

ALLEGRO

Embodying the combined muscle and finesse that established the Mooney performance dynasty, the high-economy Allegro (formerly MSE) is the best value in any high-performance single. Its 200 bhp Textron Lycoming power

Carrying value and performance to incredible heights.

mental vacation aircraft. There is simply no more optimal or compelling combination of efficiency, performance, and value.



plant delivers a 168 ktas cruise speed and 1,000 nm range – the top performance in its class.

Incorporating the latest interior refinements of its thoroughbred kin, the Allegro is well suited for service as a regional business tool, or as the perfect transconti-

Allegro

ALLEGRO

OVATION

Combining the roomy comfort of the Bravo with the economy of the Allegro, the Ovation sets the standard by which all other normally aspirated high-performance singles are measured.

tribute to high levels of comfort and confidence.

Add the 1,200 fpm climb, and the generous gross weight of 3,368 lbs, and you see that Ovation raises the bar to new heights.



Teledyne

Continental's powerful 300 hp engine, derated to 280 hp for efficiency, provides mid-weight cruise speeds of up to 190 ktas, range of over 1,000 nm, and a service ceiling of FL200.

Ergonomically refined interiors, an optional air conditioning system, and known-icing capability con-

Ovation

ENCORE

Mooney continues a tradition of high performance as the new Encore takes to the skies, leaving competitors behind.

Teledyne Continental's 220 hp turbo-intercooled power plant delivers speeds of up to 200 kts, a climb rate of 1100 fpm, a high operational

gen, dual vacuum systems, speed brakes, and dual alternators. Simply

Powerfully moving, in more ways than one.

stated, a tradition of high performance deserves an Encore.



ceiling of FL250, and IFR range of 800 nm – all with a generous useful load of 1,000 lbs.

Encore

You'll take delight in the quality interior appointments and the standard features of an IFR-equipped Encore, such as high-capacity oxy-

ENCORE

BRAVO

Flagship of the Mooney fleet, the liberally muscled Bravo continues its reign as the fastest single-engine production aircraft in the world. With a mid-weight cruise of 220 kts at FL250, a 1,230 fpm climb, and max range of 1,070 nm, the Bravo reaches heights of perfor-

vacuum systems provide high levels of redundancy. Oxygen and speed brakes are standard, and optional know-

BRAVO

ing certification is available for complete mission flexibility. With its high performance and stylish comfort, Bravo is Mooney's ultimate manifestation of The Personal Airliner.



mance once reserved only for turbines.

Textron Lycoming's turbo-intercooling system provides a cooler power plant for reduced long-term wear.

Twin batteries, alternators, and

BRAVO

Mooney Quality

The Inside Story

Push/Pull Flight Controls:
Provide positive, reliable control inputs and feel.

Steel-Tube Rollbar Cabin Frame:
High-strength 4130 chrome/moly steel cage for exceptional structural integrity.

Airliner-Style Overhead Switches:
Efficient grouping of all external lighting.

Rigid All-Composite Interior Panels:
Optimize cabin space, comfort and ergonomics. Noise-absorbing.

Expandable Baggage Compartment:
Back seats remove easily to almost quadruple standard baggage capacity.

Corrosion-Proofing:
Exterior surfaces are alodined to prevent corrosion; interior components incorporate epoxy/polymide corrosion-proof paint.

All-Trimming Tail:
Provides efficient aerodynamic trimming by eliminating trim tabs.

Control Surfaces:
Precision-balanced for smooth, easy operation. Gap seals improve airflow, reduce drag.

Wing:
Tip-to-tip continuous carry-through spar provides exceptional structural integrity. Flush riveting and overlapping seams retain laminar airflow.

Tuned induction/exhaust on applicable models.

All-Metal Instrument Panel:
High-contrast background for ease of viewing; rugged, shock-mounted attach points.

Simple, rugged, low maintenance gear design.

Speed Brakes:
Provide efficient deceleration and glide-path control, allowing optimal flight management. (Standard on all models.)

Polyurethane Painting:
Exceptional finish and durability.

All-Composite Quick-Remove Belly Panels:
Provide fast access for maintenance and inspection.

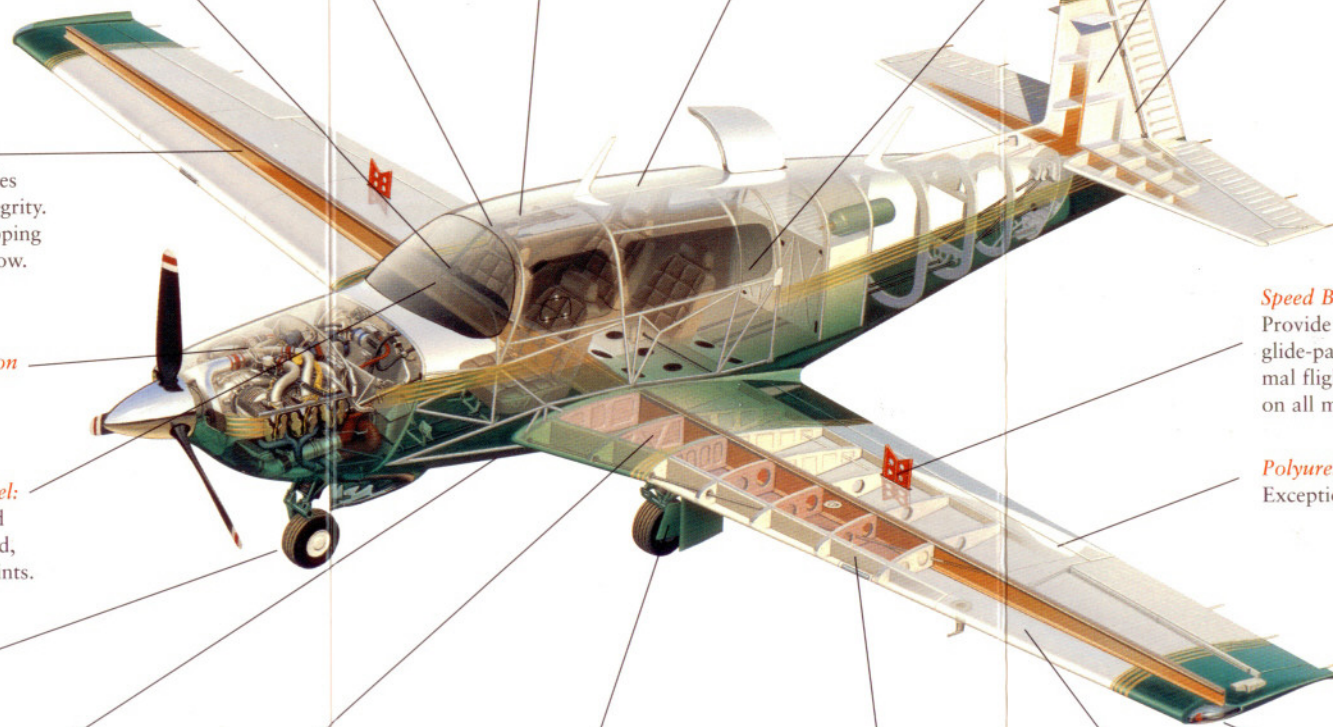
Airliner-Style Fuel Tanks:
Optimize available capacity; directly over center of gravity.

Rugged, Reliable Landing Gear:
Electro/mechanical retraction system with elastomeric shock absorption reduces maintenance. Fully-enclosed on Bravo, Encore,

Dual Wing-Mounted High-Intensity Landing/Taxi Lights:
Optimal illumination for nighttime operations.

Laminar flow wing through 2/3 chord.

NAV/Strobe/Recognition Lights:
Provide maximum visibility in high-traffic-density environments.



Specifications and Performance Data

	Allegro (M20J)	Ovation (M20R)
Cruise Speed	168 KTAS	190 KTAS
Rate of Climb (sea level)	1,030 fpm	1,200 fpm
Maximum Range	1,005 nm at 8,000 ft	1,130 nm at 9,000 ft
Endurance (with reserves)	7 hours at 8,000 ft	6.7 hours at 9,000 ft
Service Ceiling	18,600 ft (5,669 m)	20,000 ft (6,096 m)
Engine	Lycoming IO-360-A3B6	Continental IO-550-G
Horsepower	200 MCP	280 MCP
TBO	2,000 hours	2,000 hours
Fuel Capacity (usable)	64 gal (242.2 liters)	89 gal (337 liters)
Gross Weight	2,900 lbs (1,315 kg)	3,368 lbs (1,528 kg)
Approx. Useful Load	1,174 lbs (534 kg)	1,143 lbs (519 kg)
Basic Empty Weight	1,726 lbs (783 kg)	2,225 lbs (1009 kg)
Wing Span	36 ft 1 in (10.99 m)	36 ft 1 in (10.99 m)
Height	8 ft 4 in (2.54 m)	8 ft 4 in (2.54 m)
Length	24 ft 8 in (7.52 m)	26 ft 9 in (8.15 m)
Wing Loading	16.6 lbs/sq ft (81.1 kg/m ²)	19.3 lbs/sq ft (94.3 kg/m ²)
Power Loading	14.5 lbs/hp (6.58 kg/hp)	12.0 lbs/hp (5.46 kg/hp)
Warranty	2 years	2 years
	Encore (M20K)	Bravo (M20M)
Cruise Speed	MCP, 210 KTAS, FL250 MCP, 213 KTAS, FL220 75%, 198 KTAS, FL250	200 KTAS, at 13,000 ft 220 KTAS, at 25,000 ft
Rate of Climb (sea level)	1,300 fpm	1,230 fpm
Maximum Range	1,100 nm	1,070 nm at 13,000 ft 1,050 nm at 25,000 ft
Endurance (with reserves)	6.0 hours	6.7 hours at 13,000 ft 6.0 hours at 25,000 ft
Certified Ceiling	FL250	FL250
Engine	Continental TSIO-360-SB	Lycoming TIO-540-AF1B
Horsepower	220 MCP	270 BHP
TBO	1,800 hours	2,000 hours
Fuel Capacity (usable)	75.6 gal (286.2 liters)	89 gal (337 liters)
Gross Weight	3,130 lbs (1,419.8 kg)	3,368 lbs (1,528 kg)
Approx. Useful Load	1,000 lbs (453.6 kg)	1,100 lbs (500 kg)
Basic Empty Weight	2,130 lbs (966.17 kg)	2,268 lbs (1,030 kg)
Wing Span	36 ft 1 in (11 m)	36 ft 1 in (11 m)
Height	8 ft 4 in (2.54 m)	8 ft 4 in (2.54 m)
Length	25 ft 5 in (7.75 m)	26 ft 9 in (8.15 m)
Wing Loading	17.7 lbs/sq ft (87.5 kg/m ²)	19.3 lbs/sq ft (94.3 kg/m ²)
Power Loading	14.1 lbs/hp (6.45 kg/hp)	12.47 lbs/hp (5.66 kg/hp)
Warranty	2 years	2 years

All specifications and illustrations are based on the latest product information available at the time of publication. Mooney Aircraft Corporation reserves the right to make changes in specifications, prices or options at any time, without notice. All speed and range performance data based upon mid-cruise weight. Encore specifications are subject to certification.

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A Proud Line

The Current Generation



Mooney