

Engine Data

Model		300 SEL 3.5	280 SE 3.5 Cp.	280 SE 3.5 Conv.
Chassis Type		109.056	111.026	111.027
Engine		116.981	116.980	116.980
Operation		4-stroke gasoline engine with electronic fuel injection (EFI)		
Number of cylinders		8		
Cylinder arrangement		V-shaped 90°		
Bore/stroke	mm	92/65.8		
Total displacement	cm ³	3499		
Compression ratio		9.5 : 1		
Firing order		1-5-4-8-6-3-7-2		
Max. speed	rpm	6500		
Engine output		DIN net hp/rpm SAE gross hp/rpm	200/5800 230/6050	
Max. torque		SAE net mkp/rpm SAE net lb.ft./rpm	210/4000 230/4200	
Crankshaft bearings		5		
Valve arrangement		Overhead		
Camshaft arrangement		OHC, one per cylinder bank		
Oil cooling		Air-oil cooler		
Cooling		Coolant circulation pump, thermostat with bypass line, fan with viscous coupling (viscofan), finned tube radiator.		
Lubrication		Forced oil circulation via gear-type oil pump		
Oil filter		Main flow filter		
Air filter		Dry air filter with paper cartridge		

00 Technical data

Filling Capacities

Model				300 SEL 3.5	280 SE 3.5 Cp.	280 SE 3.5 Conv.
Chassis Type				109.056	111.026	111.027
Engine				116.981	116.980	116.980
Fuel tank/reserve			apprx. ltr.	82/11	82/11.5	
	crankcase w/o oil filter	engine oil	max/min ltr.	7.5/5.5		
Engine	oil filter change	engine oil	apprx. ltr.	0.75		
	air oil cooler	engine oil	apprx. ltr.	0.4		
Cooling system with heater		coolant	apprx. ltr.	13.2		
Coolant pump				Maintenance-free		
Brake system		brake fluid	apprx. ltr.	0.5		
Automatic transmission		ATF	apprx. ltr.	5.8		
Rear axle hypoid gear oil SAE 90			apprx. ltr.	2.5		
Power steering		ATF	apprx. ltr.	1.5		

Electrical System

Battery		Voltage Capacity	12 V 66 Ah
Starter			GF 12 V 1.4 H.P.
Alternator			KI (RL) 14 V 55 A 20

Engine Data

Model		280 SE 4.5	280 SEL 4.5	300 SEL 4.5
Chassis Type		108.067	108.068	109.057
Engine		117.984	117.984	117.981
Operation		4-stroke gasoline engine with electronic fuel injection (EFI)		
Number of cylinders		8		
Cylinder arrangement		V-shaped 90°		
Bore/stroke	mm	92/85		
Total displacement	cm ³	4520		
Compression ratio		8.0 : 1		
Firing order		1-5-4-8-6-3-7-2		
Max. speed	rpm	5800		
Engine output	SAE net bhp/rpm	190/4750		
Max. torque	SAE net lb. ft./rpm	240/3000		
Crankshaft bearings		5		
Valve arrangement		Overhead		
Camshaft arrangement		OHC, one per cylinder bank		
Oil cooling		Air-oil cooler		
Cooling		Coolant circulation pump, thermostat with bypass line, fan with viscous coupling (viscofan), finned tube radiator.		
Lubrication		Forced oil circulation via gear-type oil pump		
Oil filter		Main flow filter		
Air filter		Dry air filter with paper cartridge		

00 Technical data

Filling capacities

Model				280 SE 4.5	280 SEL 4.5	300 SEL 4.5
Chassis Type				108.067	108.068	109.057
Engine				117.984	117.984	117.981
Fuel tank/reserve			apprx. ltr.	82/11		
Engine	full capacity	engine oil	max/min apprx. ltr.	8.5/6.5		
	crankcase w/o oil filter	engine oil	max/min ltr.	7.5/5.5		
	oil filter change	engine oil	apprx. ltr.	0.75		
	air oil filter	engine oil	apprx. ltr.	0.4		
Cooling system with heater		coolant	apprx. ltr.	13.5		
Coolant pump				Maintenance-free		
Brake system		brake fluid	apprx. ltr.	0.5		
Automatic transmission		ATF	apprx. ltr.	7.9		
Rear axle hypoid gear oil SAE 90			apprx. ltr.	2.5		
Power steering		ATF	apprx. ltr.	1.4		

Electrical System

Battery		Voltage Capacity	12 V 66 Ah
Starter			GF 12 V 1.4 H.P.
Alternator			KI (RL) 14 V 55 A 20

Engine Data

Model	450 SE	450 SEL	450 SL	450 SLC
Chassis Type	116.032	116.033	107.024	107.044
Engine	117.983	117.986	117.982	117.985
Operation	4-stroke gasoline engine with EFI ¹⁾ or CIS ²⁾ fuel injection system			
Number of cylinders	8			
Cylinder arrangement	V-shaped 90°			
Bore/stroke	mm	92/85		
Total displacement	cm ³	4520		
Compression ratio	8 : 1			
Firing order	1-5-4-8-6-3-7-2			
Max. speed	rpm	5800		
Engine output	SAE net bhp/rpm	180/4750		
Max. torque	SAE net lb. ft./rpm	220/3000		
Crankshaft bearings	5			
Valve arrangement	Overhead/Hydraulic tappets ²⁾			
Camshaft arrangement	OHC, one per cylinder bank			
Oil cooling	Air-oil cooler			
Cooling	Coolant circulation pump, thermostat with bypass line, fan with viscous coupling (viscofan), finned tube radiator.			
Lubrication	Forced oil circulation via gear-type oil pump			
Oil filter	Main flow filter			
Air filter	Dry air filter with paper cartridge			

1) Engine 117.982/983 up to model year 1976 with Electronic Fuel Injection (EFI)

2) Engine 117.985/986 from model year 1976 with Continuous Injection System (CIS)

00 Technical data

Filling Capacities

Model	450 SE	450 SEL	450 SL	450 SLC
Chassis Type	116.032	116.033	107.044	107.024
Engine	117.983	117.986	117.982	117.985
Fuel tank/reserve	apprx. ltr.		96/13	
Engine	full capacity	engine oil	apprx. ltr.	9
	during oil and filter change	engine oil	apprx. ltr.	8
	oil pan up to marks on oil dipstick	engine oil	max/min ltr.	7.5/5.5
	oil filter	engine oil	apprx. ltr.	0.75
Cooling system with heater	coolant	apprx. ltr.	15	
Coolant pump	Maintenance-free			
Brake system	brake fluid Dot 4	apprx. ltr.	0.5	
Automatic transmission	ATF	apprx. ltr.	7.9	
Rear axle hypoid gear oil SAE 90		apprx. ltr.	1.3	
Power steering	ATF	apprx. ltr.	1.4	

Electrical System

Battery	Voltage Capacity	12 66 Ah
Starter	GF 12 V 1.5 kW	
Alternator	KI (RL) 14 V 55 A 20 ¹⁾ KI 14 V 65 A 21 ³⁾	KI 14 V 55 A 20 ²⁾ KI 14 V 70 A 20 ⁴⁾

1) Up to August 1974

2) Since August 1974

3) 1979

4) 1980