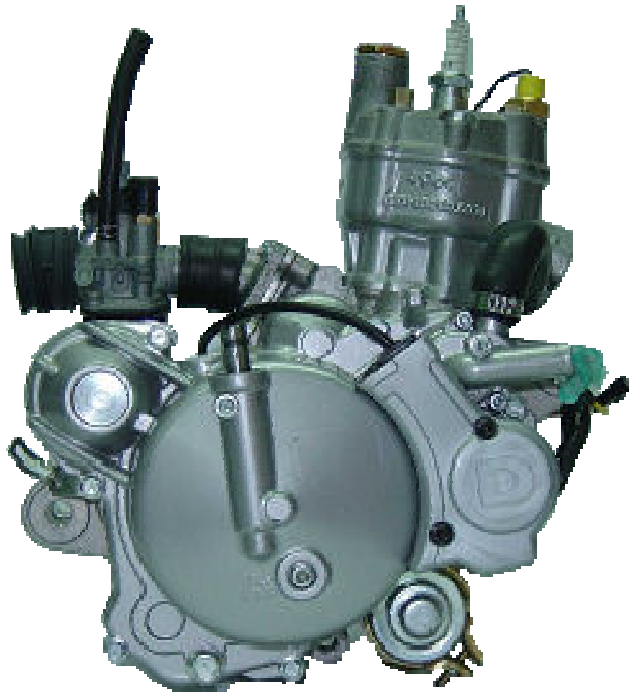


# MANUAL TRANSMISSION ENGINE

6 speed  
liquid cooled

Manual Transmission Engines



50cc  
65cc

## Manual Transmission Engines

Technical Datasheet

	50cc 6-speed L	65cc 6-speed L
<b>Thermodynamic cycle</b>	Otto 2-stroke	
<b>Displacement</b>	49,9 cc	64,9 cc
<b>Bore</b>	39,9 mm	45,0 mm
<b>Stroke</b>	40,0 mm	40,8 mm
<b>Cooling system</b>	Forced liquid cooled	
<b>Power at crankshaft @ rpm</b>	values depending on the vehicle the engine is installed on	
<b>Torque at crankshaft @ rpm</b>	values depending on the vehicle the engine is installed on	
<b>Ignition System</b>	Electronic with Capacitive Discharge (CDI) and fixed timing	
<b>Fuel feed</b>	Multi-jet carburetor	
<b>Lubrication system</b>	Automatic mixers	Oil-fuel mixture
<b>Countershaft</b>	Optionally available	Not present
<b>Transmission type</b>	6 gears - constant mesh gear	
<b>Transmission primary ratio</b>	21 / 78	
<b>Transmission sec. ratio</b>	1° - 1:3,091 (11/34) 2° - 1:2,000 (15/30) 3° - 1:1,500 (18/27) 4° - 1:1,200 (20/24) 5° - 1:1,045 (22/23) 6° - 1:0,957 (23/22)	
<b>Emission compliance</b>	EURO 2	
<b>Starting system</b>	Kick or/and electric	Kick

Piaggio reserves the right to modify the data indicated above

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