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Test Specifications Distributor-type Fuel-injection Pumps

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WPP 001/4 VWV 2,4 k

3. Edition

En

Testo ISO 4113

VE 6/10 F 2400 L 32-2 Overflow temperature 45° C
0 460 406 037

supersedes 3.85
company VWV
engine 087/10

All test specifications are valid only for Bosch Fuel-injection Pump Test Benches and Testers

Test Instructions and Test Equipment

Pre-stroke setting mm

see VDT-W-460/

1. Settings	Rot speed rev/min	Settings	Charge-air press bar (kgf/cm ²)	Difference in delivery cm ³
1 1 Timing device travel	1500	2,8-3,2 mm		
1 2 Supply-pump pressure	1500	5,2-5,8 bar (kgf/cm ²)		
1 3 Full-load delivery with charge-air pressure	-	cm ³ /1000 strokes		max. 2,5
Full-load delivery without charge-air pressure	1500	28,5-29,5 cm ³ /1000 strokes		
1 4 Idle regulation	375	6,0-10,0 cm ³ /1000 strokes		max. 2,0
1 5 Full-speed regulation	2700	6,0-12,0 cm ³ /1000 strokes		
1 6 Start	100	min. 35 cm ³ /1000 strokes		
1 7 Load-dependent port-closing				

2. Test Specifications		checking values in brackets ()		
2 1 Timing device	n = rev/min mm	1000 0,8-1,6 (0,5-1,9)	1500 (2,3-3,7)	2400 5,7-6,5 (5,4-6,8)
2 2 Supply pump	n = rev/min bar (kgf/cm ²)	600 2,8-3,4		2400 7,5-8,1
Overflow delivery	n = rev/min cm ³ /10 s	600 55-138 (40-153)		2400 55-138 (40-153)
2 3 Fuel deliveries				3. Dimensions for assembly and adjustment mm
Speed control lever	Rot. speed rev/min	Fuel delivery cm ³ /1000 strokes	Charge-air press bar (kgf/cm ²)	
End stop	2800 2700 2400 1500 750	max. 4,0 (5,0-13,0) 22,0-24,0 (20,7-25,3) (26,7-31,3) 26,0-29,0 (24,5-30,5)		
switch-off	70-400	0		
idle stop	375 600 400 500	(4,0-12,0) max. 4,0 min. 20,0 max. 25,0		Observations
2 4 Solenoid	cut-in voltage	min. 10 V rated voltage 12 V.		

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