

CALIBRATION DATA CHART 5999e**INJECTION ASSORTMENT PP4M10P1f - 3478****FOR ENGINE: D 243C**

The mentioned values are for MOTORPAL Test Equipment only

30.07.2010

- A:
1. Direction of rotation RIGHT
 2. Beginning of delivery 4,0 +- 0,05 mm od/from DMP
 3. Injection order 1-3-4-2
 4. Tolerance zone +-30'
 5. Angular division 0°-90°-180°-270°

Adjusting pictures: S507*Testing liquid ISO 4113 (Shell S.9365).*

- B:
1. Injection nozzles 1688901988
 2. Injectors 1688901111
 3. Opening pressure 14,7 MPa
 4. High pressure pipes 6x2x750 mm
 5. Overpressure valve 110-150 kPa
 6. Temp. of test. liquid ISO 4113 (Shell) 40 °C

C:	Adjusting operation	Revolutions / min	No. of strokes	Delivery Q (ccm)	Difference (ccm)	Notice	Angle
1	Fuel delivery max.	1100	200	15,7-16,3	0,7	1a*, 1b* x=-1,0 mm	
2	Beginning of STOPPING	1120-1130				2*	
3	S T O P	max. 1220		0		3*	
4	Aut.START del.end	420-450				6*	
5	Corrector setting	700	200	16,2-17,0	0,9	4*	
6	Anti-corrector setting	500	200	13,4-14,6	1,2	5*	
7	Aut.START del.end	420-450				6*	
8	Start fuel delivery	100	50	7,5-8,5	0,8	8*	
9	Idle-speed del.STOP check.	400	300	6,0-6,5	1,5	7*, 7a*	
10	Fuel delivery checking	250	200	min. 7,0			
11	Idle-speed STOP	max. 490		0			
12	Op.No.1 and STOP checking	1100	200	15,7-16,3	0,7	1c*	