


M O O N E Y



O V  A T I O N

Ovation. The New Reference.

Combining the roomy comfort of the TLSBravo and the economy of the MSE, the Ovation has become the reference by which all other high-performance single-engine aircraft are now measured. Refined ergonomics in a roomy new interior provide an optimal level of quiet and comfort, truly the best in the industry. Optional air conditioning perfects an already outstanding traveling environment.

The Ovation provides a 190 KTAS mid-weight cruise speed, and offers outstanding altitude capability, with a service ceiling of FL200. Combine this performance with a 1,200 fpm sea-level climb, a generous gross weight of 3,368 pounds, and range of over 1,000 nautical miles, and you see how the Ovation raises the bar to new heights.

In the cockpit, overhead switch panels and a pilot-friendly layout distinguish the Ovation from its peers. And Teledyne Continental's powerful IO-550-G 300hp normally-aspirated engine derated to 280hp for greater efficiency provides an exceptionally smooth performance in front of the firewall. Robust systems redundancy, sophisticated panel layouts in the Classic and Classic/Plus configurations, and optimized levels of performance--these are the measures by which Ovation reigns.

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 w/Blower
Reclining Front & Rear Seats
Vertically Adjusting Seats, Pilot & Co-Pilot
Removable Rear Seats for Cargo
Baggage Door w/Inside Release Handle
Multiple Cabin Fresh Air Vents
Leather Wrapped Control Yokes

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
Expanded Window Area
Tinted Windshield & Windows
Sun Visors
Ash Tray
Cigarette Lighter
Sound-Dampening Composite Interior

Control Features

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

Dual 10 Amp-Hour Batteries, 24 Volts
100 Amp Alternator, 28 Volts
Voltage Regulator w/High & Low Warning Light
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 High and Low Boost Pumps
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 (EGT)
Cylinder Head Temperature Gauge
Alternator Ammeter/Voltmeter

Oil Temperature Gauge
Oil Pressure Gauge
Panel-Mounted OAT 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

TCM IO-550-G 280 BHP
Dual Magneto Ignition, Shielded Ignition Harness
Tuned Induction System
Lightweight Electric High Speed Starter
Dry-type Paper Air Filter
Constant Speed, Three-Blade Propeller

Fuel Injection System
High Volume Dry Vacuum Pump w/reg.
Full-flow Oil Filter
Alternate Induction Air System
Dyna-Focal Engine Mounts
Oil Quick Drain
Tuned Exhaust System

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 Collapsible 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®Tires



Ovation Specifications and Performance Data

Engine Continental IO-550-G

TBO 2,000 hrs

Propeller McCauley, 3-blade, Constant Speed,
73" Diameter

Seats 4

Length 26'9" (815 cm)

Height 8'4" (254 cm)

Gross Weight 3,368 lbs (1,528 kg)

Empty Weight 2,225 lbs (1,009 kg)

Wing Span 36'1" (11 m)

Wing Loading 19.3 lb/ft² (94.3 kg/m²)

Max Cruise Speed

190 KTAS at 9,000 ft

Range and Endurance (w/Reserve)

1,130 nm/6.7 hrs at 9,000 ft

Rate of Climb 1,200 fpm at sea level

Service Ceiling 20,000 ft (6,096 m)

Horsepower 280 BHP

Power Loading 12.0 lb/hp (5.46 kg/hp)

Wing Area 175 ft²

Wing Aspect Ratio 7.4

Max Ramp Weight 3,368 lbs (1,528 kg)

Max Takeoff Weight 3,368 lbs (1,528 kg)

Max. Useful Load 1,143 lbs (519 kg)

Max Landing Weight 3,200 lbs (1,452 kg)

Max Usable Fuel 89 gal (337 l)

Best Rate of Climb Airspeed 105 KIAS

Max Rate of Climb Sea Level 1,200 fpm

Climb Gradient 703 ft/nm

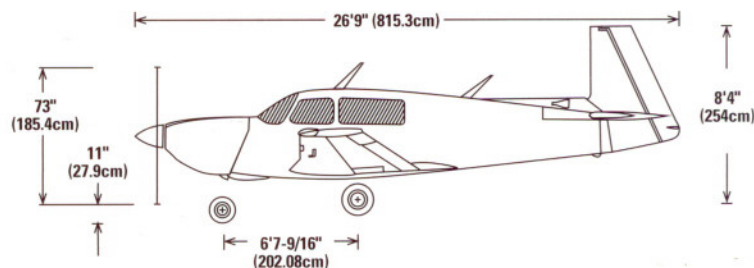
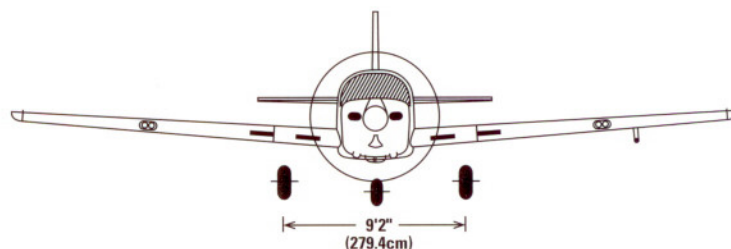
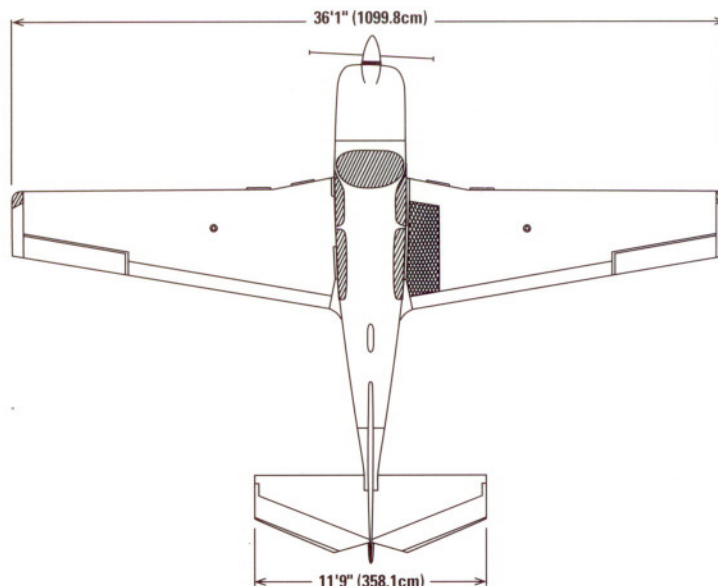
Stalling Speed, Clean 66 KIAS

Stalling Speed, Flaps/Gear Down 59 KIAS

Max Gear Extension Speed 140 KIAS

Max Gear Extended Speed 165 KIAS

Flap Extension Speed 110 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

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