

### 3. Specifications

	FS 90 FC 90, 95 KM 90	FS 100, 110 FC 100, 110 HT 100, 101 HL 100 KM 100, 110	FS 130 HT 130 HT 131 KM 130
<b>3.1 Engine</b>	STIHL single cylinder four-stroke engine with mixture lubrication		
Displacement:	28.4 cm <sup>3</sup>	31.4 cm <sup>3</sup>	36.3 cm <sup>3</sup>
Bore:	38 mm	40 mm	43 mm
Stroke:	25 mm	25 mm	25 mm
Engine power to ISO 8893	0.95 kW at 7,000 rpm	1.05 kW at 7,000 rpm	1.4 kW at 8,500 rpm
Max. permissible engine speed with cut-off by ignition module:	10,500 ± 500 rpm	10,500 ± 500 rpm	10,500 ± 500 rpm
Idle speed	2,800 rpm	2,800 rpm	2,800 rpm
Clutch:	Centrifugal clutch, two clutch shoes without linings		
Clutch engages at:	3,700 rpm	3,700 rpm	3,700 rpm
Valve clearance			
Inlet valve:	0.10 mm	0.10 mm	0.10 mm
Exhaust valve:	0.10 mm	0.10 mm	0.10 mm
Valve diameter:	13.5 mm	13.5 mm	15.5 mm
Marking:	A <sup>1)</sup> E <sup>2)</sup>	A <sup>1)</sup> E <sup>2)</sup>	B or ● <sup>1)</sup> J <sup>2)</sup>
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<b>3.2 Spark plug</b>			
Type:	BOSCH USR 7AC	BOSCH USR 7AC	NGK CMR 6H
Electrode gap:	0.5 mm	0.5 mm	0.7 mm
Air gap between ignition module and flywheel:	0.15 ... 0.30 mm	0.15 ... 0.30 mm	0.15 ... 0.30 mm
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<b>3.3 Fuel System</b>			
Crankcase leakage test			
at gauge pressure:	0.5 bar	0.5 bar	0.5 bar
under vacuum:	0.5 bar	0.5 bar	0.5 bar
Carburetor leakage test			
at gauge pressure:	0.8 bar	0.8 bar	0.8 bar
Operation of tank vent			
at gauge pressure:	0.3 bar	0.3 bar	0.3 bar
Fuel:	as specified in instruction manual		
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<b>Remarks:</b>	<sup>1)</sup> install at inlet side only	<sup>2)</sup> may be installed at inlet and exhaust sides	