

PTS MOTORS LTD.

Engine: 400 Triple
Version: Chain Drive (Forward)



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	12.5Kø/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		Charging System	Regulator
22		Transmission System	
	1.1	Clutch	Multi plate wet type
	1.2	Drive system	Chain Drive
	1.3		
		Gear Shift Pattern	1st↓ N 2nd↑ 3rd↑ 4th↑ 5th↑
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	5thGear	0.90
	1.3.6	Primary Reduction	3.63
	1.3.7	Secondary Reduction	3.27
24		Engine Size (mm)LxWxH	473x382x420
25		Dry weight	55

* Under standard test condition

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