Fleet Advantage

The Eclipse Jet in Fleet Operations

The aircraft which revolutionized the world of business aviation continues to prove its value on a daily basis. The Eclipse Jet's unique blend of performance, reliability, and operating economy makes it a significant addition to fleet operations.

Currently operating in the United States and Europe in daily commercial service, the Eclipse is proving that the world's most efficient twin-engine jet will translate directly into positive results on your bottom line. In these days of shrinking charter budgets, rising fuel costs, and changing ideas regarding business aircraft utilization, the aircraft which operates the most efficiently while providing the desired level of class and comfort will be the clear winner. That aircraft is the Eclipse twin-engine jet.

The Eclipse Jet Advantage

It is rare when an aircraft fits a market segment as perfectly as the Eclipse. In a study commissioned by the NBAA and GAMA, it was determined that 70% of business aircraft operations involve flights of 750 nm or less with 3 or fewer passengers. The Eclipse, which has a range of 1,125 nautical miles, is an ideal fit for this type of mission. While performing these missions at cruising altitudes, the Eclipse Jet routinely achieves fuel consumption of 400 pph (59 gph). Operating at long-range cruise settings further reduces fuel consumption to as low as 320 pph (48 gph).

Flying far above the weather in pressurized comfort at speeds up to 375 ktas (430 mph), your customers will appreciate the speed, comfort and operating economics the Eclipse provides. The quiet cabin and comfortable surroundings along with the economical operation will keep your customers coming back time and again.

Waiting years for an aircraft which provides the performance and economics you require is no longer necessary. The Eclipse is fully FAA and EASA certified and is delivering from our facilities in New Mexico and Chicago. With delivery times measured in weeks, not months and years, your business will quickly realize the benefits the Eclipse Jet provides.

Total Eclipse Operating Costs

Achieving success in today's business environment requires careful planning, precise execution and utilization of the best and most cost effective tools available. By comparing the NBAA 600 and 1,000 nm mission data as well as the direct operating costs with other available aircraft, you'll come to understand that the Total Eclipse stands alone when it comes to operating efficiency. These days, that is the name of the game in fleet operations.

Mission Comparison

600 nm mission	Total Eclipse	Cessna Mustang	Embraer Phenom 100
FLIGHT TIME	1 + 48	1 + 56	1 + 50
FUEL USED	885 LBS	1,333 LBS	1,213 LBS
FUEL EXPENSE*	$798	$1,202	$1,094
PER-MILE COST	$1.99	$2.38	$2.40
1,000 nm mission			
FLIGHT TIME	3 + 15**	3 + 19	3 + 04
FUEL USED	1,140 LBS	1,717 LBS	1,870 LBS
FUEL EXPENSE*	$1,028	$1,548	$1,686
PER-MILE COST	$1.76	$2.24	$2.27

Hourly Direct Operating Costs

	Total Eclipse	Cessna Mustang	Embraer Phenom 100
FUEL EXPENSE*	$356.36	$559.91	$761.04
MAINTENANCE LABOR EXPENSE	$116.66	$108.63	$200.00
ENGINE / APU MAINTENANCE	$200.64	$252.36	$360.00
MISC TRIP EXPENSE	$139.00	$154.00	$154.00
TOTAL HOURLY DOC	**$812.36**	**$1,074.90**	**$1,475.04**

* Fuel Cost: $6.04 / gal ** 3 Pax

Source: AircraftCostCalculator.com

The right aircraft ... available today

Designed and constructed for utilization of more than 1,000 hours per year, the reliability and durability of the Eclipse Jet has been verified. With the addition of the advanced capabilities of the Avio IFMS avionics suite, the Eclipse Jet has become the embodiment of the single-pilot aircraft for commercial operations. Electronic display of Jeppesen terminal charts and procedures and XM Weather[1] are provided standard, along with continuous aircraft health monitoring and built-in self diagnostics. FAA approved for single-pilot commercial operations, the Eclipse will have an immediate and positive impact on your operational costs.

Customer Service and Training

We realize, however, that it's not enough to simply offer the most efficient twin-engine jet on the market today. Our Customer First Team is always standing by to assist you with your maintenance needs. We have established the Eclipse Service Network consisting of Platinum Level service centers in Albuquerque, N.M., Chicago, Ill., and Istanbul, Turkey. We've also partnered with a Gold Level service center in Boca Raton, Fla. to further provide warranty, AOG, and ongoing support for the Eclipse fleet. And, of course, any local, qualified mechanic can perform routine maintenance as well.

Eclipse Aerospace has also partnered with SimCom in Orlando, Fla. to provide initial and recurrent training in our FAA approved Level D simulators. If you or your pilots are already typed in the Eclipse, SimCom can provide Differences and Mentor training, allowing your company to take full advantage of the Eclipse's advanced capabilities.

If you're interested in discovering how the Eclipse can address your needs, please contact us today. We'll be happy to share the operations data Part 135 operators have acquired in actual use. We feel once you've reviewed the operational costs, you'll soon realize the need to incorporate the Eclipse in your fleet.

Contact us today to discover how you can be operating the most efficient twin-engine jet on the planet!

1. XM weather operational in the United States only.

FLY SAFE, FLY FAST

FLY AN ECLIPSE JET

Eclipse Jet Performance and Specifications

PERFORMANCE

TAKEOFF DISTANCE TO 50 FT SEA LEVEL, ISA TO 50 FT (15 M) @ MGTOW	2,433 FT	730 M
LANDING DISTANCE, 4 PAX, NBAA IFR RESERVE	2,790 FT	714 M
RATE OF CLIMB - 2 ENGINES[1]	3,424 FT / MIN	1,044 M / MIN
RATE OF CLIMB - 1 ENGINE[2]	989 FT / MIN	301 M / MIN
TIME TO CLIMB - 35,000 FT (10,688 M)	22 MIN	22 MIN
TAKEOFF AT 5,000 FT (1,524 M) AT ISA + 15°C	3,843 FT	1,171 M
SINGLE ENGINE TAKEOFF CLIMB AT 5,000 FT (1,524 M)[3] AT ISA + 15°C	697 FT / MIN	212 M / MIN
MAX CRUISE SPEED (TAS)	375 KT	685 KM / HR
V_{SO}	73 KT	135 KM / HR
V_{MCA}[4]	NOT APPLICABLE	
V_{MCG}	60 KT	111 KM / HR
V_{MO} / M_{MO}	285 KEAS	0.64 MACH
MAXIMUM ALTITUDE	41,000 FT	12,497 M
SINGLE ENGINE SERVICE CEILING	35,000 FT	10,668 M
RANGE - MAX NBAA IFR 100 NM ALTERNATE, 4 OCCUPANTS, 200-LB (90-KG) PILOT, THREE 170-LB (77-KG) PASSENGERS	1,125 NM	2,084 KM
RANGE - MAX IFR 45-MINUTE RESERVE, 4 OCCUPANTS, 200-LB (90-KG) PILOT, THREE 170-LB (77-KG) PASSENGERS	1,300 NM	2,408 KM

1 Flaps up, gear up, sea level, isa, max takeoff power
2 Flaps up, gear up, sea level, isa, max takeoff power + automatic power reserve
3 Flaps up, gear up, max takeoff power + automatic reserve
4 The V_{MC} speeds of the Eclipse 500 do not exist because they are less than V_{SO}

Data subject to change.

EXTERIOR DIMENSIONS

LENGTH	33.5 FT	10.2 M
WINGSPAN	37.9 FT	11.6 M
HEIGHT	11.0 FT	3.4 M

INTERIOR DIMENSIONS

LENGTH	148 IN	376 CM
HEIGHT (MAX)	50 IN	127 CM
WIDTH (MAX)	56 IN	142 CM

WEIGHTS

MAXIMUM RAMP	6,034 LB	2,737 KG
MAXIMUM TAKEOFF	6,000 LB	2,722 KG
MAXIMUM LANDING	5,600 LB	2,540 KG
EMPTY	3,634 LB	1,648 KG
FUEL CAPACITY	1,698 LB / 251 GAL	770 KG / 950 L
USEFUL LOAD	2,400 LB	1,089 KG

ENGINES

2 PRATT & WHITNEY CANADA	PW610F TURBOFANS	
TAKEOFF THRUST AT SEA LEVEL ISA + 15°C	900 LBF (EACH)	4.00 KN (EACH)

ACCOMODATIONS

SEATS	6 MAX

PRESSURIZATIONS

SEA LEVEL CABIN TO	21,500 FT	6,533 M
CABIN ALTITUDE AT 41,000 FT	8,000 FT	2,438 M