

Technical Data 280 SE 4.5/280 SEL 4.5

Chassis type 280 SE 4.5	108.067
Chassis type 280 SEL 4.5	108.068

Engine

Engine type	M 117
Mode of operation	4-stroke engine, electronic gasoline Injection
No. of cylinders	8
Bore	3.62 ins. (92 mm)
Stroke	3.35 ins. (85 mm)
Total piston displacement	275.8 cu. ins. (4,520 cm ³)
Compression ratio	8
Output according to SAE	195 net HP
Max. engine speed	5,800 rpm
Valve clearance } Intake	0.003 in. (0.08 mm)
(cold engine) } Exhaust	0.008 in. (0.20 mm)
Firing order	1-5-4-8-6-3-7-2
Average fuel consumption (m. p. US/Imp. gal.)	17/20-11/13 (14-22 l/100 km)
Fuel consumption ¹ acc. to DIN 70030 (m. p. US/Imp. gal.)	16/19 (15 l/100 km)
measured at a speed of	68 mph (110 km/h)

¹ Consumption was measured at a steady speed on even road with two people in the vehicle.

Engine oil consumption (m. p. US/Imp. pt.)	196/235-118/141 (0.15-0.25 l/100 km)
---	---

V-belts:

Water pump - fan - power steering pump . . . 2 V-belts . . .	9.5 × 1,160 DA
Alternator	9.5 × 1,000 DA
Air conditioning	12.5 × 850 DA

Transmission

Design	Automatic transmission
------------------	------------------------

Steering

Design	Power steering
------------------	----------------

Wheels - Tires

Wheels	6 J × 14 H 2
Cross-ply tires (tubeless)	7.35 V 14 / 185 V 14 6 PR
Radial tires	185 VR 14

Technical Data 280 SE 4.5/280 SEL 4.5

Electrical System

3-phase alternator	14 V/55 A
Starter	12 V/1.4 PS
Battery	12 V/88 Ah
Spark plugs	Bosch W 175 T 30 Beru D 175/14/3A Champion UN 12 Y

Bulbs	12 V
High and low beams	Sealed beam insert No. 1 and 2
Fog lights	35 W
Stop lights	21 W
Turn indicator lights	21 W
Backup lights	21 W
License plate lights	5 W
Tail and standing lights	5 W
Parking and standing lights ..	5 W
Side marker lights	4 W
Courtesy light	10 W
Rear courtesy light	10 W
Instrument panel light	3 W
Indicator lights	3 W

Weights See certification plate

Main dimensions

Overall vehicle length	
280 SE 4.5	192.9 ins. (4,900 mm)
280 SEL 4.5	196.9 ins. (5,000 mm)
Overall vehicle width	71.3 ins. (1,810 mm)
Overall height (unloaded) ...	56.7 ins. (1,440 mm)
Wheel base – 280 SE 4.5 ...	108.3 ins. (2,750 mm)
Wheel base – 280 SEL 4.5 ...	112.2 ins. (2,850 mm)
Track, front	58.4 ins. (1,482 mm)
Track, rear	58.5 ins. (1,485 mm)

Speeds

Top speed	
“L” Load	56 mph (90 km/h)
“S” Slope	92 mph (148 km/h)
“D” Drive approximately	124 mph (200 km/h)

Gradeability²

“L” Load	1 in 2.33 (43 ^{0/0})
“S” Slope	1 in 2.33 (43 ^{0/0})
“D” Drive	1 in 3.03 (33 ^{0/0})

² Vehicle loaded with two persons. Specifications for 1st gear obtainable on roads affording good grip.