

**Engine**

Model	107.045	107.025	126.033	126.043
Sales designation	380 SL	380 SLC	380 SEL	380 SEC
Engine	116.960 116.962	116.960	116.961 116.963	116.963
Operation	4-cycle, electronic/mechanical gasoline injection system with airflow sensor (CIS)	4-cycle, electronic/mechanical gasoline injection system with airflow sensor (CIS)	4-cycle, electronic/mechanical gasoline injection system with airflow sensor (CIS)	4-cycle, electronic/mechanical gasoline injection system with airflow sensor (CIS)
Number of cylinders	8	8	8	8
Cylinder arrangement	V-shaped 90°	V-shaped 90°	V-shaped 90°	V-shaped 90°
Bore/stroke mm	88/78.9	88/78.9	88/78.9	88/78.9
Total effective piston displacement cc	3839	3839	3839	3839
Compression ratio	8.3:1	8.3:1	8.3:1	8.3:1
Firing order	1-5-4-8-6-3-7-2	1-5-4-8-6-3-7-2	1-5-4-8-6-3-7-2	1-5-4-8-6-3-7-2
Maximum speed rpm	5300 ± 50	5300 ± 50	5300 ± 50	5300 ± 50
Engine output (SAE)kW/rpm (SAE net bhp/rpm)	115.4750 (155.4750)	115.4750 (155.4750)	115.4750 (155.4750)	115.4750 (155.4750)
Maximum torque Nm/rpm (net lb-ft./rpm)	275.2750 (196.2750)	275.2750 (196.2750)	275.2750 (196.2750)	275.2750 (196.2750)
Crankshaft bearings	5	5	5	5
Valve arrangement	Overhead hydraulic lifters	Overhead hydraulic lifters	Overhead hydraulic lifters	Overhead hydraulic lifters
Camshaft arrangement	OHC, one per cylinder bank	OHC, one per cylinder bank	OHC, one per cylinder bank	OHC, one per cylinder bank
Oil cooling	none	none	none	none
Cooling	Coolant circulating pump, thermostat with bypass line, fan with visco fan clutch, finned tube radiator	Coolant circulating pump, thermostat with bypass line, fan with visco fan clutch, finned tube radiator	Coolant circulating pump, thermostat with bypass line, fan with visco fan clutch, finned tube radiator	Coolant circulating pump, thermostat with bypass line, fan with visco fan clutch, finned tube radiator
Lubrication	Pressure lubrication via gear type pump	Pressure lubrication via gear type pump	Pressure lubrication via gear type pump	Pressure lubrication via gear type pump
Oil filter	Full flow filter	Full flow filter	Full flow filter	Full flow filter
Air cleaner	Dry paper cartridge	Dry paper cartridge	Dry paper cartridge	Dry paper cartridge

**Engine**

Model	126.037	126.044
Sales designation	500 SEL	500SEC
Engine	116.960 116.962	116.960
Operation	4-cycle, electronic mechanical gasoline injection system with airflow sensor (CIS)	4-cycle, electronic mechanical gasoline injection system with airflow sensor (CIS)
Number of cylinders	8	8
Cylinder arrangement	V-shaped 90°	V-shaped 90°
Bore stroke mm	96.5 85	96.5 85
Total effective piston displacement cc	4973	4973
Compression ratio	8.0:1	8.0:1
Firing order	1-5-4-8-6-3-7-2	1-5-4-8-6-3-7-2
Maximum speed rpm	5500 ± 50	5500 ± 50
Engine output (SAE) kW rpm (SAE net bhp rpm)	137 4500 (184 4500)	137 4500 (184 4500)
Maximum torque Nm rpm (net lb-ft rpm)	343 2000 (247 2000)	343 2000 (247 2000)
Crankshaft bearings	5	5
Valve arrangement	Overhead hydraulic lifters	Overhead hydraulic lifters
Camshaft arrangement	OHC, one per cylinder bank	OHC, one per cylinder bank
Oil cooling	none	none
Cooling	Coolant circulating pump, thermostat with bypass line, fan with visco fan clutch, finned tube radiator	Coolant circulating pump, thermostat with bypass line, fan with visco fan clutch, finned tube radiator
Lubrication	Pressure lubrication via gear type pump	Pressure lubrication via gear type pump
Oil filter	Full flow filter	Full flow filter
Air cleaner	Dry paper cartridge	Dry paper cartridge

**Filling capacities**

Model	107.045	107.025	126.032	126.033	126.043
Sales designation	380 SL	380 SLC	380 SE	380 SEL	380 SEC
Engine	116.960 116.962	116.960	116.963	116.961 116.963	116.963
Fuel tank reserve approx. l	85.11.5	85.11.5	90.12.5	90.12.5	90.12.5
Engine oil initial filling approx. l	8.5	8.5	8.5	8.5	8.5
During oil and filter change approx. l	8.0	8.0	8.0	8.0	8.0
Marks on dipstick max./min. approx. l	7.5.5.5	7.5.5.5	7.5.5.5	7.5.5.5	7.5.5.5
Cooling system with heater approx. l	12.5	12.5	12.5	12.5	12.5
Coolant pump	maintenance-free	maintenance-free	maintenance-free	maintenance-free	maintenance-free
Brake system approx. l	0.53	0.53	0.53	0.53	0.53
Automatic transmission approx. l initial fill/ oil change	7.3.6.2	7.3.6.2	7.1.6.2	7.3.6.2	7.3.6.2
Rear axle hypoid gear oil SAE 90 approx. l	1.3	1.3	1.3	1.3	1.3
Power steering approx. l	1.4	1.4	1.2	1.2	1.2

**Filling capacities**

Model	126.037	126.044
Sales designation	500 SEL	500 SEC
Engine	117.963	117.963
Fuel tank reserve approx. l	90.12.5	90.12.5
Engine oil initial filling approx. l	8.5	8.5
During oil and filter change approx. l	8.0	8.0
Marks on dipstick max./min. approx. l	7.5.5.5	7.5.5.5
Cooling system with heater approx. l	13.0	13.0
Coolant pump	maintenance-free	maintenance-free
Brake system approx. l	0.53	0.53
Automatic transmission approx. l initial fill/ oil change	8.6.7.7	8.6.7.7
Rear axle hypoid gear oil SAE 90 approx. l	1.3	1.3
Power steering approx. l	1.2	1.2

**Electrical system**

Model		107.045	107.025	126.032	126.033	126.043
Sales designation		380 SL	380 SLC	380 SE	380 SEL	380 SEC
Engine		116.960 116.962	116.960	116.963	116.961 116.963	116.963
Battery	Voltage Capacity	12 V 88 Ah	12 V 88 Ah	12 V 66 Ah	12 V 66 Ah	12 V 66 Ah
Starter	Bosch	GF 12 V 1.5 kW	GF 12 V 1.5 kW	GF 12 V 1.5 kW	GF 12 V 1.5 kW	GF 12 V 1.5 kW
Alternator		KI 14 V 70 A 20	KI 14 V 70 A 20	N1 - 14 V 80 A 19	KI 14 V 70 A 20	KI 14 V 70 A 20

**Electrical system**

Model		126.037	126.044
Sales designation		500 SEL	500 SEC
Engine		117.963	117.963
Battery	Voltage Capacity	12 V 66 Ah	12 V 66 Ah
Starter	Bosch	GF 12 V 1.5 kW	GF 12 V 1.5 kW
Alternator		N1 - 14 V 80 A 19	N1 - 14 V 80 A 19