

Mooney 252 TSE

Engine make/model:	Continental TSIO-360-MB1
Engine horsepower:	210
Horsepower for takeoff:	210
TBO hrs.:	1800
Fuel type:	100LL
Propeller type/diameter:	3-blade McCauley/74
Landing gear type:	Tri./Retr.
Max ramp weight (lbs.):	2900
Gross weight (lbs.):	2900
Landing weight (lbs.):	2900
Empty weight, std. (lbs.):	1800
Useful load, std. (lbs.):	1100
Payload, full std. fuel (lbs.):	647
Useful fuel, std. (gals.):	75
Oil capacity (qts.):	8
Wingspan:	36 ft. 1 in.
Overall length:	25 ft. 5 in.
Height:	8 ft. 4 in.
Wing area (sq. ft.):	175
Wing loading (lbs./sq. ft.):	16.6
Power loading (lbs./hp.):	13.8
Wheel base (in.):	71.6
Wheel track (in.):	108.75
Wheel size, nose (in.):	5.00 x 5
Wheel size, main (in.):	6.00 x 6
Seating capacity:	4
Cabin doors:	1
Cabin width (in.):	43.5
Cabin height (in.):	44.5
Baggage capacity (lbs.):	120

PERFORMANCE

Cruise speed (kts.):	
75% power @ 20,000 ft.:	201
65% power @ 10,000 ft.:	180
Range (w/ reserve) (nm):	
75% power @ 10,000/20,000 ft.:	541/568
65% power @ 10,000/20,000 ft.:	600*/640*
Max range (w/ reserve) (nm):	
75% power:	980
Fuel consumption (gph):	
75% power:	12.7
Vs (kts.):	61
Vso (kts.):	59
Best rate of climb, (fpm):	1080
Best rate of climb, 8,000 ft. (fpm):	1100
Service ceiling (ft.):	28,000
Takeoff ground roll (ft.):	1250
Takeoff over 50-ft. obstacle (ft.):	2200
Landing ground roll (ft.):	1140
Landing over 50-ft. obstacle (ft.):	2300

Sources: *Aircraft Bluebook Price Digest*, *Mooney Aircraft Company brochures*, *Pilot's Operating Handbook*,
<https://www.planeandpilotmag.com/article/1988-mooney-252-tse/>