

# ECLIPSE JET COMPARISON CHART



	Comparison Item	Eclipse 550	Citation Mustang	Embraer Phenom 100	Citation M2	Daher TBM 900/930	Piper Meridian	Cirrus Vision	Honda Jet
<b>COST</b>	Price	\$ 2.995 MM	\$ 3.465 MM	\$ 4.161 MM	\$ 4.655 MM	\$ 3.798 MM	\$ 2.276 MM	\$ 1.96 MM	\$ 4.5 MM
	Max Cruise Speed, FL300, 4,000 lb	375 kt	339 kt	389 kt	401 kt	330 kt	260 kt	300 kt	422 kt
	NBAA IFR Range w/ 4 Occupants	825 nm	967 nm	1,050 nm	1,177 nm	1,150 nm	699 nm	714 nm	1,223 nm
	Max Altitude / Ceiling	41,000 ft	41,000 ft	41,000 ft	41,000 ft	31,000 ft	30,000 ft	28,000 ft	43,000 ft
	Cruise Fuel Flow	68 gal / hr	75-91 gal / hr	78-127 gal / hr	77-137 gal / hr	36-61 gal / hr	20 - 36 gal / hr	N / A	N / A
<b>PERFORMANCE</b>	Available Payload w/ Max Fuel	414 lbs	555 lbs	602 lbs	491 lbs	891 lbs	350 lbs	N / A	644
	Takeoff Distance	2,433 ft	3,110 ft	3,123 ft	3,210 ft	2,380 ft	1,650 ft	2,036	<4000 ft
	Landing Distance	2,790 ft	2,139 ft	2,466 ft	2,340 ft	2,430 ft	1,020 ft	1,721	<3,050 ft
	Time to Climb to 37,000 ft	25 min	20 min	24 min	18 min	Unable	Unable	Unable	N / A
	All Engine Rate of Climb (@ Sea Level) mrow	2,641 fpm	3,010 fpm	3,033 fpm	3,698 fpm	1,550 fpm	1,556 fpm	3,000 fpm	3,990 fpm
	One Engine Inop. Rate of Climb*	407 fpm	432 fpm	560 fpm	618 fpm	Emergency Landing	Emergency Landing	Emergency Landing	N / A
	One Engine Inop. Service Ceiling	35,000 ft	26,900 ft	24,045 ft	26,800 ft	Emergency Landing	Emergency Landing	Emergency Landing	N / A
	Flight Time	1 + 46	1 + 56	1 + 46	1 + 38	1 + 55	2 + 32	N / A	N / A
	Fuel Used	837 lbs	1,134 lbs	1,263 lbs	1,362 lbs	830 lbs	661 lbs	N / A	N / A
	Mission Fuel Cost **	\$ 832	\$ 1,066	\$ 1,188	\$ 1,281	\$ 780	\$ 622	N / A	N / A
<b>600 NM MISSION</b> <small>assumes 4 Passengers</small>	Specific Range ***	0.717	0.529	0.475	0.441	0.723	0.908	N / A	N / A
	Flight Time	3 + 04	3 + 19	3 + 05	2 + 43	3 + 10	Unable	N / A	N / A
	Fuel Used	1,137 lbs	1,717 lbs	1,874 lbs	2,018 lbs	1,320 lbs	Unable	N / A	N / A
	Mission Fuel Cost **	\$ 1,072	\$ 1,614	\$ 1,762	\$ 1,898	\$ 1,241	Unable	N / A	N / A
<b>1,000 NM MISSION</b> <small>assumes 4 Passengers</small>	Specific Range ***	0.880	0.582	0.534	0.496	0.758	Unable	N / A	N / A

\* OEI Part 25 Performance calculation based on: Sea Level, ISA, MTOW, Takeoff second-segment net climb  
 \*\* Fuel Cost at \$6.30 per gallon  
 \*\*\* Distance Flown / Total Fuel Burn = Nautical Miles / Pounds of Fuel

**Sources**  
 Conklin & de Decker Associations; Business & Commercial Aviation, August 2014;  
 Manufacturer's Aircraft specifications from their respective websites

N / A = Not Available



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