Model	years	1978-	84
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Engine				Model yea	rs 1978—84
Model	300 SD		300 TD	300 D	300 CD
Chassis type	116.120	126.120	123.193	123.133	123.153
Engine	617.950	617.951	617.952		
Operation	4-cycle die	sel, MB pre	chamber des	sign with tur	bocharger
Number of cylinders	5				
Arrangement of cylinders	In-line, ver	tical			
Bore/stroke mm	90.9/92.4				
Total eff. piston displacement cc	2998				
Compression ratio	21.5 : 1				
Firing order	1-2-4-5	-3			
Max. engine rpm (no load)	4900-520	0			
Engine output SAE net bhp/rpm	85/4200 110/4200*		89/4350 170/2400		.,, . , ,
Max. torque SAE net lbf-ft./rpm	235/2400 168/2400*		250/2400 170/2400		
Crankshaft bearings	6				
Valve arrangement	Overhead				
Camshaft arrangement	I overhead	camshaft			
Oil cooler	Air-to-oil c	ooler			
Cooling			p, thermost ch, finned to		ass line,
Lubrication	Pressure lu	brication vi	a gear-type	pump	
Oil filter	Combination	on full-flow	by-pass filt	er	
Air cleaner	Dry air clea	aner with p	aper cartrid	је	
Electrical system					
Battery Voltage Capacity	12 V 88 Ah				
Starter Bosch	JF 12 V 2.	3 kW	······································		
Alternator Bosch	K1 14 V 5	5 A 20			

* Model year 1980 120 bhp at 4350 rpm

Model year 1985

E	n	g	ı	n	е

Model		300 D, 300 CD, 300 TD	300 SD			
Chassis type		123.133, 123.153, 123.193	126.120			
Engine		617.952 617.951				
Operation		4-cycle diesel, MB prechamber design with turbocharge and boost pressure control				
Number of cylinders		5				
Cylinder arrangement		In-line, vertical				
Bore/stroke	mm	90.9/92.4				
Total effective piston displacement	сс	2998				
Compression ratio		21.5 : 1				
Firing order		1-2-4-5-3				
Maximum speed, no load	rpm	5100 ± 100				
	k W /r p m	Federal 92/4350 California 88/4350				
Engine output (SAE)	net bhp/rpm	Federal 123/4350 California 118/4350				
	Nm/rpm	Federal 250/2400 California 240/2400				
Maximum torque (SAE)	net lbf-ft/rpm	Federal 184/2400 California 177/2400				
Crankshaft bearings		6 (multi-component friction be	arings)			
Valve arrangement		Overhead				
Camshaft arrangement		1 overhead camshaft				
Oil cooler		Air-to-oil cooler				
Cooling		Water circulating pump, thermostat with bypass line, finned tube radiator, fan with viscofan clutch				
Lubrication		Pressure lubrication via gear-type pump				
Oil filter		Combined main and bypass filter				
Air cleaner	•	Dry air cleaner with paper cartridge				

Electrical system

Battery	Voltage Capacity	12 V 92 Ah
Starter	Bosch	JF 12 V 2.3 kW
Alternator	Bosch	910 W (14 V 65 A)

Filling capacities — all turbodiesels

Mod	lel			116.120	123.133/153	123.193	126.120
Engi	ine						
Fuel	I tank/reserve		approx. l	82/14	80/10.5	10/11	77/12.5
	Initial filling	Engine oil	approx. I	8.5	8.5	8.5	8.5
Engine	During oil and filter change	Engine oil	approx. I	7.5	7.5	7.5	7.5
	Oil pan up to marks on oil dipstick	Engine oil n	nax./min. l	6/4.5	6/4.5	6/4.5	6/4.5
	Air-oil cooler	Engine oil	approx. l	0.7	0.7	0.7	0.7
Coo	lin system with heater	Coolant	approx. l	12.4	12.5	12.5	12.5
Coo	lant pump			maintenanc	e-free	A A A A A A A A A A A A A A A A A A A	
Brake system		Brake fluid	approx. l	0.5	0.5	0.5	0.5
Initial Automatic transmission ATF filling/Oil approx. I change		6.6/5.3	7.3/6.2	7.3/6.2	7.3/6.2		
Rear axle hypoid gear oil SAE 90 approx. I		1.0	1.0	1.0	1.3		
Power steering		ATF for manual trans-	approx. I	1.4	1.4	1.4	1.2