

Test Specifications Distributor-Type Fuel Injection Pump

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WPP 001/4 KHD 3,8a

3. Edition

En

Testoil-ISO 4113

VA 4/110 H 1400 BR 50
BR 50-1

supersedes 12.74

company KHD

engine F 4 L 912-80 PS

Pre-stroke setting: 0,2 mm
Setting of the pointer at a stroke of 1 mm in relation to outlet "C".

All test specifications are valid for Bosch Fuel Injection Pump Test Benches and Testers
Test Instructions and Test Equipment VDT-WPP 161/4 B
Pre-setting see reverse side

1. Settings	rev/min	Settings	Charge air press kp/cm ²	Difference in delivery cm ³
1.1 Timing device travel	1000	5,8-6,8 mm		
1.2 Supply pump pressure	1000	4,8-5,3 kp/cm ²		
1.3 Full load delivery without charge air pressure	1000	60,0-61,0 cm ³ /1000 strokes		
Full load delivery with charge air pressure	--	-- cm ³ /1000 strokes		
1.4 Idle speed regulation	250	9,0-15,0 cm ³ /1000 strokes		
1.5 Start	100	mind. 110,0 cm ³ /1000 strokes		
1.6 Full load speed regulation	1460	36,0-44,0 cm ³ /1000 strokes		

2. Test Specifications

Checking values in brackets

2.1 Timing device	rev/min	430-560 (400-590)	1000	1250-1370
	mm	Beginn	(5,6-7,0)	9,7-10,4 (9,4-10,7)
2.2 Supply pump	rev/min	100	1000	1400
	kp/cm ²	1,0-1,5 (0,8-1,7)	(4,6-5,5)	5,9-6,4 (5,7-6,6)
Overflow delivery	rev/min	500	1000	
	cm ³ /10 s	mind. 25	55-125 (40-140)	

2.3 Fuel deliveries

Speed control lever	Delivery lever	rev/min	cm ³ /1000 strokes	Charge air pressure kp/cm ²
End stop	Full	1520-1650 (1500-1670)	0	
		1580	max. 5,0	
		1460	(35,0-45,0)	
		1350	55,0-58,0 (54,0-59,0)	
		1000	(59,5-61,5)	
		500	53,0-56,0 (52,0-57,0)	
	Stop	1400	0	
Idle stop	Full	290-340 (270-360)	0	
		250	(8,0-16,0)	
		100	mind. 110,0	
End stop		mind. 200		

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