

Technical data

Mercedes-Benz Type		364 A			364 LA		
Model		364.955	364.956	364.982	364.983	364.985	364.999
Principle of operation		Diesel-four-stroke – Direct injection method					
Number of cylinders, cylinder arrangement		4 vertical in line					
Bore Ø	mm	97,5					
Stroke	mm	133					
Total displacement	cm³	3972					
Compression ratio		18			17		
Compression pressure at starting speed	bar	22–24 (min. 20)					
Continuous output at rated engine speed	kW (HP) 1/min	77 ¹⁾ (105) 2400	79 ¹⁾ (107) 2600	99 ¹⁾ (135) 2400	102 ¹⁾ (139) 2600	102 ¹⁾ (139) 2600	102 ¹⁾ (139) 2600
Maximum torque at speed	Nm 1/min	360 1300 to 1500	360 1400 to 1500	430 1300 to 1800	430 1400 to 1800	430 1300 to 1800	430 1300 to 1800
Torque rise	%	18,0	24,0	9,0	15,0	15,0	15,0
Idle speed	1/min	700					
Start of delivery before TDC	°	8			11		
Injection sequence		1 – 3 – 4 – 2					
Opening pressure of new injection nozzles	bar	200 + 8					
used	bar	min. 180					
Valve clearance, cold	Inlet mm	0,40					
	Exhaust mm	0,60					
Operating temperature	°C	95					
Oil pressure	normal bar	2 to 5					
	idling bar	min. 0,6					

Mercedes-Benz Type		366		366 A			366 LA			
Model		356.912	356.914	356.954	356.955	356.956	356.980	356.997	356.998	
Principle of operation		Diesel-four-stroke – Direct injection method								
Number of cylinders, cylinder arrangement		6 vertical in line								
Bore Ø		mm	97,5							
Stroke		mm	133							
Total displacement		cm³	5958							
Compression ratio			19		18		17			
Compression pressure at starting speed		bar	28 (min. 20)							
Continuous output at rated engine speed		kW (HP) 1/min	81 ¹⁾ (110) 2400	75 ¹⁾ (102) 2400	92 ¹⁾ ²⁾ (125) 2400	100 ¹⁾ ²⁾ (136) 2400	114 ¹⁾ ²⁾ (155) 2400	177 ²⁾ (240) 2600	157 ²⁾ (214) 2600	132 ¹⁾ (180) 2600
Maximum torque at speed		Nm 1/min	375 1500 to 1700	356 1500 to 1700	425 1300 to 1700	465 1300 to 1700	540 1400 to 1700	660 1400 to 1700	660 1400 to 1700	590 1300 to 1900
Torque rise		%	16,3	19,0	16,1	17,0	19,0	17,0	14,0	12,0
Idle speed		1/min	700							
Start of delivery before TDC		°	12		8			11		
Injection sequence			1 – 5 – 3 – 6 – 2 – 4							
Opening pressure of new injection nozzles		bar	200 ± 10							
		bar	min. 180							
Valve clearance, cold		Inlet mm	0,40							
		Exhaust mm	0,60							
Operating temperature		°C	95							
Oil pressure		normal bar	2 to 5							
		idling bar	min. 0,6							

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1) Rigid fan 2) Viscosity fan

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