

**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 <sup>3</sup>	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 <sup>3</sup>	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 <sup>1)</sup> or CIS <sup>2)</sup> fuel injection system			
Number of cylinders	8			
Cylinder arrangement	V-shaped 90°			
Bore/stroke	mm	92/85		
Total displacement	cm <sup>3</sup>	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 <sup>2)</sup>			
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 <sup>1)</sup> KI 14 V 65 A 21 <sup>3)</sup>	KI 14 V 55 A 20 <sup>2)</sup> KI 14 V 70 A 20 <sup>4)</sup>

1) Up to August 1974

2) Since August 1974

3) 1979

4) 1980