

2) SPECIFICATIONS & TECHNICAL DATA

Items	unit	G260PU	G260PUM	G231PUM	G231PUH
Type	—	Air Cooled	Water Cooled	←	Air Cooled
Bore x Stroke	mm	34x28	34x28	32x28	32x28
Displacement	cm ³	25.4	←	22.5	←
Effective Compression Ratio	—	8.8	←	←	←
Carburetor	Type (Walbro)	WT-645	WT-644	←	WT-643
	Venturi (mm)	∅12.7	←	←	←
Air Cleaner		—	—	—	Dry Type
Starting	—	Hand flipping or Electric Motor	Recoil Starter	←	←
Ignition	Type	CDI	←	←	←
	BTDC°/rpm	28/7000	30/7000	←	←
Spark Plug	STD	RZ7C	CMR7H	←	RZ7C
	Option	—	CMR6H	←	—
Idle Speed	rpm	1800 APC 18x8	3500	←	3000
Max. Power	kW/rpm	1.62/12000	2.16/12000	2.09/12000	1.58/13000
Max. Torque	N·m/rpm	1.48/9000	1.94/9500	1.79/10000	1.34/9000
Fuel Consumption	g/kW·H	790	710	720	700
Weight	kg	1.69 (* 1.52)	1.54	1.55	1.77 (* 1.58)

(*): Without Muffler

Specifications are subject to change without notice.

3) MAINTENANCE SPECIFICATIONS

	Items	G260PU/PUM		G231PUM/PUH		Measuring Device	Remarks
		Standard	Limit	Standard	Limit		
Cylinder	Bore (mm)	∅34	Plating damaged	∅32	Plating damaged	Eye Checking	
Piston	Diameter (mm)	∅33.97	∅33.87	∅31.97	∅31.87	Micro Meter	At the skirt end and the right angle to the piston pin.
	Piston Ring Groove width (mm)	1.01	1.11	1.01	1.11	Thickness Gauge	
	Piston Pin Hole (mm)	∅8.01	∅8.05	∅8.01	∅8.05	Cylinder Gauge	
	Clearance between Piston and Cylinder (mm)	0.03~0.06	0.15	0.03~0.06	0.15	Micro Meter Cylinder Gauge	
	Clearance between Groove and Piston Ring (mm)	0.02~0.04	0.1	0.02~0.04	0.1	Thickness Gauge	
Piston Ring	End Gap (mm)	0.05~0.25	0.5	0.05~0.25	0.5	Thickness Gauge	When inserted in a new cylinder.
	Width (mm)	0.98	0.93	0.98	0.93	Micro Meter	
	Piston Pin Diameter (mm)	∅8	∅7.98	∅8	∅7.98	Micro Meter	
	Connecting Rod Small end (mm)	∅11	∅11.05	∅11	∅11.05	Cylinder Gauge	
Crankshaft Dia. at Main Bearing (mm)		∅12	∅11.98	∅12	∅11.98	Micro Meter	
	Eccentricity (mm)	—	0.07	—	0.07	Dial Gauge	
	Axial Play (mm)	—	0.5	—	0.5	Thickness Gauge	
	Main Bearing	—	Gritty or Feels Flat Spot	—	Gritty or Feels Flat Spot	—	

4) CARBURETOR

Items	Unit	Standard	Measuring Device
Metering Lever set	mm	1.65 ± 0.16	Vanier
Inlet Valve Opening Pressure	MPa	0.13~0.23	Leak Tester
	kg/cm ²	1.3~2.3	
Inlet Valve Closing Pressure	MPa	0.07~0.17	Leak Tester
	kg/cm ²	0.7~1.7	

5) IGNITION SYSTEM

Items		Standard	Limit	Measuring Device	Remarks	
Spark Plug Air Gap (mm)		0.6~0.7	0.7	Thickness Gauge		
Ignition Coil/Rotor Air Gap (mm)		0.3	0.4	Thickness Gauge		
Coil Resistance (Ω)	Source Coil	1160-71211	∞ / 185Ω	—	Volt Meter	Coil core – Red wire / Coil core – Black wire
		2629-71210	∞ / 255Ω	—		Coil core – Red wire / Coil core – Black wire
	Ignition Coil	2629-71311	2.1kΩ	—	Volt Meter	Sparkplug wire – Red wire
			0.1 Ω	—		Red wire – Earth core
			2.1 kΩ	—		Sparkplug wire – Earth core

6) TIGHTENING TORQUE

Items	Screw Size	Standard		Limit		Remarks
		N·m	kg·cm	N·m	kg·cm	
Carburetor	M5 (P=0.8)	3.4	35	2.9~3.9	30~40	
Insulator	M5 (P=0.8)	4.4	45	3.9~4.9	40~50	
Rotor	M8 (P=1.0)	12.7	130	9.8~14.7	100~150	
Cylinder	M5 (P=0.8)	6.9	70	4.9~8.8	50~90	
Crankcase	M5 (P=0.8)	5.9	60	4.9~6.9	50~70	
Spark Plug	M10 (P=1.0)	10.8	110	8.8~12.8	90~130	
Muffler	M5 (P=0.8)	8.8	90	6.9~9.8	70~100	
IG Coil	M4 (P=0.7)	1.8	18	1.5~2.0	15~20	
SO Coil	M4 (P=0.7)	1.8	18	1.5~2.0	15~20	
Recoil Starter	M4 (P=0.7)	1.8	18	1.5~2.0	15~20	
Propeller (hub)	M6 (P=1.0)	9.8	100	7.8~11.8	80~120	with Locktight glue
Water Jacket	M3 (P=0.5)	1.5	15	1.0~2.0	10~20	
Mount Plate	M5 (P=0.8)	3.9	40	3.4~4.4	35~45	