

# BOSCH-INJ.-PUMP TEST SPECIFICATIONS

Note inst. in remarks column

Test sheet : VW 2,0 K1  
Edition : 06.11.89  
replaces : 03.03.89  
Calibrating oil : ISO 4113  
  
Injection pump : VE 5/ 9F2250 L245  
Type number : 0 460 495 001  
Customer Part-No. :

Customer-specific information  
Customer : VW

Engine : 153T-LLK

## TEST BENCH REQUIREMENTS

Calibrating-oil  
return temp. ,C :  
with thermometer : 40...48  
electronically : 42...50

Inlet press., bar : 0,35

Calibrating nozzle-holder  
assembly : 1 688 901 000

Opening  
pressure bar : 147...150

Test inj. tubing : 1 680 750 017

Outside diameter : 6  
x Wall thickness : 2  
x Length mm : 840

Start of delivery  
Prestroke mm : -  
(from BDC): -

Injection-pump setting values  
Test specifications in parentheses

Timing-device travel:

Speed 1/min: 1500  
Charge press. hPa: 750  
Setting value mm: 3,0...3,4  
KSB solenoid-operated  
valve volt: 12,0

Supply-pump pressure:

Speed 1/min: 1500  
Charge press. hPa: 750  
Setting value bar: 6,0...6,6  
KSB solenoid-operated  
valve volt: 12,0

Full-load del. with charge press.:

Speed 1/min: 1500  
Del.quantity cm3/  
1000H.: 42,7...43,7  
KSB solenoid-operated  
valve volt: 12,0  
Dispersion cm3/ : 2,5  
1000H : (3,0)

Full-load del. w/out charge press.:

Speed 1/min : 700  
Del.quantity cm3/  
1000H.: 27,0...28,0  
KSB solenoid-operated  
valve volt: 12,0

Low-idle speed regulation:

Speed 1/min: 390  
Del.quantity cm3/  
1000H.: 10,0...12,0  
KSB solenoid-operated  
valve volt: 12,0  
Dispersion cm3/ : 2,5  
1000H.: (3,0)  
Residual-Delivery Setting  
Speed 1/min: 540  
Del.quantity cm3/  
1000H.: 2,5...3,5  
KSB-Solenoid-Operated  
valve Volt : 12,0

Full-load speed regulation:

Speed 1/min: 2525  
Del.quantity cm3/  
1000H.: 16,0...20,0  
KSB solenoid-operated  
valve volt: 12,0

Start:

Speed 1/min: 100  
Del.quantity : 37,0...48,0  
mind cm3/1000H.: -  
KSB solenoid-operated  
valve volt: 12,0

Inspection-pump test specifications  
Test specifications in parentheses

Timing-device characteristic:

L03