

  
M O O N E Y



M

S

E



## MSE. The Refined Classic.

The MSE embodies all the refinements that established the Mooney performance dynasty. It's a direct descendant of the Mooney that first exceeded 200 mph on 200 normally-aspirated horsepower, a record that only Mooney aircraft have duplicated.

Incorporating the latest interior refinements of its thoroughbred kin, the MSE sets the performance standard for the 200 hp class with a 168 KTAS cruise and 1,000 nautical mile range. The reliable Textron Lycoming IO-360 powerplant offers power and economy in an optimized balance. As a regional business tool, or as the perfect transcontinental vacation aircraft, the MSE provides the epitome of efficiency combined with performance and value.

A 160 pound increase in payload capability complements an already outstanding array of features, and provides the owner/pilot with enhanced mission flexibility. The MSE. A true classic in every sense of the word.

## Standard Features

### Cabin Features

Cabin Access Step  
Four Headrests  
Side Armrests, Front & Rear  
Pilot Armrest  
Carpet, Floor & Baggage Area  
Carpeted Side Panels  
Storage Pockets  
Heating & Windshield Defrost System  
Reclining Front & Rear Seats  
**Vertically Adjusting Seats, Pilot & Co-Pilot**  
Removable Rear Seats for Cargo  
Baggage Door w/Inside Release Handle  
Leather Wrapped Control Yokes

Multiple Cabin Fresh Air Vents  
Inertia-Reel Shoulder Harness, Pilot & Co-Pilot  
Seat Belts & Shoulder Harness, Rear Seats  
Assist Strap  
Two Baggage Tie-Down Straps & Hooks  
Hat Shelf & Coat Hook  
Tinted Windshield & Windows  
Sun Visors  
Ash Tray  
Cigarette Lighter  
**Sound-Dampening Composite Interior**

### Control Features

Push-Pull Primary Engine Controls  
Dual Flight Controls  
**Push-Pull Tube-Actuated Flight Control System**  
Manual Full-Tail Elevator Trim w/Indicator  
Electrically Operated Wing Flaps, Pre-set for Cruise, Takeoff and Landing  
Electrically Operated Infinite-Range Cowl Flaps

Electrically Operated Retractable Landing Gear w/Airspeed Safety Bypass Switch  
Ratchet/Pull Cable Emergency Gear System  
Rudder Pedals, Pilot & Co-Pilot  
Direct Nosewheel Steering  
Parking Brake  
**Speed Brakes**  
**Dual Brakes**

## Electric System

10 Amp-Hour Battery, 24 Volts  
**70 Amp Alternator, 28 Volts**  
Voltage Regulator w/High & Low Warning Lights  
Protective Pop-Out Circuit Breakers  
Annunciator Lights w/Press to Test Switch  
Key-Operated Ignition Switch

Auxiliary Power Plug  
**Wing-Mounted Dual Landing & Taxi Lights**  
Wing-Tip Recognition Lights  
Navigation Lights  
Cabin Lights, Front & Rear  
Strobe Light System  
Rotating Beacon

## Fuel System

Two Integral (Wet) Wing Tanks  
Engine-Driven Fuel Pump  
**Electric Auxiliary/Boost Fuel Pump**  
Wing Tank Gascolators & Quick Drains

Fuel Drain Sampler Cup  
Electric Fuel Quantity Gauges  
Mechanical Fuel Quantity Gauges, Each Wing  
Fuel Selector Valve & Drain Control  
**Shadin Fuel Flow System**

## Instruments

True Airspeed Indicator (Knots)  
Sensitive Altimeter w/Blind Encoder  
Attitude Indicator  
Directional Gyro  
Vertical Speed Indicator  
Turn Coordinator  
Magnetic Compass  
Manifold Pressure Gauge  
Tachometer  
Exhaust Gas Temperature Gauge  
Cylinder Head Temperature Gauge  
Alternator Ammeter/Voltmeter  
Oil Temperature Gauge  
Oil Pressure Gauge

Fuel Pressure Gauge  
Panel-Mounted OAT Gauge  
Vacuum Gauge  
Flight Hour Recorder  
Digital Electric Clock w/Timer  
**Internally Lighted Instruments w/Rheostat**  
Glareshield Wash Lights w/Rheostat  
Gear Warning Horn  
Stall Warning Horn

## Power Plant

**Lycoming IO-360-A3B6, 200 BHP**  
Dual Magneto Ignition, Shielded Ignition Harness  
Electric Starter  
Dry-Type Paper Air Filter  
**Tuned Exhaust System**  
Constant-Speed, Two-Blade Propeller  
Fuel Injection System  
Dry Vacuum Pump w/Regulator

Full-Flow Oil Filter  
Alternate Induction Air System  
Dyna-Focal Engine Mounts  
Oil Quick Drain

## Other Features

**Tubular Steel, Welded Fuselage Cabin**  
**One Piece, Single Spar Wing**  
Knee-Action Landing Gear w/Rubber Disc Shock Absorbers  
Chrome Disc Brakes  
Dual Static Ports w/Drain  
Alternate Static Air Source  
Heated Pitot Tube  
Wing Jack-Points/External Tie-Downs  
Emergency Locator Transmitter  
Cabin, Baggage Door & Ignition Locks  
Chrome-Plated Tow Bar

**Epoxy Polyimide & Conversion Coat Anti-corrosion Treatment Applied Prior to Assembly**  
AcryGlo Polyurethane Finish  
Anti-Skid Wing Walk  
Wheel Covers  
Dual Nav/Com Antennas  
Avionics Blower System  
**Standby Vacuum System**  
Static Wicks  
Pilot Operating Handbook  
Fire Extinguisher  
Michelin Air<sup>®</sup>Tires



## MSE Specifications and Performance Data

Engine Lycoming IO-360-A3B6D

TBO 2,000 hrs

Propeller McCauley, 2-blade, Constant Speed, 74" Diameter

Seats 4

Length 24'8" (752 cm)

Height 8'4" (254 cm)

Gross Weight 2,900 lbs (1,315 kg)

Empty Weight 1,726 lbs (783 kg)

Wing Span 36'1" (11 m)

Wing Loading 16.6 lb/ft<sup>2</sup> (80.9 kg/m<sup>2</sup>)

Max Cruise Speed 168 KTAS at 8,000 ft

Range and Endurance (w/Reserve) 1,005 nm/7 hrs  
at 8,000 ft.

Service Ceiling 18,600 ft (5,669 m)

Horsepower 200 BHP

Power Loading 14.5 lb/hp (6.57 kg/hp)

Wing Area 175 ft<sup>2</sup>

Wing Aspect Ratio 7.4

Max Takeoff Weight 2,900 lbs (1,315 kg)

Max Useful Load 1,174 lbs (534 kg)

Max Landing Weight 2,900 lbs (1,315 kg)

Max Usable Fuel 64 gal (242 l)

Best Rate of Climb Airspeed 95 KIAS

Max Rate of Climb Sea Level 1,030 fpm

Climb Gradient 650 ft/nm

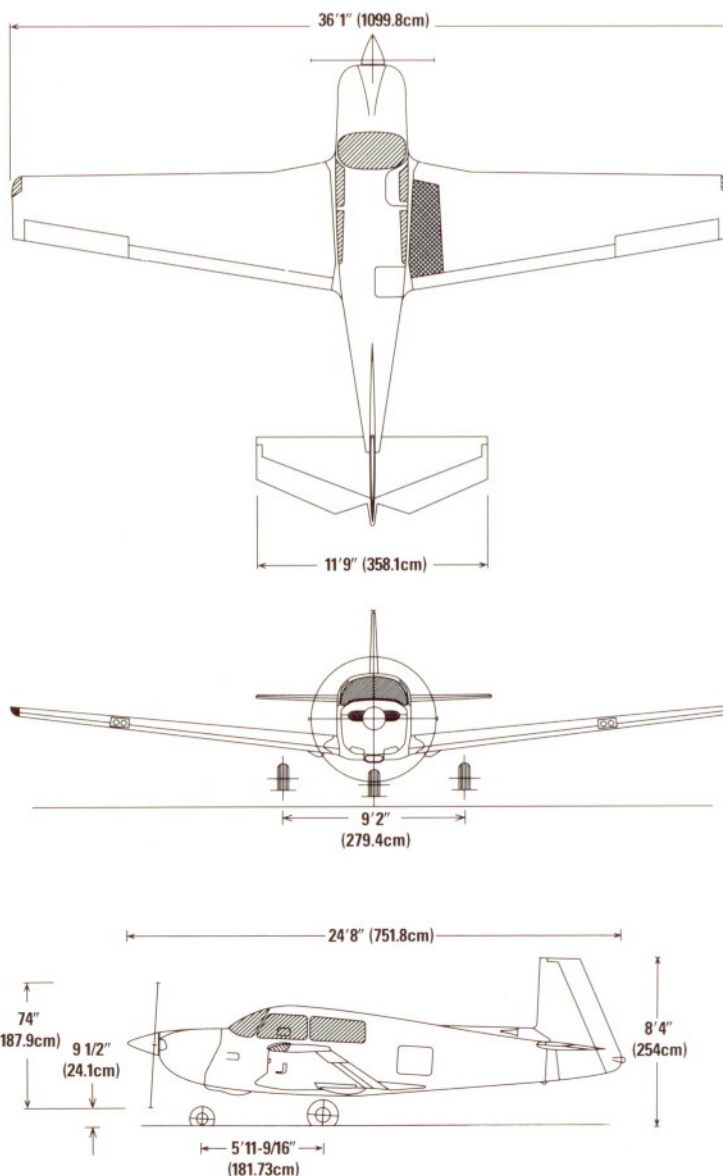
Stalling Speed, Clean 62 KIAS

Stalling Speed, Flaps/Gear Down 58 KIAS

Max Gear Extension Speed 132 KIAS

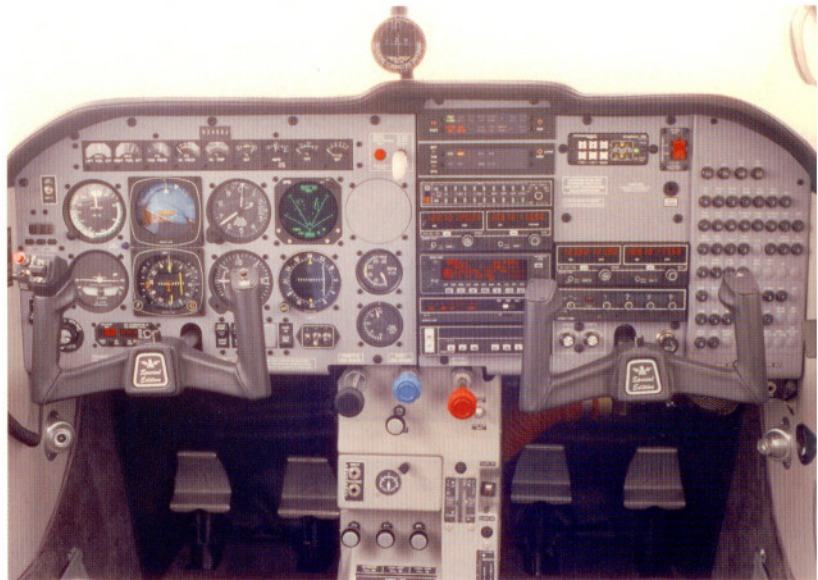
Max Gear Extended Speed 132 KIAS

Flap Extension Speed 112 KIAS



*All specifications and illustrations are based on the latest product information available at the time of publication and are subject to change. All speed and range performance data based upon mid-cruise weight.*





**MOONEY**

*The Personal Airliner*

For More Information

USA

(Voice) 800.456.3033 (FAX) 210.896.7333 (E-mail) sales@mooney.com

International

(Voice) USA 210.896.6000 ext. 299 (FAX) USA 210.896.8180 (E-mail) intsales@mooney.com

<http://mooney.com>