

## Diesel engines

Model	201.126	201.128	124.128	124.133 / 124.193
Sales designation	190 D 2.5	190 D 2.5 Turbo (Federal)	300 D 2.5 Turbo (Federal)	300 D Turbo 300 TD Turbo
Engine	602.911	602.961	602.962	603.960
Operation	4-cycle diesel, MB prechamber design	4-cycle diesel, MB prechamber design	4-cycle diesel, MB prechamber design	4-cycle diesel, MB prechamber design
Aspiration	Normal	Turbo	Turbo	Turbo
Number of cylinders	5	5	5	6
Cylinder arrangement	In-line 15° inclination	In-line 15° inclination	In-line 15° inclination	In-line 15° inclination
Bore/stroke mm	87.0/84.0	87.0/84.0	87.0/84.0	87.0/84.0
Total effective piston displacement cc	2497	2497	2497	2996
Compression ratio	22.0 : 1	22.0 : 1	22.0 : 1	22.0 : 1
Firing order	1-2-4-5-3	1-2-4-5-3	1-2-4-5-3	1-5-3-6-2-4
Maximum speed rpm	5150 ± 150	5150 ± 150	4600 ± 50	5150 ± 150
Engine output (SAE)kW/rpm net bhp/rpm	69/4600 93/4600	92/4600 123/4600	90/4600 120/4600	107/4600 143/4600
Maximum torque Nm/rpm net lb-ft./rpm	165/2800 122/2800	228/2400 168/2400	223/2400 164/2400	265/2400 195/2400
Crankshaft bearings	6(multi-component, anti-friction bearings)	6 (multi-component, anti-friction bearings)	6 (multi-component, anti-friction bearings)	7 (multi-component, anti-friction bearings)
Valve arrangement	Overhead	Overhead	Overhead	Overhead
Camshaft arrangement	1 overhead camshaft	1 overhead camshaft	1 overhead camshaft	1 overhead camshaft
Oil cooling	-	Oil-to-air cooler	Oil-to-air cooler	Oil-to-air cooler
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	Combination full flow and bypass filter	Combination full flow and bypass filter	Combination full flow and bypass filter
Air cleaner	Dry paper cartridge	Dry paper cartridge	Dry paper cartridge	Dry paper cartridge

## Gasoline engines

Model	126.125	126.125	126.134 / .135
Sales designation	300 SDL Turbo (Federal)	300 SDL Turbo (California)	350 SD / SDL Turbo (Federal)
Engine	603.961	603.961	603.970
Operation	4-cycle diesel, MB prechamber design	4-cycle diesel, MB prechamber design	4-cycle diesel, MB prechamber design
Aspiration	Turbo	Turbo	Turbo
Number of cylinders	6	6	6
Cylinder arrangement	In-line 15° inclination	In-line 15° inclination	In-line 15° inclination
Bore/stroke mm	87.0/84.0	87.0/84.0	89.0/92.4
Total effective piston displacement cc	2996	2996	3449
Compression ratio	22.0 : 1	22.0 : 1	22.0 : 1
Firing order	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4
Maximum speed rpm	5150 ± 150	5150 ± 150	4250 ± 50
Engine output (SAE)kW/rpm net bhp/rpm	110/4600 148/4600	107/4600 143/4600	100/4000 133/4000
Maximum torque Nm/rpm net lb-ft./rpm	273/2400 201/2400	265/2400 195/2400	310/2000 228/2000
Crankshaft bearings	7 (multi-component, anti-friction bearings)	7 (multi-component, anti-friction bearings)	7 (multi-component, anti-friction bearings)
Valve arrangement	Overhead	Overhead	Overhead
Camshaft arrangement	1 overhead camshaft	1 overhead camshaft	1 overhead camshaft
Oil cooling	Oil-to-air cooler	Oil-to-air cooler	Oil-to-air cooler
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
Lubrication	Pressure lubrication via gear type pump	Pressure lubrication via gear type pump	Pressure lubrication via gear type pump
Oil filter	Combination full flow and bypass filter	Combination full flow and bypass filter	Combination full flow and bypass filter
Air cleaner	Dry paper cartridge	Dry paper cartridge	Dry paper cartridge

**Filling capacities**

Model	201.126	201.128 (Federal)	124.128 (Federal)	124.133, 124.193	126.125 (Federal)
Sales designation	190 D 2.5	190 D 2.5 Turbo	300 D 2.5 Turbo	300 D Turbo 300 TD Turbo	300 SDL Turbo
Engine	602.911	602.961	602.962	603.960	603.961
Fuel tank/reserve approx. l	55/7.0	55/7.0	70/9.0	70/9.0 72/10.0	90/12.5
Engine oil initial filling approx. l	8.0	8.2	8.2	9.2	9.2
During oil and filter change approx. l	7.0	7.5	7.0	8.0	8.0
Marks on dipstick max./min. approx. l	5.5/3.5	6.0/4.0	6.0/4.0	6.5/4.5	6.5/4.5
Oil-to-air cooler with hoses	-	0.7	0.7	1.1	0.65
Cooling system with heater approx. l	8.0	8.0	9.0	10.0	12.5

**Filling capacities (continued)**

Model	126.125 (California)	126.134 / .135 (Federal)
Sales designation	300SDL Turbo	350 SD Turbo 350 SDL Turbo
Engine	603.961	603.970
Fuel tank/reserve approx. l	90/12.5	90/12.5
Engine oil initial filling approx. l	9.2	9.2
During oil and filter change approx. l	8.0	7.5
Marks on dipstick max./min. approx. l	6.5/4.5	6.5/4.5
Oil-to-air cooler with hoses	0.65	0.65
Cooling system with heater approx. l	10.0	10.0

**Electrical system**

Model	201.126	201.128 (Federal)	124.128 (Federal)	124.133, 124.193	126.125 (Federal)
Sales designation	190 D 2.5	190 D 2.5 Turbo	300 D 2.5 Turbo	300 D Turbo 300 TD Turbo	300 SDL Turbo
Engine	602.911	602.961	602.962	603.960	603.961
Battery Voltage Capacity	12 V 62 Ah (M.Y. 1986) 92 Ah (from M. Y. 1987)	12 V 92 Ah	12 V	12 V 92 Ah	12 V 92 Ah
Starter Bosch	12 V 2.2 kW	12 V 2.2 kW	12 V	12 V 2.2 kW	12 V 1.5 kW
Alternator	14 V 70 A	14 V 70 A	14 V 70 A	14 V 70 A	14V 80A

**Electrical system**

Model	126.125 (California)	126.134./135 (Federal)
Sales designation	300SDL Turbo	350 SD Turbo 350 SDL Turbo
Engine	603.961	603.970
Battery Voltage Capacity	12 V 62 Ah	12 V 62 Ah
Starter Bosch	12 V 2.2 kW	12 V 1.7 kW
Alternator	14 V 70 A	14V 80A