

INTRODUCING MITSUBISHI SPACEJET



REIMAGINING A BETTER
PASSENGER EXPERIENCE

REINVENTING THE BUSINESS
OF REGIONAL AIR TRAVEL

Regional aviation is vital.

Millions around the world count on it. It gets people where they need to go. It fuels commerce and connections.

Today, the experience is defined by disappointment. Not just among passengers but also among the airlines that serve them. Simply put, their needs are not being met.

Why? Because established regional plane makers have lost focus on this segment. Lack of innovation results in lower margins for operators and a compromised passenger experience.

The status quo in regional aviation is unacceptable. We are committed to changing it for the better.

Mitsubishi Aircraft Corporation exists to bring legendary Japanese design, craftsmanship, and service to the global market. While other manufacturers neglect this market, we see a market full of opportunity and worthy of commitment.

Today, the only choice for airlines is compromise – you can either have a cost-efficient aircraft or offer a better passenger experience, but not both.

Introducing Mitsubishi SpaceJet, an aircraft that will transform the regional aviation market by ending airline compromise.

**ULTIMATE COMFORT
UNMATCHED PERFORMANCE
NO COMPROMISES**

MEET SPACEJET

Mitsubishi SpaceJet is a paradigm shift for the regional market.

A comprehensive solution that establishes a new standard for passenger experience and aircraft performance.



SPACE**JET**

MITSUBISHI SPACEJET

ENHANCED PASSENGER
SATISFACTION AND
MORE PROFIT POTENTIAL





**ULTIMATE
COMFORT**

- ▶ More Personal Space
- ▶ Most Bin Capacity
- ▶ Latest Generation Passenger Amenities

**UNMATCHED
PERFORMANCE**

- ▶ Most Fuel Efficient
- ▶ Best Operational Capability
- ▶ Lowest Noise Profile and Emissions

**MORE PROFIT
POTENTIAL**

- ▶ Higher Yields
- ▶ Lowest Operating Costs
- ▶ Family Commonality

ENHANCED PASSENGER EXPERIENCE



MOST SPACIOUS CABIN

- MORE PERSONAL SPACE, GREATER COMFORT** ▶ Widest Economy Class Seat – 18.5" / 47 cm
- ▶ No Middle Seat
- ▶ Tallest Cabin
- ▶ Widest Cabin
- ▶ Most Bin Capacity
- ▶ Slim-Seat Space and Comfort



MAXIMUM SIZE ROLLER BAGS
 23 x 14.5 x 10 in
 58 x 37 x 25 cm

188 cm
 6 ft 2 in

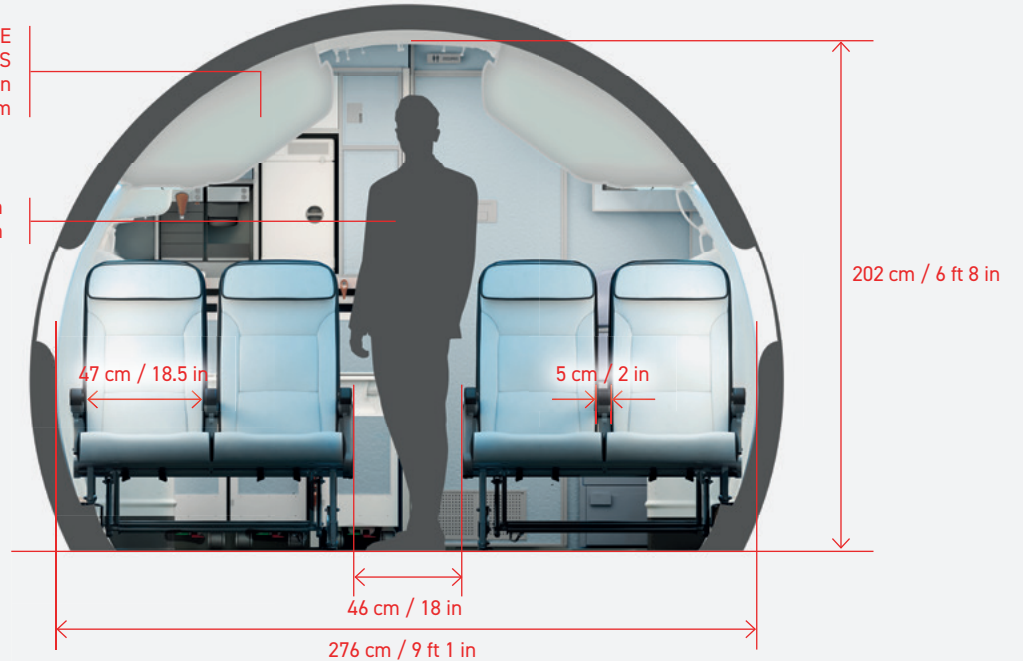
47 cm / 18.5 in

5 cm / 2 in

46 cm / 18 in

276 cm / 9 ft 1 in

202 cm / 6 ft 8 in





EXTRA LARGE
WHEELS-FIRST
BIN DESIGN
MEANS NO
GATE CHECK

OVERHEAD BINS

- A WIDTH: 30 in / 76 cm
- B OPENING: 13 in / 33 cm
- C DEPTH: 23 in / 58 cm



ROLLER BAGS

- SIZE: 23 x 14.5 x 10 in
58 x 37 x 25 cm

ONE
ROLLER BAG PER
PASSENGER



ENHANCED
PASSENGER
EXPERIENCE TO
GENERATE
MORE
REVENUE

LATEST CABIN TECHNOLOGY INNOVATIONS, DESIGNED TO ADAPT

Latest Technologies Enable:

- ▶ A better passenger flight experience.
- ▶ More opportunity for ancillary revenue generation.
- ▶ Personalized passenger / crew interactions.



Newest Type C USB Outlet



Fastest Wireless IFE System



Latest Generation Seatback IFE



Ambiance-Enhancing Mood Lighting



Outside Views on IFE Screens



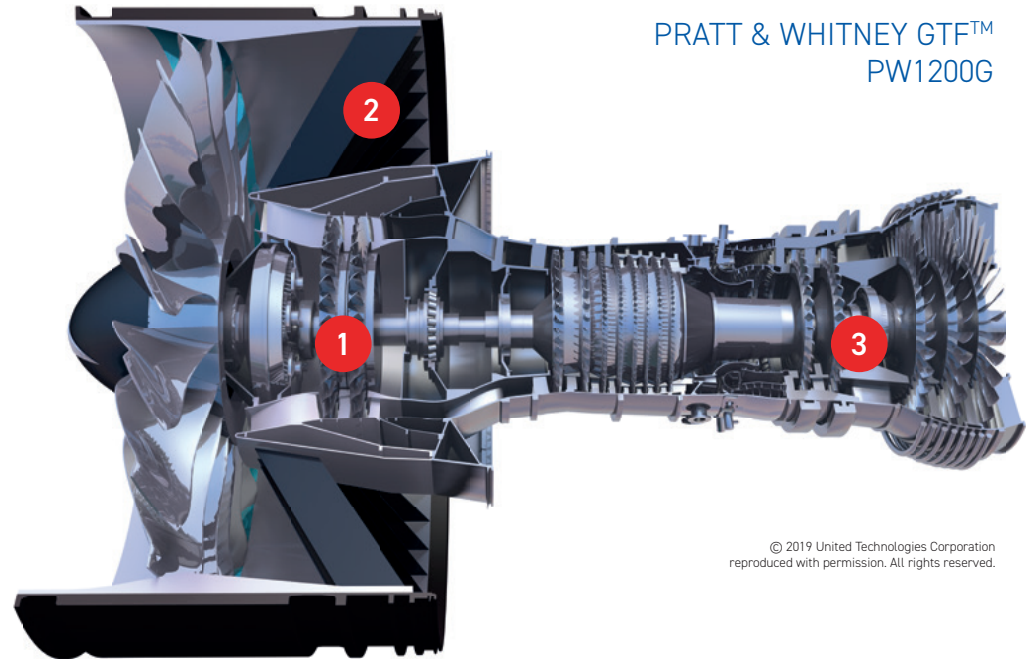
High-Speed Broadband Connectivity



Live TV

GAME-CHANGING FUEL EFFICIENCY

- 1 State-of-the-Art Gear System**
Optimum Fan, Compressor, and Turbine Speeds
- 2 Higher Bypass Ratio: 8.4:1**
Provides Required Thrust with Less Fuel
- 3 Fewer Engine Stages and Parts**
Reduced Maintenance Costs



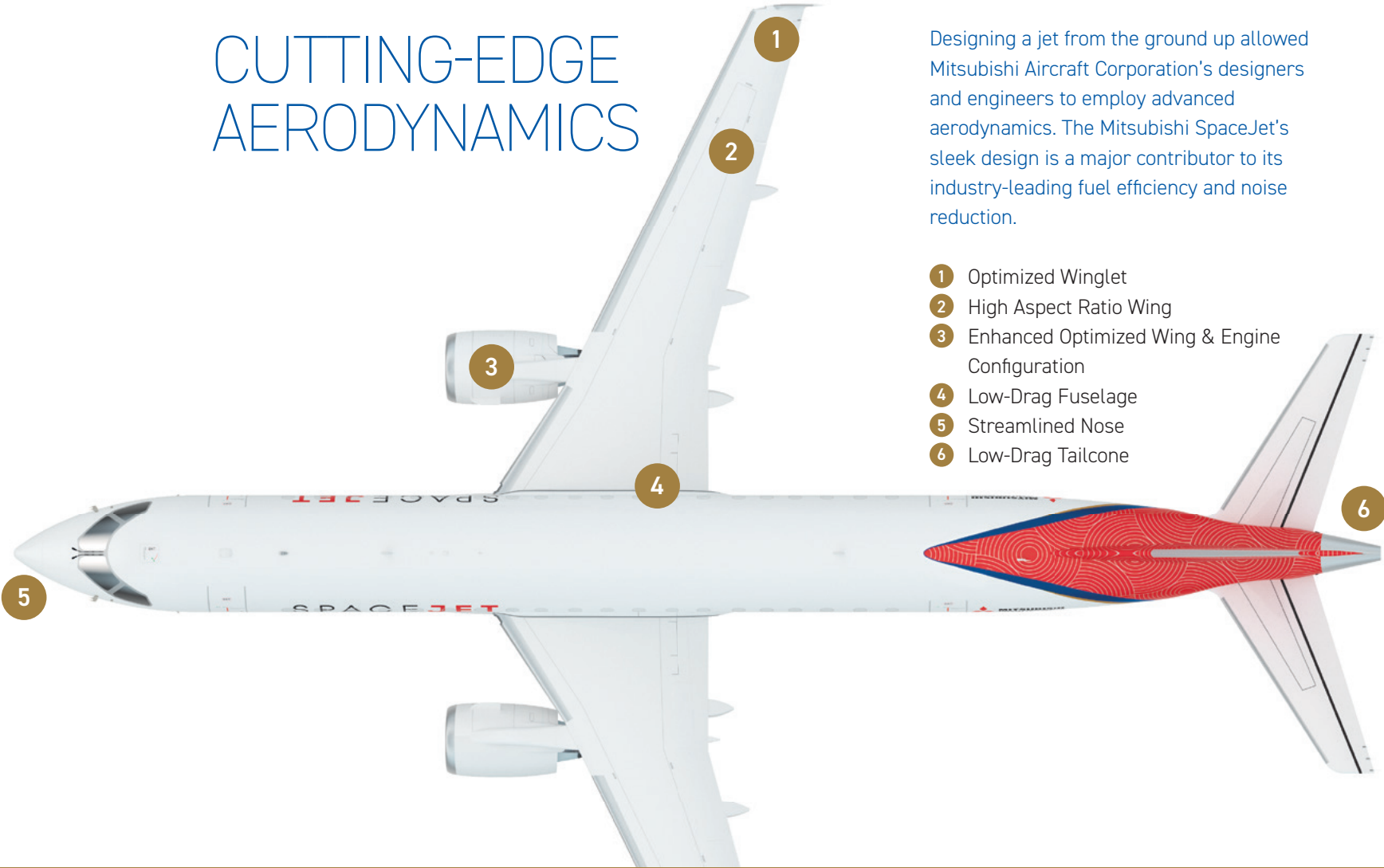
PRATT & WHITNEY GTF™
PW1200G

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CUTTING-EDGE AERODYNAMICS

Designing a jet from the ground up allowed Mitsubishi Aircraft Corporation's designers and engineers to employ advanced aerodynamics. The Mitsubishi SpaceJet's sleek design is a major contributor to its industry-leading fuel efficiency and noise reduction.

- 1 Optimized Winglet
- 2 High Aspect Ratio Wing
- 3 Enhanced Optimized Wing & Engine Configuration
- 4 Low-Drag Fuselage
- 5 Streamlined Nose
- 6 Low-Drag Tailcone



INCREASED USE OF LIGHTER, AND STRONGER MATERIALS

SpaceJet delivers superior fuel efficiency and lower maintenance costs through the optimization of its design and an increased use of stronger, lighter materials like carbon fiber composite and new aluminum lithium.

As a result, SpaceJet offers the best economics in its class.





MOST ADVANCED FLIGHT DECK

A New View on the Horizon

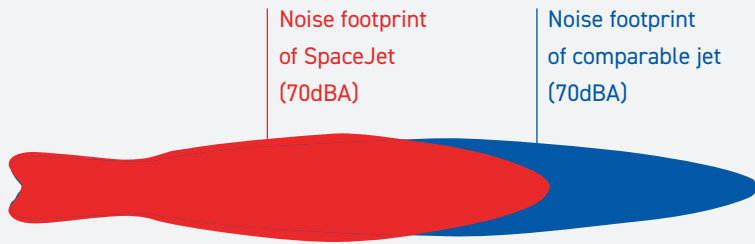
The most advanced, fly-by-wire, flight deck available today is right at home aboard the SpaceJet. Featuring the Pro Line Fusion® system, the latest in avionics technology, the SpaceJet flight deck maximizes situational awareness with four 15-inch landscape LCDs that deliver unprecedented clarity and information. Other latest technologies include advanced navigation, visualization and connectivity systems.

DRIVEN TO MINIMIZE ENVIRONMENTAL IMPACT



The SpaceJet offers unmatched environmental performance. With the best fuel efficiency, noise and emissions of any comparable jet, the SpaceJet exceeds all the latest ICAO environmental standards.

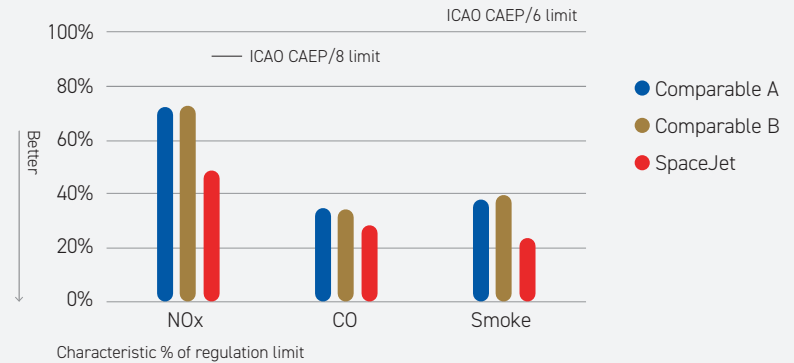
SIGNIFICANT NOISE AREA REDUCTION OVER COMPARABLE JET



Lowest Noise Around Airports

New engines and advanced aerodynamics help the SpaceJet achieve a significant reduction in noise area compared to similar regional jets. Its Effective Perceived Noise in Decibels (EPNdB) is already much lower than the future ICAO CAEP Chapter 14 noise standard.

SPACEJET EXCEEDS THE LATEST ICAO CAEP STANDARDS



Across-the-Board Reductions

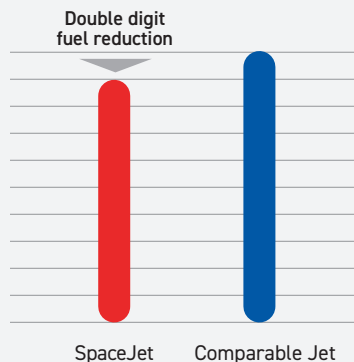
With significant reductions in environmental emissions, the SpaceJet is the greenest jet in its class and years ahead of ICAO CAEP/8 standard.

THE LOWEST COST TO OPERATE OF ANY AIRCRAFT IN ITS CLASS

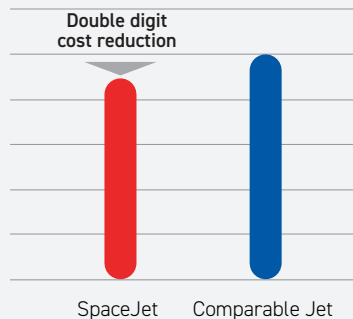
Highest Fuel Efficiency

The Mitsubishi SpaceJet's new engines, its advanced aerodynamics and high aspect ratio wing all equate to a jet that uses significantly less fuel than comparable commercial jets.

FUEL CONSUMPTION PER TRIP



OPERATING COST PER TRIP



The Lowest Cost To Operate Of Any Aircraft In Its Class

With the Mitsubishi SpaceJet, game-changing efficiency now comes standard. Thanks to Pratt & Whitney GTF™ PW1200G engine technology and advanced aerodynamics, it costs less to fly. Since it was designed with optimized maintenance and high commonality in mind, it costs less to keep flying, too. Your bottom line is looking up.



ENHANCE NETWORK PROFITABILITY

- ▶ More Revenue Seats in Performance Limited Environments
- ▶ Offers Consistent Brand Experience Across Your Network

GLOBAL AIRLINE PROFITABILITY TREND

Between 2013 and 2018, the average Revenue per seat (RPS) has decreased by 3% annually. During the same period, the average cost per seat (CPS) has only decreased by 1% annually. Unless there is a change in this trend, the industry will continue to face shrinking margins.

Source IATA Industry statistics Fact sheet. Dec 2018

BEST CABIN IN CLASS TO DRIVE HIGHER YIELDS

- ▶ Most Passenger Appeal to Keep Your Customers Coming Back
- ▶ More Technology-Enabled Ancillary Revenue Opportunities



FAMILY COMMONALITY

- ▶ Same Pilot Type Rating
- ▶ Same Engine
- ▶ Same Maintenance Program
- ▶ Same Spare Parts



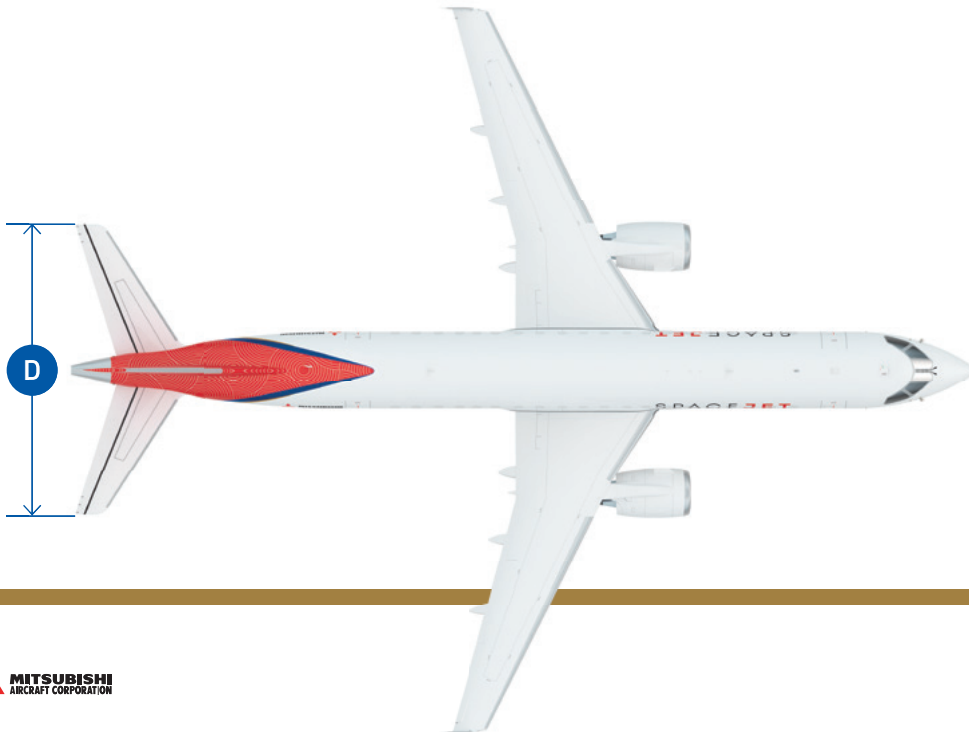
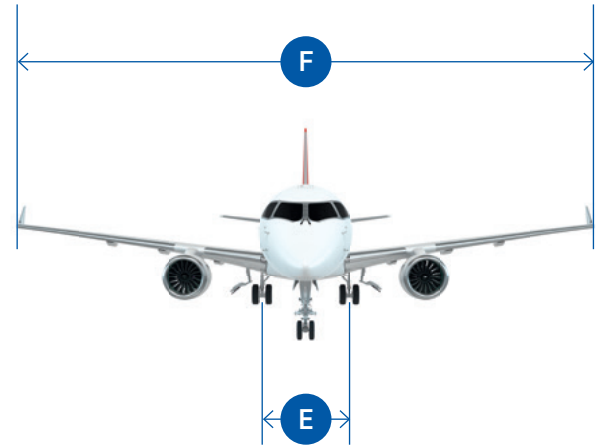
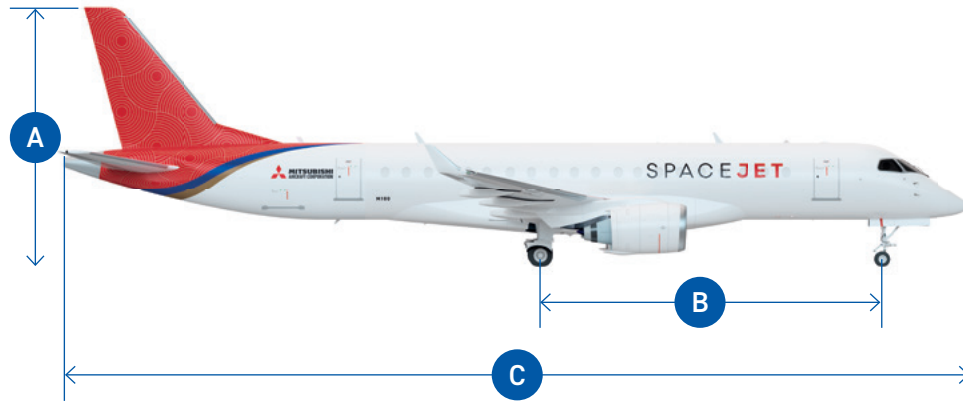
M90 / 76-92 SEATS



M100 / 70-88 SEATS



LARGER M200 UNDER STUDY / UP TO 100 SEATS



M100

AIRCRAFT DIMENSIONS

- A** 10.3 m / 33.9 ft
- B** 13.6 m / 44.5 ft
- C** 34.5 m / 113.2 ft
- D** 11.0 m / 36.2 ft
- E** 5.3 m / 17.5 ft
- F** 27.8 m / 91.3 ft

SPACEJET PRINCIPAL CHARACTERISTICS



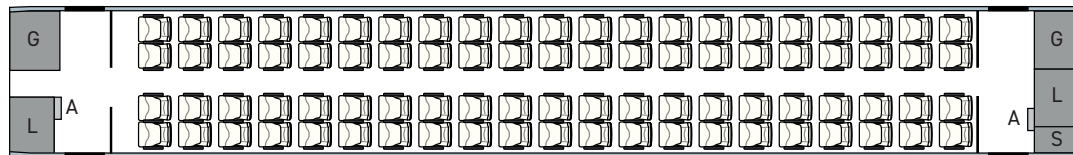
	M90		M100	
PASSENGERS	88 IN TYPICAL SINGLE-CLASS SEATING AT 31" PITCH		84 IN TYPICAL SINGLE-CLASS SEATING AT 31" PITCH (76 IN NORTH AMERICA TRIPLE CLASS)	
CARGO	18.2 M ³	644 FT ³	13.6 M ³	481 FT ³
ENGINE	PRATT & WHITNEY GTF™ PW1200G			
THRUST	78.2 KN X2	17,600 LBF X 2	78.2 KN X2	17,600 LBF X 2
BYPASS RATIO	8.4 : 1			
MAXIMUM TAKEOFF WEIGHT	42,800 KG	94,358 LB	42,000 KG (39,008 KG)	92,594 LB (86,000 LB)
MAXIMUM LANDING WEIGHT	38,000 KG	83,776 LB	36,200 KG	79,807 LB
FUEL CAPACITY*	12,100 L	3,200 USG	12,100 L	3,200 USG
RANGE** @ 102 KG (225 LB) PER PAX	3,770 KM	2,040 NM	3,540 KM (99.5% OF ROUTES AT FULL PAYLOAD)	1,910 NM
MAXIMUM OPERATING MACH NUMBER	MACH 0.78			
MAXIMUM OPERATING ALTITUDE	11,900 M	39,000 FT	11,900 M	39,000 FT
TAKEOFF FIELD LENGTH (MTOW, SL, ISA)	1,740 M	5,710 FT	1,760 M (1,550 M)	5,770 FT (5,090 FT)
LANDING FIELD LENGTH (MLW, DRY)	1,480 M	4,860 FT	1,550 M	5,090 FT

*NOT including unusable fuel **ISA, no wind, LRC, alternate 100 nm

M100

FLEXIBLE INTERIOR
ARRANGEMENT
TO MEET A VARIETY
OF AIRLINE NEEDS

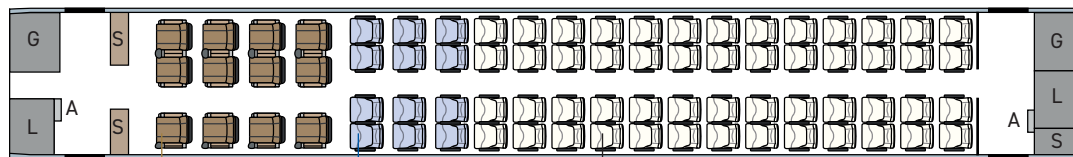
Typical Single Class 84 seats (31" pitch)



Maximum Capacity 88 seats (29" pitch)



Typical Triple Class 76 seats (36" / 33" / 30" pitch)



Premium
Class

Premium
Economy Class

Economy
Class

L: Lavatory / G: Galley / A: Flight Attendant Seat / S: Storage

MITSUBISHI SPACEJET RANGE CAPABILITY: WORLDWIDE REGIONAL NETWORK COVERAGE



ISA, 85% Annual Wind, LRC @ 37,000 ft, Alternate 100 nm, 5% Airways Allowance, Full Passenger Payload, Typical Single Class, 102 kg (225 lb) per Passenger

SPACEJET



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