

②

Test Specifications Fuel Injection Pumps ② and Governors

40

WPP 001/4 MAN 11,9 a 2

2. Edition

En

PES 6 P 120 A 720 LS 70-1 RQ 250/1100 PA 679
Komb.-Nr. 0 402 046 289
Values only apply to test nozzle-and-holder assembly
1 688 901 019 and fuel-injection test tubing 1 680 750 067

supersedes 12.83
company: MAN
engine: D 2866 KUL
265 kW/2200 min⁻¹

All test specifications are valid for Bosch Fuel Injection Pump Test Benches and Testers

A. Fuel Injection Pump Settings

Port closing at prestroke $2,8-2,9$ mm (from BDC) Cyl. 6; RW = $9,0-12,0$ mm
(2,75-2,95)

Rotational speed rev/min	Control rod travel mm	Fuel delivery cm ³ /100 strokes	Difference cm ³ /100 strokes	Control rod travel mm	Fuel delivery cm ³ /100 strokes	Spring pre-tensioning (torque-control valve) mm
1	2	3	4	2	3	6
750	12,7+0,1	23,0-23,2	0,5(0,9)			
250	5,6-5,8	1,2-1,8	0,8(1,2)			

Adjust the fuel delivery from each outlet according to the values in

Test 0130 4113

B. Governor Settings

Checking of slider PRG check		Full-load speed regulation				Idle speed regulation				Torque control	
Control rod travel mm	①	Setting point	Test specifications			Setting point	Test specifications			Control rod travel mm	③
rev/min	2	rev/min	Control rod travel mm	Control rod travel mm	rev/min	rev/min	Control rod travel mm	Control rod travel mm	rev/min	rev/min	12
1		3	4	5	6	7	8	9	10	11	
600	19,2-20,8	600	20,0	10,9	1145-1160	250	5,5	100	min.7,2	750	13,0-13,1
VH=	max. 46°			4,0	1185-1215			250	5,6-5,8	100	11,9-12,0
				1350	0-1,0			340-380	=2,0	965	12,6-12,8
										1010	12,1-12,4

Torque-control travel on flyweight assembly dimension a = 0,4 mm Speed regulation: At 1145-1160 min⁻¹ 1 mm less control rod travel

C. Settings for Fuel Injection Pump with Fitted Governor

Full-load delivery on governor control lever Test oil temp. 40°C (104°F)		Control rod stop	Fuel delivery characteristics		Starting fuel delivery Idle speed	
rev/min	cm ³ /1000 strokes	rev/min	rev/min	cm ³ /1000 strokes	rev/min	cm ³ /1000 strokes/mm
1	2	3	4	5	6	7
LDA 750	1,0 bar 230,0-232,0 (227,0-235,0)	-	LDA 500	0,4 bar 179,0-181,0 (176,0-194,0)	100	225,0-245,0 (221,0-249,0)
LDA 1100	1,0 bar 218,0-224,0 (215,0-227,0)		LDA 500	0 bar 128,0-130,0 (125,0-133,0)	250	12,0-18,0 (9,0-21,0)

Checking values in brackets

11.85

BOSCH

Geschäftsbereich KH, Kundendienst, Kfz-Ausrüstung
© 1980 by Robert Bosch GmbH, Postfach 50, D-7000 Stuttgart 1 Printed in the Federal Republic of Germany
Imprimé en République Fédérale d'Allemagne par Robert Bosch GmbH.