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Test Specifications Distributor-type Fuel-injection Pumps

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WPP 001/4 VWV 1,6 a

3. Edition

En

VE 4/9 F 2400 R 66-3
R 66-7supersedes 6.82
company: VW
engine:0 460 494 052
0 460 494 075

Overflow temperature 45° C

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/

Testoil-ISO 4113

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	2,9-3,3 mm		
1 2 Supply pump pressure	1500	4,9-5,5 bar (kgf/cm ²)		
1 3 Full-load delivery without charge-air pressure	1500	33,0-34,0 cm ³ /1000 strokes		2,5 (3,0)
Full-load delivery with charge-air pressure	-	- cm ³ /1000 strokes		
1 4 Idle speed regulation	475	6,0-10,0 cm ³ /1000 strokes		2,5 (3,0)
1 5 Start	100	min. 38,0 cm ³ /1000 strokes		
1 6 Full-load speed regulation	2600	17,0-17,0 cm ³ /1000 strokes		
1 7 Load-dependent start of delivery	-	-		

2. Test Specifications

checking values in brackets ()

2 1 Timing device	n = rev/min mm	1000 1,3-2,1 (1,0-2,4)	1500 (2,4-3,8)	2400 6,1-6,9 (5,8-7,2)
2 2 Supply pump	n = rev/min bar (kgf/cm ²)	400 2,1-2,7		2400 7,0-7,6
Overflow delivery	n = rev/min cm ³ /10 s	500 55-138 (40-153)		2400 55-138 (40-153)

2.3 Fuel deliveries

Speed control lever	Rot. speed rev/min	Fuel delivery cm ³ /1000 strokes	Charge-air press. bar (kgf/cm ²)
End stop	2700	2,5- 9,5 (2,0-10,0)	
	2600	(10,0-18,0)	
	2400	27,5-29,5 (26,2-30,8)	
	1500	(31,2-35,8)	
	600	21,5-24,5 (20,0-26,0)	
switch-off			
elect.	400	0	
Idle stop	1200	max. 5,0	
	650	max. 6,0	
	475	(4,0-12,0)	
End stop	400	min. 18,0	
	500	max. 23,5	
2 4 Solenoid	max. cut-in voltage	xxx min. 10,0 V	
	rated voltage	12V.	

3. Dimensions

for assembly
and adjustment
mm

Designation	mm
K	3,2-3,4
KF	5,7-5,9
MS	1,3-1,5
SVS	max. 2,5
* FH	1,8-2,4
XKA	18,4-20,4
XL ^B	9,1-12,9

Observations

*operating
stroke (KSB)

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