

PTS MOTORS LTD.

Engine: 400 Triple
Version: Chain Drive (with reverse)



Engine Specifications:

Reference Numbers	Parameter	Specifications
1	Engine Type	4Stroke Triple Cylinder Inline
2	No. of Cylinders	3
3	Cooling System	Forced Air & Oil cooled
4	Displacement (cc)	392
5	Bore (mm)	56
6	Stroke (mm)	53
7	Compression Ratio	9.9:1
8	Compression Pressure	12.5Kpa/Cm2
9	Valve per Cylinder	2
10	Timing Chain Type	Silent bush
11	*Peak Power	31.3HP @7500 RPM
12	*Peak Torque	30 NM @5000 RPM
13	Intake Valve Cold	0.04
14	Exhaust valve	0.05
15	Lubrication Type	Wet sump forced
1.1	Engine Oil Grade	SAE10W40 SM
1.2	Oil Sump Capacity	2.1Lit
1.3	Oil Filter Type	Paper filter with bypass valve
1.4	Oil Pump flow rate	6.2Lit/min
1.5	Max Engine Oil temp.	115±5 °C
16	Carburetor	
1.1	Manufacturer / Model	PD 26JT
1.2	Type	CV
1.3	Venturi	20
1.4	Slow Running Jet	30
1.5	Main Jet	90
1.6	Air Screw setting	2±1/4 Turn Counter Clockwise
17	Electrical System	
1.1	Ignition Type	DC, CDI
1.2	Spark Plug	CR8E
1.3	Spark Plug Clearance	0.7~0.8mm
1.4	Max. spark plug	220 ±10 °C
1.5	Starting System	Electric Start
18	Ignition Timing	
1.1	Idle @ 1400±100 RPM	3±1°
1.2	Full Advance	32±1°
19	Spark Plug	NGK CR8E
20	Spark Plug Clearance	0.7~0.8mm
21	Chaining System	Regulator
22	Transmission System	
1.1	Clutch	Multi plate wet type
1.2	Drive system	Chain Drive
1.3		
23	Gear Shift Pattern	1st↓ N 2nd↑ 3rd↑ 4th↑ 5th↑
	Reverse	
	Transmission	
1.1	Reverse Gear	Manual with chain drive
1.2	Speed Limiter for safety control	Electronic with buzzer
23	Gear Ratio	
1.3.1	1st Gear	2.85
1.3.2	2nd Gear	1.78
1.3.3	3rd Gear	1.29
1.3.4	4th Gear	1.05
1.3.5	5th Gear	0.90
1.3.6	Primary Reduction	3.63
1.3.7	Secondary Reduction	3.27
25	Engine Size	473.6x382.7x420
26	Dry Engine weight with carburetor	56

* Under standard test condition

Note: PTS Motors reserves the right to modify data indicated above without prior notice.