The All-New MRJ Regional Aircraft Family

Discover how choice transforms your business
Meet the MRJ
The all-new regional aircraft
The MRJ is more than just a regional jet, it’s the core of a new dedicated regional aircraft family. Backed by the commitment of Mitsubishi Heavy Industries Group, the MRJ is designed to deliver clean sheet performance and redefine regional aviation - now and with the innovations of tomorrow. Choosing the MRJ allows operators to fly efficiently, open new routes, and build a profitable business that meets the evolving demands of passengers.

We’re creating a new standard in regional aviation
Discover how choice transforms your business
Clean Sheet Design
The most efficient, comfortable and reliable commercial jet to ever take flight

Efficiency
Game changing technologies that reduce operating costs

Advanced Aerodynamics
Industry-leading fuel efficiency

Passenger Experience
Widest economy seat and no middle seat
Clean Sheet Design
The most efficient, comfortable and reliable commercial jet to ever take flight

Legendary Japanese Quality and Reliability
Rigorous quality controls ensure no detail is overlooked

Most Advanced Flight Deck
Latest avionics technology

Lowest Environmental Impact
The greenest jet in its class

Legendary Japanese Quality and Reliability
Rigorous quality controls ensure no detail is overlooked
Advanced Aerodynamics

Fluidity in motion

Designing a jet from the ground up allowed Mitsubishi Aircraft’s designers and engineers to employ advanced aerodynamics. The MRJ’s sleek design is a major contributor to its industry-leading fuel efficiency and noise reduction.
**Lower Operating Cost**

*The lowest cost to operate of any aircraft in its class*

With the MRJ, game-changing efficiency now comes standard. Thanks to Pratt & Whitney’s PurePower® Geared Turbofan™ 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.

**Fuel Efficiency**

*Highest fuel efficiency*

The MRJ’s new engines, its advanced aerodynamics and high aspect ratio wing all equate to a jet that uses 20 percent less fuel than comparable commercial jets.

**Maintenance**

*Double-digit maintenance cost reduction*

From the outset, building a plane with a higher reliability of systems and components was the priority. The MRJ employs state-of-the-art technologies proven to get the job done. Its Geared Turbofan™ engine architecture requires 30 percent fewer turbine airfoils than conventional turbofan engines and reduces maintenance time and cost.
Environment

Driven to minimize environmental impact

The MRJ offers unmatched environmental performance. With the lowest fuel burn, noise and emissions of any comparable jet, the MRJ exceeds all the latest ICAO environmental standards.
Lowest Noise Around Airports

New engines and advanced aerodynamics help the MRJ achieve a 40 percent 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.

40% noise reduction compared to current regional jets

Across-the-board Reductions

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

Greeneast in class already meets the latest environmental ICAO CAEP/8 standard
Enhanced Passenger Experience
Most Spacious Cabin
Greater comfort and space

• Widest Economy Class Seat – 18.5 in
• No Middle Seat
• Tallest Cabin
• Widest Cabin
• Large Overhead Bins
• Slim-Seat Space and Comfort

Maximum size roller bags
56×45×25 cm
22×18×10 in
Most Advanced Flight Deck
**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 MRJ. Featuring the Pro Line Fusion® system, the latest in avionics technology from Rockwell Collins, the MRJ’s flight deck maximizes situational awareness with four 15-inch landscape LCDs that deliver unprecedented clarity and information.

1. Primary Flight Display
2. Multi Function Window
3. CPDLC
4. Standby Flight Instrument System
5. Multifunction Keyboard Panel and Trackball

**New Generation Features**

CPDLC (FANS 1/A+ and ATN)
MultiScan™ Weather Radar with Predictive Wind Shear
Vertical Situational Display
RNP AR Approach
SBAS/WAAS/EGNOS Capability
LPV
ADS-B Out

CPDLC: Controller Pilot Data Link Communications
FANS: Future Air Navigation System
ATN: Aeronautical Telecommunication Network
RNP AR: Required Navigation Network Authorization Required
SBAS: Satellite-based Augmentation System
WAAS: Wide Area Augmentation System
EGNOS: European Geostationary Navigation Overlay Service
LPV: Localizer Performance with Vertical guidance
ADS-B Out: Automatic Dependent Surveillance – Broadcast Out
Craftsmanship
Quality and craftsmanship are part of our DNA
At the core of Mitsubishi Aircraft Corporation is a tradition of craftsmanship and engineering excellence. Now our passion for innovation and commitment to sustainability are on display for the world to see in the all-new MRJ – conceived, designed and engineered to be the best.

Built in Japan
Precision and pride
Kaizen is a Japanese philosophy for continuous improvement – a key driver of Japan’s global prominence in manufacturing and our pursuit of constant innovation in aviation technology and performance.

Quality
Reliability for the long haul
Crafting a marvel of modern engineering like the MRJ demands teamwork and collaboration from the CEO to the assembly line. Rigorous quality controls ensure no detail is overlooked. The result is a commercial jet that’s built to last.
Customer Support

Best-in-class customer support from day one

We are developing a customer support function based on Mitsubishi Heavy Industries Group’s track record of customer care and industry best practices. We are continuously working with customers to ensure they receive the support they need and expect at entry into service. Maximum availability and lower maintenance costs are achieved with 24/7 technical support that includes optimized spare parts management programs, global flight and technical training programs, the latest standard for online technical data, airplane health management and more.

Our customer support program is made possible through our unique relationships with proven partners such as Boeing and CAE. We are committed to constantly improving MRJ customer support services to add value to your fleet and improve your operational performance.

* For Start Up Team and Field Service Representatives
** For Spare Parts Provisioning Plan
*** CDG, a Boeing Company (Continental DataGraphics)
Clean Sheet Design
We designed the MRJ to enable the future of regional aviation.
Backed by the commitment of Mitsubishi Heavy Industries Group, the MRJ family delivers choice to the market as the industry’s only clean sheet regional aircraft, with the lowest operating cost in its class.
**MRJ70** Only all-new 70-seat RJ
76 Seats

**MRJ90** Feeder operation and market opener
88 Seats

**MRJ100X** (Planned) Best economics in 100-seat market
100 Seats

*Typical single class at 31° pitch*
## Specifications

### MRJ90 VARIANTS

<table>
<thead>
<tr>
<th></th>
<th>MRJ90STD</th>
<th>MRJ90ER</th>
<th>MRJ90LR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passengers</td>
<td>88 (Typical Single Class at 31° Pitch)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cargo Compartiment m³ (ft³)</td>
<td>18.2 (644)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Pratt &amp; Whitney PurePower® PW1217G Engine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engine Thrust kN (lbf)</td>
<td>78.2 (17,600) x 2</td>
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</tr>
<tr>
<td>Maximum Takeoff Weight kg (lb)</td>
<td>39,600 (87,303)</td>
<td>40,995 (90,378)</td>
<td>42,800 (94,358)</td>
</tr>
<tr>
<td>Maximum Landing Weight kg (lb)</td>
<td>38,000 (83,776)</td>
<td>38,000 (83,776)</td>
<td>38,000 (83,776)</td>
</tr>
<tr>
<td>Maximum Zero Fuel Weight kg (lb)</td>
<td>36,150 (79,697)</td>
<td>36,150 (79,697)</td>
<td>36,150 (79,697)</td>
</tr>
<tr>
<td>Range @ 88 pax x 102 kg (225 lb) km (nm)</td>
<td>2,120 (1,150)</td>
<td>2,870 (1,550)</td>
<td>3,770 (2,040)</td>
</tr>
<tr>
<td>Maximum Operating Mach Number</td>
<td>0.78</td>
<td>0.78</td>
<td>0.78</td>
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<tr>
<td>Maximum Operating Altitude m (ft)</td>
<td>11,900 (39,000)</td>
<td>11,900 (39,000)</td>
<td>11,900 (39,000)</td>
</tr>
<tr>
<td>Takeoff Field Length (MTOW, SL, ISA) m (ft)</td>
<td>1,490 (4,890)</td>
<td>1,600 (5,250)</td>
<td>1,740 (5,710)</td>
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<tr>
<td>Landing Field Length (MLW, Dry) m (ft)</td>
<td>1,480 (4,860)</td>
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### MRJ70 VARIANTS

<table>
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<th>MRJ70ER</th>
<th>MRJ70LR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passengers</td>
<td>76 (Typical Single Class at 31° Pitch)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cargo Compartiment m³ (ft³)</td>
<td>18.2 (644)</td>
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<td></td>
</tr>
<tr>
<td>Engine</td>
<td>Pratt &amp; Whitney PurePower® PW1215G Engine</td>
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<td></td>
</tr>
<tr>
<td>Engine Thrust kN (lbf)</td>
<td>69.3 (15,600) x 2</td>
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<tr>
<td>Maximum Takeoff Weight kg (lb)</td>
<td>36,850 (81,240)</td>
<td>36,995 (85,959)</td>
<td>40,200 (88,626)</td>
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<tr>
<td>Maximum Landing Weight kg (lb)</td>
<td>36,200 (79,807)</td>
<td>36,200 (79,807)</td>
<td>36,200 (79,807)</td>
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<tr>
<td>Maximum Zero Fuel Weight kg (lb)</td>
<td>34,000 (74,957)</td>
<td>34,000 (74,957)</td>
<td>34,000 (74,957)</td>
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<tr>
<td>Range @ 76 pax x 102 kg (225 lb) km (nm)</td>
<td>1,880 (1,020)</td>
<td>3,090 (1,670)</td>
<td>3,740 (2,020)</td>
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<tr>
<td>Maximum Operating Mach Number</td>
<td>0.78</td>
<td>0.78</td>
<td>0.78</td>
</tr>
<tr>
<td>Maximum Operating Altitude m (ft)</td>
<td>11,900 (39,000)</td>
<td>11,900 (39,000)</td>
<td>11,900 (39,000)</td>
</tr>
<tr>
<td>Takeoff Field Length (MTOW, SL, ISA) m (ft)</td>
<td>1,450 (4,760)</td>
<td>1,620 (5,320)</td>
<td>1,720 (5,650)</td>
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<tr>
<td>Landing Field Length (MLW, Dry) m (ft)</td>
<td>1,430 (4,700)</td>
<td>1,430 (4,700)</td>
<td>1,430 (4,700)</td>
</tr>
</tbody>
</table>
Interior Arrangement

No over-wing exits, flexible interior layout

**MRJ90**
Typical Single Class
88 Economy-class Seats / 31” Pitch

**MRJ70**
Typical Single Class
76 Economy-class Seats / 31” Pitch

**MRJ90**
Maximum Capacity
92 Economy-class Seats / 29” Pitch

**MRJ70**
Maximum Capacity
80 Economy-class Seats / 29” Pitch

**MRJ90**
Typical Dual Class
9 Business-class Seats / 36” Pitch 72 Economy-class Seats / 30” Pitch

**MRJ70**
Typical Dual Class
9 Business-class Seats / 36” Pitch 60 Economy-class Seats / 30” Pitch
The MRJ Range Capability
Worldwide regional network coverage

ISA, 85% Annual Wind, LRC @ 37,000 ft, Alternate 100 nm, 5% Airways Allowance
Payload: Full Passenger, Typical Single Class, 102 kg (225 lb) per Passenger
Mitsubishi Aircraft Corporation is a part of Mitsubishi Heavy Industries (MHI) Group, a global leader in engineering and manufacturing with a history going back over 130 years. MHI Group delivers innovative and integrated solutions across a wide range of industries from commercial aviation and transportation to power plants and gas turbines, and from machinery and infrastructure to integrated defense and space systems.
Company Profile

Mitsubishi Aircraft Corporation commenced operation in April 2008, after the MRJ program-launch announcement in March 2008. The MRJ is a clean sheet design regional jet developed by Mitsubishi Aircraft based on technology cultivated by Mitsubishi Heavy Industries, Ltd. (MHI) through its experience designing and engineering hundreds of products.

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