
	FAR 25 Engine-Out Rate (fpm)	NA	765	NA	718	438	NA	
Ceilings (ft.)	FAR 25 Engine-Out Gradient (ft./nm)	NA	389	NA	293	201	NA	
	Certificated	51,000	45,000	51,000	51,000	45,000	47,000	
	All-Engine Service	45,200	45,000	44,700	42,400	42,400	45,000	
	Engine-Out Service	28,400	28,600	27,900	24,300	26,400	NA	
Cruise	Sea-Level Cabin	25,700	25,230	25,700	25,700	23,000	25,230	
	Long Range	TAS	NA	353	NA	423	430	383
		Fuel Flow	NA	862	NA	1,128	1,184	1,131
		Altitude	NA	FL 450	NA	FL 430	FL 430	FL 450
	High Speed	Specific Range	NA	0.410	NA	0.375	0.363	0.339
		TAS	NA	431	NA	446	475	447
Fuel Flow		NA	1,236	NA	1,288	1,938	1,760	
NBAA IFR Ranges (200-nm alternate)	Altitude	NA	FL 410	NA	FL 430	FL 350	FL 390	
	Specific Range	NA	0.349	NA	0.346	0.245	0.254	
	Max Payload (w/available fuel)	Nautical Miles	NA	1,150	NA	1,742	2,335	2,466
		Average Speed	NA	385	NA	413	415	388
	Max Fuel (w/available payload)	Trip Fuel	NA	3,663	NA	5,255	7,265	8,148
		Specific Range/Altitude	NA/NA	0.314/FL 450	NA/NA	0.331/FL 410	0.321/FL 450	0.303/FL 470
	Four Passengers (w/available fuel)	Nautical Miles	NA	1,745	NA	2,243	3,011	3,000
		Average Speed	NA	396	NA	415	418	392
	Ferry	Trip Fuel	NA	5,236	NA	6,486	8,903	9,640
		Specific Range/Altitude	NA/NA	0.333/FL 450	NA/NA	0.346/FL 410	0.338/FL 450	0.311/FL 470
Nautical Miles		NA	1,903	NA	2,292	2,988	3,033	
Average Speed		NA	433	NA	414	418	394	
Missions (4 passengers)	Trip Fuel	4,757	5,168	4,757	6,594	8,850	9,654	
	Specific Range/Altitude	0.400/FL 470	0.333/FL 450	0.400/FL 470	0.348/FL 410	0.338/FL 450	0.314/FL 470	
	Nautical Miles	NA	1,785	NA	2,398	3,122	3,101	
	Average Speed	NA	403	NA	412	419	397	
	300 nm	Trip Fuel	NA	5,268	NA	6,642	8,945	9,682
		Specific Range/Altitude	NA/NA	0.339/FL 450	NA/NA	0.361/FL 410	0.349/FL 450	0.320/FL 470
		Runway	NA	2,734	NA	3,308	3,623	2,630
	600 nm	Flight Time	NA	0+46	NA	0+45	0+50	0+45
		Fuel Used	NA	1,246	NA	1,109	1,230	1,486
		Specific Range/Altitude	NA/NA	0.241/FL 390	NA/NA	0.271/FL 450	0.244/FL 450	0.202/FL 390
1,000 nm	Runway	NA	2,758	NA	3,552	3,783	2,638	
	Flight Time	NA	1+29	NA	1+26	1+32	1+26	
	Fuel Used	NA	2,094	NA	1,909	1,974	2,384	
Remarks	Specific Range/Altitude	NA/NA	0.287/FL 410	NA/NA	0.314/FL 450	0.304/FL 450	0.252/FL 430	
	Runway	NA	3,028	NA	3,928	3,971	2,699	
	Flight Time	NA	2+26	NA	2+21	2+28	2+21	
Remarks	Fuel Used	NA	3,211	NA	3,011	2,998	3,731	
	Specific Range/Altitude	NA/NA	0.311/FL 430	NA/NA	0.332/FL 450	0.334/FL 450	0.268/FL 430	
Remarks	Certification Basis	FAR 25, EASA CS 25 pending All data preliminary.	FAR 25, 2008	FAR 25, EASA CS 25 pending All data preliminary.	FAR 25, 1981/92/2006	FAR 25 A108, 2005	FAR 25 pending All data preliminary.	

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Embraer	Cessna	Gulfstream Aero.	Bombardier	Embraer
Model		Legacy 500 EMB-550	New Citation X CE-750	Gulfstream 280 G280	Challenger 300 BD-100-1A10	Legacy 600 EMB-135BJ
Characteristics	BCA Equipped Price	\$19,995,000	\$23,100,000	\$24,000,000	\$24,853,000	\$26,000,000
	Seating	2+8/12	2+9/12	2+10/19	2+9/11	2+13/14
	Wing Loading	NA	NA	80.0	74.4	90.0
	Power Loading	NA	2.60	2.60	2.85	3.12
External Dimensions (ft.)	Length	67.3	73.6	66.8	68.7	86.4
	Height	22.1	19.2	21.3	20.0	22.2
	Span	66.4	69.2	63.0	63.8	69.5
	Length: OA/Net	26.8/23.9	25.2/25.2	32.3/25.8	28.6/19.6	49.8/42.4
Internal Dimensions (ft.)	Height	6.0	5.7	6.3	6.1	6.0
	Width: Max/Floor	6.8/4.7	5.5/3.9	7.2/5.7	7.2/5.1	6.9/5.2
Baggage	Internal: Cu. ft./lb.	40/NA	22/NA	154/1,980	106/750	286/1,441
	External: Cu. ft./lb.	110/NA	82/775	—/—	—/—	—/—
Power	Engines	2 Hon HTF7500E	2 RR AE3007C2	2 Hon HTF7250G	2 Hon HTF 7000	2 RR AE 3007 A1E
	Output (lb. each)/Flat Rating	6,540/ISA+15C	7,034/ISA+15C	7,624/ISA+17C	6,826/ISA+15C	7,953/ISA+22C
	Inspection Interval	OC	4,500*	OC	OC	OC
Weights (lb.)	Max Ramp	NA	36,900	39,750	39,000	49,758
	Max Takeoff	NA	36,600	39,600	38,850	49,604
	Max Landing	NA	32,000	32,700	33,750	40,785
	Zero Fuel	NA	24,978c	28,200c	27,200c	35,274c
	BOW	NA	22,464	24,150	23,850*	30,081
	Max Payload	2,800	2,514	4,050	3,350	5,193
	Useful Load	NA	14,436	15,600	15,150	19,677
	Executive Payload	1,600	1,800	2,000	1,800	2,600
	Max Fuel	NA	12,931	14,600	14,043	18,170
	Available Payload w/Max Fuel	1,600	1,505	1,000	1,107	1,507
Limits	Available Fuel w/Max Payload	NA	11,922	11,550	11,800	14,484
	Available Fuel w/Executive Payload	NA	12,636	13,600	13,350	17,077
	Mmo	0.830	0.935	0.850	0.830	0.800
Airport Performance	Trans. Alt. FL/Vmo	NA/NA	FL 307/350	FL 280/340	FL 290/320	FL 276/320
	PSI	9.6	9.3	9.2	8.8	8.4
	TOFL (SL elev./ISA temp.)	4,600	5,150	4,750	4,810	5,614
	TOFL (5,000' elev.@25C)	NA	7,300	7,320	6,860	7,604
	Hot/High Weight Limit	NA	35,400p	39,600	38,545	49,604
	NBAA IFR Range	NA	3,164	3,600	3,250	3,453
	V2@SL ISA, MTOW	NA	NA	137	130	139
Climb	VREF w/4 Pax, NBAA IFR Res.	NA	NA	117	113	113
	Landing Distance w/4 Pax, NBAA IFR Res.	NA	2,735	2,642	2,290	2,301
	Time to Climb/Altitude	14/FL 370	14/FL 370	14/FL 370	14/FL 370	21/FL 370
Ceilings (ft.)	FAR 25 Engine-Out Rate (fpm)	NA	NA	845	474	630
	FAR 25 Engine-Out Gradient (ft./nm)	NA	NA	371	219	272
	Certificated	45,000	51,000	45,000	45,000	41,000
	All-Engine Service	44,000	45,000	45,000	44,000	40,900
Cruise	Engine-Out Service	NA	NA	27,500	27,800	23,276
	Sea-Level Cabin	26,520	25,230	25,000	23,338	21,650
	TAS	421	470	459	459	424
	Fuel Flow	NA	1,427	1,478	1,584	1,874
	Altitude	NA	FL 470	FL 450	FL 450	FL 410
	Specific Range	NA	0.329	0.311	0.290	0.226
	TAS	467	516	482	470	455
	Fuel Flow	NA	2,329	1,910	1,809	2,545
	Altitude	NA	FL 410	FL 430	FL 430	FL 370
	Specific Range	NA	0.222	0.252	0.260	0.179
NBAA IFR Ranges (200-nm alternate)	Nautical Miles	NA	2,813	2,544	2,581	2,417
	Average Speed	NA	463	434	446	414
	Trip Fuel	NA	9,959	9,591	10,085	12,242
	Specific Range/Altitude	NA/NA	0.282/FL 490	0.265/FL 450	0.256/FL 450	0.197/FL 410
	Nautical Miles	NA	3,229	3,590	3,226	3,376
	Average Speed	NA	464	441	449	407
	Trip Fuel	NA	11,122	12,657	12,194	16,056
	Specific Range/Altitude	NA/NA	0.290/FL 490	0.284/FL 450	0.265/FL 450	0.210/FL 410
	Nautical Miles	3,000	3,295	3,600	3,250	3,430
	Average Speed	NA	464	442	448	406
Ferry	Trip Fuel	NA	11,151	12,761	12,203	16,056
	Specific Range/Altitude	NA/FL 450	0.295/FL 490	0.282/FL 450	0.266/FL 450	0.214/FL 410
	Nautical Miles	NA	3,380	3,686	3,310	3,485
	Average Speed	NA	465	442	448	402
Missions (4 passengers)	Trip Fuel	NA	11,188	12,792	12,228	16,122
	Specific Range/Altitude	NA/NA	0.302/FL 490	0.288/FL 450	0.271/FL 450	0.216/FL 410
	Runway	NA	NA	2,957	3,370	3,522
	Flight Time	NA	0+40	0+48	0+47	0+48
	Fuel Used	NA	1,847	1,524	1,578	1,894
	Specific Range/Altitude	NA/NA	0.162/FL 370	0.197/FL 450	0.190/FL 450	0.158/FL 410
	Runway	NA	NA	2,997	3,420	3,716
	Flight Time	1+31	1+15	1+27	1+26	1+37
	Fuel Used	2,474	2,915	2,443	2,568	3,044
	Specific Range/Altitude	0.243/FL 450	0.206/FL 430	0.246/FL 450	0.234/FL 450	0.197/FL 410
	Runway	NA	NA	3,136	3,487	3,789
	Flight Time	NA	2+02	2+19	2+18	2+36
Fuel Used	NA	4,588	3,692	3,910	4,731	
Specific Range/Altitude	NA/NA	0.218/FL 430	0.271/FL 450	0.256/FL 450	0.211/FL 410	
Remarks	Certification Basis	FAR 25, EASA CS 25 pending All data preliminary.	FAR/EASA 25 pending All data preliminary; Garmin G5000; *engine flight hour inspection interval.	FAR 25, 2012 and EASA CS 25, 2013	FAR 25 A 98 and JAR 25 Chg 15 *BCA Operators Survey BOW 24,120 lb.	FAR 25, 2002

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Dassault	Bombardier	Embraer	Bombardier	Dassault	
Model		Falcon 2000S Falcon 2000EX	Challenger 605 CL-600-2B16	Legacy 650 EMB-135BJ*	Challenger 850 CL-600-2B19	Falcon 2000LX Falcon 2000EX	
Characteristics	BCA Equipped Price	\$27,100,000	\$31,023,000	\$31,600,000	\$31,981,000	\$32,300,000	
	Seating	2+10/19	3+10/19	2+13/14	2+14/15	2+8/19	
	Wing Loading	77.7	107.1	97.2	101.8	81.2	
	Power Loading	2.93	2.76	2.97	3.04	3.06	
External Dimensions (ft.)	Length	66.3	68.4	86.4	87.8	66.3	
	Height	23.2	20.7	21.8	20.4	23.2	
	Span	70.2	64.3	69.5	69.6	70.2	
	Length: OA/Net	31.2/26.2	28.3/25.5	49.8/42.4	48.4/40.2	31.2/26.2	
Internal Dimensions (ft.)	Height	6.2	6.1	6.0	6.0	6.2	
	Width: Max/Floor	7.7/6.3	7.9/6.9	6.9/5.2	7.9/6.9	7.7/6.3	
	Internal: Cu. ft./lb.	131/1,600	115/900	286/1,441	147/900	131/1,600	
Baggage	External: Cu. ft./lb.	—/—	—/—	—/—	—/—	—/—	
	Engines	2 P&WC PW308C	2 GE CF34-3B	2 RR AE 3007A2	2 GE CF34-3B1	2 P&WC PW308C	
Power	Output (lb. each)/Flat Rating	7,000/ISA+15C	8,729/ISA+15C	9,020/ISA+15C	8,729/ISA+8C	7,000/ISA+15C	
	Inspection Interval	7,000c	0C	0C	0C	7,000c	
Weights (lb.)	Max Ramp	41,200	48,300	53,727	53,250	43,000	
	Max Takeoff	41,000	48,200	53,572	53,000	42,800	
	Max Landing	39,300	38,000	44,092	47,000	39,300	
	Zero Fuel	29,700c	32,000c	36,156c	44,000c	29,700c	
	BOW	24,750	27,150	31,217	34,618	24,750	
	Max Payload	4,950	4,850	4,939	9,382	4,950	
	Useful Load	16,450	21,150	22,510	18,632	18,250	
	Executive Payload	2,000	2,000	2,600	2,800	1,600	
	Max Fuel	14,600	19,852	20,600	18,274	16,660	
	Available Payload w/Max Fuel	1,850	1,298	1,910	358	1,590	
Limits	Available Fuel w/Max Payload	11,500	16,300	17,571	9,250	13,300	
	Available Fuel w/Executive Payload	14,450	19,150	19,910	15,832	16,650	
Airport Performance	MWO	0.862	0.850	0.800	0.850	0.862	
	Trans. Alt. FL/VMO	FL 250/370	FL 222/348	FL 276/320	FL 254/335	FL 250/370	
	PSI	9.3	8.8	8.4	8.6	9.3	
	TOFL (SL elev./ISA temp.)	4,325	5,840	5,741	6,305	5,780	
Climb	TOFL (5,000' elev.@25C)	6,050	9,192	7,979	11,332	8,440	
	Hot/High Weight Limit	39,950	47,702	53,572	53,000p	42,010	
	NBAA IFR Range	3,555	4,038	3,953	2,986	4,095	
	V ₂ @SL ISA, MTOW	123	147	144	146	138	
	VREF w/4 Pax, NBAA IFR Res.	106	117	115	126	116	
	Landing Distance w/4 Pax, NBAA IFR Res.	2,300	2,360	2,346	2,475	2,690	
Ceilings (ft.)	Time to Climb/Altitude	14/FL 370	21/FL 370	21/FL 370	32/FL 370	16/FL 370	
	FAR 25 Engine-Out Rate (fpm)	535	581	633	443	490	
	FAR 25 Engine-Out Gradient (ft./nm)	261	237	259	182	216	
Cruise	Certificated	47,000	41,000	41,000	41,000	47,000	
	All-Engine Service	43,700	38,250	41,000	37,760	43,700	
	Engine-Out Service	26,150	20,000	23,128	19,370	26,150	
	Sea-Level Cabin	25,300	23,000	21,650	21,100	25,300	
	Long Range	TAS	437	424	425	424	437
		Fuel Flow	1,455	1,828	1,901	2,061	1,485
	High Speed	Altitude	FL 450	FL 410	FL 410	FL 390	FL 450
		Specific Range	0.300	0.232	0.224	0.206	0.294
	NBAA IFR Ranges (200-nm alternate)	TAS	482	470	459	459	482
		Fuel Flow	2,280	2,443	2,570	2,393	2,315
Altitude		FL 390	FL 370	FL 370	FL 370	FL 390	
Specific Range		0.211	0.192	0.179	0.192	0.208	
Nautical Miles		2,450	3,010	3,076	1,116	2,905	
Average Speed		426	416	417	402	428	
Trip Fuel		9,640	14,256	15,238	6,759	11,475	
Specific Range/Altitude		0.254/FL 450	0.211/FL 410	0.202/FL 410	0.165/FL 370	0.253/FL 450	
Nautical Miles		3,445	3,973	3,839	3,089	3,980	
Average Speed		429	418	417	416	431	
Trip Fuel	12,740	17,939	18,380	16,111	14,835		
Ferry	Specific Range/Altitude	0.270/FL 470	0.221/FL 410	0.209/FL 410	0.192/FL 390	0.268/FL 470	
	Nautical Miles	3,540	4,047	3,919	2,986	4,075	
	Average Speed	431	418	415	416	431	
	Trip Fuel	12,740	18,105	18,422	15,652	14,835	
	Specific Range/Altitude	0.278/FL 470	0.224/FL 410	0.213/FL 410	0.191/FL 390	0.275/FL 470	
	Nautical Miles	3,615	4,121	3,980	3,110	4,145	
Missions (4 passengers)	Average Speed	430	418	414	416	431	
	Trip Fuel	12,740	18,134	18,450	16,124	14,835	
	Specific Range/Altitude	0.284/FL 470	0.227/FL 410	0.216/FL 410	0.193/FL 390	0.279/FL 450	
	Runway	2,900	3,389	3,346	3,858	3,405	
	Flight Time	0+48	0+47	0+49	0+48	0+48	
	Fuel Used	1,525	1,593	1,773	2,143	1,525	
	Specific Range/Altitude	0.197/FL 450	0.188/FL 390	0.169/FL 410	0.140/FL 390	0.197/FL 450	
	Runway	2,905	3,428	3,518	4,109	3,405	
	Flight Time	1+28	1+25	1+34	1+28	1+28	
	Fuel Used	2,465	3,065	3,146	3,603	2,465	
Remarks	Specific Range/Altitude	0.243/FL 470	0.196/FL 390	0.191/FL 410	0.167/FL 390	0.243/FL 470	
	Runway	3,050	3,490	3,573	4,474	3,405	
	Flight Time	2+21	2+16	2+33	2+21	2+21	
	Fuel Used	3,755	5,097	4,815	5,648	3,755	
Certification Basis	Specific Range/Altitude	0.266/FL 470	0.196/FL 390	0.208/FL 410	0.177/FL 390	0.266/FL 470	
	FAR/EASA 25 pending All data preliminary; EASy II flight deck; autobrakes; 2014 delivery price.	FAR 25, 1980/83/ 87/95/2006 Pro Line 21; Class III EFB with IFIS.	FAR 25, 2011 *Factory modification DCA 145-000- 00020/2008.	FAR/JAR 25, 1992 Optional ISA+15C engine flat-rating.	FAR/EASA 25, 2003/09 EASy II flight deck; autobrakes; 2014 delivery price.		

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Dassault	Gulfstream Aero.	Dassault	Bombardier	Dassault	
Model		Falcon 2000LX Falcon 2000EX	Gulfstream 450 GIV-X	Falcon 900LX Falcon 900EX	Global 5000 BD-700-1A11	Falcon 7X Falcon 7X	
Characteristics	BCA Equipped Price	\$32,900,000	\$41,000,000	\$42,200,000	\$48,963,000	\$52,300,000	
	Seating	2+8/19	2+14/19	2+12/19	3+13/19	3+12/19	
	Wing Loading	81.2	77.8	92.9	90.5	92.0	
	Power Loading	3.06	2.69	3.27	3.14	3.64	
External Dimensions (ft.)	Length	66.3	89.3	66.3	96.8	76.1	
	Height	23.2	25.2	24.8	25.5	25.7	
	Span	70.2	77.8	70.2	94.0	86.0	
Internal Dimensions (ft.)	Length: OA/Net	31.2/26.2	45.1/37.0	39.0/33.2	45.7/40.7	46.5/39.1	
	Height	6.2	6.2	6.2	6.3	6.2	
Baggage	Width: Max/Floor	7.7/6.3	7.3/5.5	7.7/6.3	8.2/6.9	7.7/6.3	
	Internal: Cu. ft./lb.	131/1,600	169/2,000	127/2,866	195/1,000	140/2,004	
Power	Engines	2 P&WC PW308C	2 RR Tay Mk 611-8C	3 Hon TFE731-60	2 RR BR700-710A2-20	3 P&WC PW307A	
	Output (lb. each)/Flat Rating	7,000/ISA+15C	13,850/ISA+15C	5,000/ISA+17C	14,750/ISA+20C	6,402/ISA+17C	
Weights (lb.)	Inspection Interval	7,000c	12,000t or OC	6,000c	OC	7,200c	
	Max Ramp	43,000	75,000	49,200	92,750	70,200	
	Max Takeoff	42,800	74,600	49,000	92,500	70,000	
	Max Landing	39,300	66,000	44,500	78,600	62,400	
	Zero Fuel	29,700c	49,000c	30,864c	58,000c	41,000c	
	BOW	24,750	43,200	26,750	50,861	36,600	
	Max Payload	4,950	5,800	4,114	7,139	4,400	
	Useful Load	18,250	31,800	22,450	41,889	33,600	
	Executive Payload	1,600	2,800	2,400	2,600	2,400	
	Max Fuel	16,660	29,281	20,905	38,959	31,940	
Limits	Available Payload w/Max Fuel	1,590	2,519	1,545	2,930	1,660	
	Available Fuel w/Max Payload	13,300	26,000	18,336	34,750	29,200	
	Available Fuel w/Executive Payload	16,650	29,000	20,050	38,959	31,200	
	Mmo	0.862	0.880	0.870	0.890	0.900	
Airport Performance	Trans. Alt. FL/Vmo	FL 250/370	FL 280/340	FL 250/370	FL 303/340	FL 270/370	
	PSI	9.3	9.6	9.3	10.3	10.2	
	TOFL (SL elev./ISA temp.)	4,675	5,600	5,360	5,540	5,705	
Climb	TOFL (5,000' elev.@25C)	6,800	8,200	7,615	6,798	8,045	
	Hot/High Weight Limit	42,010	74,600	48,255	88,373	69,140	
	NBAA IFR Range	4,095	4,328	4,710	5,185	5,795	
	V ₂ @SL ISA, MTOW	126	150	134	133	133	
	V _{REF} w/4 Pax, NBAA IFR Res.	106	123	111	107	106	
	Landing Distance w/4 Pax, NBAA IFR Res.	2,300	2,663	2,432	2,189	2,120	
Ceilings (ft.)	Time to Climb/Altitude	16/FL 370	16/FL 370	18/FL 370	18/FL 370	18/FL 370	
	FAR 25 Engine-Out Rate (fpm)	464	712	703	704	615	
Cruise	FAR 25 Engine-Out Gradient (ft./nm)	219	285	315	318	280	
	Long Range	Certificated	47,000	45,000	51,000	51,000	51,000
		All-Engine Service	43,700	42,400	40,100	44,600	41,360
	High Speed	Engine-Out Service	26,150	25,000	31,400	20,600	31,560
		Sea-Level Cabin	25,300	26,700	25,300	30,125	29,200
	NBAA IFR Ranges (200-nm alternate)	TAS	437	459	431	470	459
		Fuel Flow	1,485	2,585	1,670	2,856	2,260
		Altitude	FL 450	FL 450	FL 430	FL 450	FL 430
		Specific Range	0.294	0.178	0.258	0.165	0.203
		Max Payload (w/available fuel)	TAS	482	476	474	505
Fuel Flow			2,315	3,055	2,230	3,582	3,205
Four Passengers (w/available fuel)	Altitude	FL 390	FL 410	FL 390	FL 410	FL 390	
	Specific Range	0.208	0.156	0.213	0.141	0.155	
	Nautical Miles	2,905	3,549	3,810	4,958	5,000	
	Average Speed	428	452	420	463	453	
	Trip Fuel	11,475	22,622	16,386	33,418	26,820	
	Specific Range/Altitude	0.253/FL 450	0.157/FL 450	0.233/FL 430	0.148/FL 470	0.186/FL 450	
Ferry	Nautical Miles	3,980	4,216	4,595	5,381	5,670	
	Average Speed	431	453	421	463	454	
	Trip Fuel	14,835	26,023	18,955	35,695	29,560	
	Specific Range/Altitude	0.268/FL 470	0.162/FL 450	0.242/FL 430	0.151/FL 470	0.192/FL 470	
	Nautical Miles	4,075	4,328	4,695	5,520	5,760	
	Average Speed	431	452	420	463	454	
Missions (4 passengers)	Trip Fuel	14,835	26,087	18,955	35,761	29,560	
	Specific Range/Altitude	0.275/FL 470	0.166/FL 450	0.248/FL 430	0.154/FL 470	0.195/FL 470	
	Nautical Miles	4,145	4,382	4,765	5,572	5,840	
	Average Speed	431	453	420	463	454	
	Trip Fuel	14,835	26,116	18,955	35,786	29,560	
	Specific Range/Altitude	0.279/FL 450	0.168/FL 450	0.251/FL 430	0.156/FL 470	0.198/FL 470	
Remarks	300 nm	Runway	2,900	3,225	2,880	2,483	2,500
		Flight Time	0+48	0+46	0+47	0+46	0+46
	600 nm	Fuel Used	1,525	2,599	1,595	2,755	2,075
		Specific Range/Altitude	0.197/FL 450	0.115/FL 450	0.188/FL 450	0.109/FL 490	0.145/FL 450
		Runway	2,905	3,258	2,870	2,572	2,515
		Flight Time	1+28	1+25	1+27	1+23	1+25
	1,000 nm	Fuel Used	2,465	4,113	2,630	4,442	3,285
		Specific Range/Altitude	0.243/FL 470	0.146/FL 450	0.228/FL 470	0.135/FL 490	0.183/FL 470
		Runway	3,050	3,304	2,880	2,693	2,640
		Flight Time	2+21	2+18	2+20	2+13	2+17
Certification Basis	Fuel Used	3,755	6,176	4,075	6,747	4,945	
	Specific Range/Altitude	0.266/FL 470	0.162/FL 450	0.245/FL 470	0.148/FL 470	0.202/FL 470	
FAR/EASA 25, 2003/09 EASy II flight deck; autobrakes; 2014 delivery price.		FAR 25, 2004		FAR 25/EASA 25, 1979/2010 EASy flight deck; 2014 delivery price.		FAR/EASA 25, 2007 EASy II flight deck; DFCS; 2014 delivery price.	
Global Vision flight deck.							

JETS 20,000-LB. MTOW OR GREATER

Manufacturer		Embraer	Airbus	Boeing	Airbus	Boeing		
Model		Lineage 1000 ERJ 190-100 ECJ	ACJ318 A318-112	BBJ2 737-800	A320 Prestige A320-214	BBJ3 737-900ER		
Characteristics	BCA Equipped Price	\$53,000,000	\$72,000,000	\$88,800,000	\$95,000,000	\$96,500,000		
	Seating	3+13/19	4+18/132	4+19/189	4+18/179	4+19/215		
	Wing Loading	120.7	113.6	129.9	130.3	139.9		
	Power Loading	3.25	3.22	3.19	3.18	3.44		
External Dimensions (ft.)	Length	86.4/92.7/92.5	83.0/91.9/93.9	86.0/94.4/96.4	85.5/93.4/95.5	88.4/93.8/96.4		
	Height	118.9	103.2	129.5	123.3	138.2		
	Span	34.7	41.1	41.2	38.6	41.2		
	Length: OA/Net	94.2	111.8	117.4	111.8	117.4		
Internal Dimensions (ft.)	Height	84.3/84.3	70.2/70.2	98.3/98.3	90.3/90.3	107.2/107.2		
	Width: Max/Floor	6.6	7.4	7.1	7.4	7.1		
	Internal: Cu. ft./lb.	8.8/8.0	12.1/11.7	11.6/10.7	12.1/11.7	11.6/10.7		
Baggage	External: Cu. ft./lb.	323/2,293	395/NA	NA/NA	NA/NA	NA/NA		
	Engines	120/705	430/NA	721/NA	985/NA	882/NA		
Power	Engines	2 GE CF34-10E7-B	2 CFMI CFM56-5B9/3*	2 CFMI CFM56-7B27E	2 CFMI CFM56-5B4/3*	2 CFMI CFM56-7B27E		
	Output (lb. each)/Flat Rating	18,500/ISA+15C	23,300/ISA+30C	27,300/ISA+15C	27,000/ISA+29C	27,300/ISA+15C		
Weights (lb.)	Inspection Interval	OC	OC	OC	OC	OC		
	Max Ramp	120,591	150,800	174,700	172,850	188,200		
	Max Takeoff	120,152	149,900	174,200	171,950	187,700		
	Max Landing	100,972	126,765	146,300	145,500	157,300		
	Zero Fuel	80,469	120,150c	138,300c	137,800c	149,300c		
	BOW	70,844	96,694	103,800	109,000	111,650		
	Max Payload	9,625	23,456	34,500	28,800	37,650		
	Useful Load	49,747	54,106	70,900	63,850	76,550		
	Executive Payload	2,600	3,600	3,800	3,600	3,800		
	Max Fuel	48,217	48,660	69,961	53,450	73,472		
	Available Payload w/Max Fuel	1,530	5,446	939	10,400	3,078		
	Available Fuel w/Max Payload	40,122	30,650	36,400	35,050	38,900		
Limits	Available Fuel w/Executive Payload	47,147	48,660	67,100	53,450	72,750		
	Mmo	0.820	0.820	0.820	0.820	0.820		
	Trans. Alt. FL/Vmo	FL 289/320	FL 250/350	FL 260/340	FL 250/350	FL 260/340		
	PSI	8.8	8.2	9.0	8.3	9.0		
Airport Performance	TOFL (SL elev./ISA temp.)	6,076	5,870	6,670	6,920	8,350		
	TOFL (5,000' elev.@25C)	9,500	7,660	12,850	9,355	14,500		
	Hot/High Weight Limit	112,038	149,900	174,200	171,950	175,500p		
	NBAA IFR Range	3,873	4,250	5,648	4,300	4,751		
	V ₂ @SL ISA, MTOW	140	NA	152	NA	NA		
	V _{REF} w/4 Pax, NBAA IFR Res.	110	NA	121	NA	122		
	Landing Distance w/4 Pax, NBAA IFR Res.	2,041	2,150	2,370	2,400	2,510		
Climb	Time to Climb/Altitude	28/FL 350	20/FL 370	27/FL 370	23/FL 360	26/FL 350		
	FAR 25 Engine-Out Rate (fpm)	NA	NA	NA	NA	NA		
	FAR 25 Engine-Out Gradient (ft./nm)	NA	NA	NA	NA	NA		
Ceilings (ft.)	Certificated	41,000	41,000	41,000	39,000	41,000		
	All-Engine Service	35,000	NA	37,700	NA	35,000		
	Engine-Out Service	19,178	NA	20,000	NA	NA		
	Sea-Level Cabin	23,190	MA	24,000	NA	24,000		
Cruise	Long Range	TAS	455	444	454	451	455	
		Fuel Flow	4,190	4,230	5,043	4,730	5,427	
		Altitude	FL 380	FL 390	FL 390	FL 370	FL 360	
	High Speed	Specific Range	0.109	0.105	0.090	0.095	0.084	
		TAS	472	470	470	473	473	
		Fuel Flow	5,035	5,360	5,721	5,860	6,272	
NBAA IFR Ranges (200-nm alternate)	Max Payload (w/available fuel)	Altitude	FL 350	FL 370	FL 360	350	FL 350	
		Specific Range	0.094	0.088	0.082	0.081	0.075	
		Nautical Miles	3,458	2,048	2,279	2,100	2,223	
	Max Fuel (w/available payload)	Average Speed	442	426	433	428	436	
		Trip Fuel	35,497	24,129	29,968	27,936	32,052	
		Specific Range/Altitude	0.097/FL 380	0.085/FL 370	0.076/FL 370	0.075/FL 350	0.069/FL 350	
	Four Passengers (w/available fuel)	Nautical Miles	4,499	4,000	5,726	3,852	5,452	
		Average Speed	444	437	445	438	447	
		Trip Fuel	43,901	42,710	64,835	46,930	67,949	
	Ferry	Specific Range/Altitude	0.102/FL 410	0.094/FL 410	0.088/FL 410	0.082/FL 390	0.080/FL 390	
		Nautical Miles	4,554	4,300	5,622	4,330	5,496	
		Average Speed	444	436	444	438	446	
Missions (4 passengers)	300 nm	Trip Fuel	44,168	43,601	63,899	48,057	67,985	
		Specific Range/Altitude	0.103/FL 410	0.099/FL 410	0.088/FL 410	0.090/FL 390	0.081/FL 390	
		Nautical Miles	4,592	4,300	5,754	4,380	5,555	
	600 nm	Average Speed	444	436	444	438	447	
		Trip Fuel	44,198	43,653	64,855	48,108	68,030	
		Specific Range/Altitude	0.104/FL 410	0.099/FL 410	0.089/FL 410	0.091/FL 390	0.082/FL 390	
	1,000 nm	Nautical Miles	4,492	4,300	5,754	4,380	5,555	
		Average Speed	444	436	444	438	447	
		Trip Fuel	44,198	43,653	64,855	48,108	68,030	
	Remarks	Certification Basis	Runway	3,027	3,675	3,245	3,670	3,700
			Flight Time	0+48	0+53	0+56	0+55	0+55
			Fuel Used	3,459	4,077	4,547	4,265	4,841
Specific Range/Altitude			0.087/FL 390	0.074/FL 370	0.066/FL 310	0.070/FL 350	0.062/FL 290	
Runway			3,136	3,700	3,365	3,700	3,855	
Flight Time			1+25	1+33	1+32	1+34	1+32	
FAR 25, 2003		Fuel Used	5,908	6,694	7,268	7,080	7,775	
		Specific Range/Altitude	0.102/FL 410	0.090/FL 410	0.083/FL 410	0.085/FL 390	0.077/FL 390	
		Runway	3,281	3,760	3,535	3,760	4,045	
		Flight Time	2+20	2+27	2+26	2+28	2+26	
		Fuel Used	9,147	10,225	11,088	10,970	11,943	
		Specific Range/Altitude	0.109/FL 410	0.098/FL 410	0.090/FL 410	0.091/FL 390	0.084/FL 390	
FAR 25 A 77, 1967/98	All passenger and range missions flown with eight passengers.	FAR 25 A 77, 1967/98	FAR 25 A 77, 1967/98	FAR 25 A 77, 1967/98	FAR 25 A 1999	FAR 25 A 77, 1967/98/2007		
		*Also avail with PW6124; incl. 2 add'l center tanks; price incl. VIP cabin.	*Also avail with PW6124; incl. 2 add'l center tanks; price incl. VIP cabin.	All passenger and range missions flown with eight passengers.	*Also avail with 26,500-lbf IAEV2527M-AS; incl. 2 add'l center tanks and VIP cabin.	All passenger and range missions flown with eight passengers.	All passenger and range missions flown with eight passengers.	

ULTRA-LONG-RANGE JETS

Manufacturer		Gulfstream Aero.	Bombardier	Gulfstream Aero.	Boeing	Airbus
Model		Gulfstream 550 GV-SP	Global 6000 BD-700-1A10	Gulfstream 650 GVI	BBJ 737-700IGW	ACJ319 A319-133
Characteristics	BCA Equipped Price	\$58,500,000	\$60,485,000	\$64,500,000	\$71,400,000	\$87,000,000
	Seating	4+16/19	4+13/19	4+16/19	4+19/149	4+19/156
	Wing Loading	80.1	97.4	77.6	127.5	127.8
	Power Loading	2.96	3.37	2.95	3.13	3.12
External Dimensions (ft.)	Length	96.4	99.4	99.8	110.3	111.0
	Height	25.8	25.5	25.7	41.2	38.6
	Span	93.5	94.0	99.6	117.4	111.8
Internal Dimensions (ft.)	Length: OA/Net	50.1/42.6	48.4/43.2	53.6/46.8	79.2/79.2	78.0/78.0
	Height	6.2	6.3	6.4	7.1	7.4
Baggage	Width: Max/Floor	7.3/5.5	8.2/6.9	8.5/7.0	11.6/10.7	12.2/11.6
	Internal: Cu. ft./lb.	226/2,500	195/1,000	235/2,500	NA/NA	160/NA
Power	External: Cu. ft./lb.	—/—	—/—	—/—	169/NA	NA/NA
	Engines	2 RR BR700-710C4-11	2 RR BR700-710A2-20	2 RR BR700-725A1-12	2 CFMI CFM56-7B27E	2 CFMI CFM56-5B7/3*
Weights (lb.)	Output (lb. each)/Flat Rating	15,385/ISA+15C	14,750/ISA+20C	16,900/ISA+15C	27,300/ISA+15C	27,000/ISA+29C
	Inspection Interval	8,000t or OC	OC	10,000t	OC	OC
	Max Ramp	91,400	99,750	100,000	171,500	169,530
	Max Takeoff	91,000	99,500	99,600	171,000	168,650
	Max Landing	75,300	78,600	83,500	134,000	137,790
	Zero Fuel	54,500c	58,000c	60,500c	126,000c	128,970c
	BOW	48,700	52,230	54,342	97,740	96,450**
	Max Payload	5,800	5,770	6,158	28,260	32,520
	Useful Load	42,700	47,520	45,658	73,760	73,080
	Executive Payload	3,200	2,600	3,200	3,800	3,800
Limits	Max Fuel	40,994	44,716	44,200	71,737	72,560
	Available Payload w/Max Fuel	1,706	2,804	1,458	2,023	520
	Available Fuel w/Max Payload	36,900	41,750	39,500	45,500	40,560
	Available Fuel w/Executive Payload	39,500	44,716	42,458	69,960	69,280
	Mmo	0.885	0.890	0.925	0.820	0.820
Airport Performance	Trans. Alt. FL/Vmo	FL 270/340	FL 303/340	FL 290/340	FL 260/340	FL 250/350
	PSI	10.2	10.3	10.7	9.0	8.3
	TOFL (SL elev./ISA temp.)	5,910	6,476	5,858	6,085	6,170
	TOFL (5,000' elev.@25C)	9,070	7,880	9,000	10,200	8,360
	Hot/High Weight Limit	91,000	94,513p	99,600	170,827	168,650
Climb	NBAA IFR Range	6,738	5,633	7,000	6,260	6,000
	V ₂ @ SL, ISA, MTOW	147	142	146	141	137
	V _{REF} w/4 Pax, NBAA IFR Res.	112	110	114	116	111
	Landing Distance w/4 Pax, NBAA IFR Res.	2,240	2,236	2,667	2,360	2,220
	Time to Climb/Altitude	18/FL 370	20/FL 370	20/FL 370	25/FL 370	22/360
Ceiling (ft.)	FAR 25 Engine-Out Rate (fpm)	594	474	NA	NA	NA
	FAR 25 Engine-Out Gradient (ft./nm)	242	200	NA	NA	NA
	Certificated	51,000	51,000	51,000	41,000	41,000
	All-Engine Service	42,700	42,400	42,700	38,000	36,000
	Engine-Out Service	25,820	18,000	25,000	20,500	18,000
Cruise	Sea-Level Cabin	29,200	30,125	31,900	24,000	22,000
	TAS	459	470	488	452	447
	Fuel Flow	2,563	3,043	2,686	4,707	4,695
	Altitude	FL 450	FL 450	FL 450	FL 390	FL 370
	Specific Range	0.179	0.154	0.182	0.096	0.095
NBAA IFR Ranges (200-nm alternate)	TAS	488	499	516	470	470
	Fuel Flow	3,228	3,789	3,368	5,567	5,830
	Altitude	FL 430	FL 410	FL 430	FL 370	FL 370
	Specific Range	0.151	0.132	0.153	0.084	0.081
	Nautical Miles	5,767	5,876	5,980	3,291	2,679
Missions (8 passengers)	Average Speed	452	463	474	437	434
	Trip Fuel	33,993	40,480	36,500	39,571	33,677
	Specific Range/Altitude	0.170/FL 490	0.145/FL 450	0.164/FL 490	0.083/FL 390	0.080/FL 370
	Nautical Miles	6,698	6,111	7,000	6,229	6,134
	Average Speed	454	464	476	442	442
	Trip Fuel	38,202	41,780	41,200	66,866	66,673
	Specific Range/Altitude	0.175/FL 490	0.146/FL 450	0.170/FL 510	0.093/FL 410	0.092/FL 410
	Nautical Miles	6,708	6,163	7,000	6,237	6,002
	Average Speed	453	464	476	442	442
	Trip Fuel	38,205	41,780	41,200	66,871	65,558
Remarks	Specific Range/Altitude	0.176/FL 490	0.148/FL 450	0.170/FL 510	0.093/FL 410	0.092/FL 410
	Nautical Miles	6,853	6,258	7,157	6,306	6,200
	Average Speed	454	464	477	442	442
	Trip Fuel	38,251	41,780	41,200	66,914	67,207
	Specific Range/Altitude	0.179/FL 510	0.150/FL 470	0.174/FL 510	0.094/FL 410	0.092/FL 410
Missions (8 passengers)	Runway	3,436	2,832	3,283	3,480	4,075
	Flight Time	2+20	2+13	2+12	2+27	2+26
	Fuel Used	5,599	6,838	5,891	10,422	10,370
	Specific Range/Altitude	0.179/FL 490	0.146/FL 490	0.170/FL 510	0.096/FL 410	0.096/FL 410
	Runway	3,599	3,818	3,586	4,275	4,280
	Flight Time	6+42	6+20	6+18	6+55	6+54
	Fuel Used	15,474	19,461	16,191	29,650	30,070
	Specific Range/Altitude	0.194/FL 490	0.154/FL 490	0.185/FL 510	0.101/FL 410	0.100/FL 410
	Runway	5,277	6,144	5,214	5,870	6,160
Flight Time	13+15	12+31	12+29	13+34	13+35	
Fuel Used	33,428	41,780	34,313	63,852	65,528	
Specific Range/Altitude	0.179/FL 490	0.144/FL 450	0.175/FL 510	0.094/FL 410	0.092/FL 410	
Remarks	Certification Basis	FAR 25, 1997/2003/02	FAR 25, 1998/2003 and JAR 25 Includes BEVS and new Global Vision flight deck.	FAR, EASA CS 25, 2012	FAR 25 A 77, 1967/98	FAR 25, 1999 *Avail. with 26,500-lbf IAEV2527M-A5; incl. 6 add'l center tanks, VIP cabin; **Spec wt.