



Petrol Engine (EFI) Model: ZC-XTPPF060A

Specification:

Engine Type	4-stroke 25° single-cylinder with air-cooled
Starting System	Electric and Recoil
Fuel Type	Gasoline (Petrol)
Fuel Tank Capacity	6.5 Litre
Fuel Consumption/H	4 Litre (Depend on the Load)
Engine Oil Capacity	1.1 Litre
Bore*stroke(mm)	92*69
Displacement(ml)	460
Compression ratio	8.5:1
Max power output(kw/rpm)	12 kw / 3600 rpm
Recommended power (kw/rpm)	11 kw / 3600 rpm
HP	16 HP
Max torque(N.m/rpm)	32 N.m / 2880 rpm
Ignition system	Non-contact transistorized ignition(TCI)
Air cleaner	Semi-dry or oil bath type
Ignition Control System	
Training Program to be Performed	
Hall-effect sensor	
Optoelectronic sensor	
Ignition contact-breaker	

Ignition with distributor	
Static ignition	
Electrical test	
Troubleshooting	
Should have two-colored schematic diagram with 4 LEDs for locating the various tested components	
Schematic diagram should emphasize the following principles	
ignition with rotating electromechanical distributor	
static ignition with lost spark	
Control unit with variable speed should consists of	
Electric motor	
wheel of 29 teeth + 1 empty for electromagnetic sensor	
wheel with phase reference for Hall-effect sensor	
coded wheel with 4 references for optical sensor	
cam for enabling the mechanical contact	
Interconnection and test points - Ø2 mm	
Power Supply Unit	
Regulated voltage, electronically protected against short-circuits and overloads	
Knob facility for selecting desired voltage	
Output 1	1.3Vdc ÷ 24Vdc, 1A
Output 2	24Vac - 0 - 24Vac, 0.5A
Output 3	+5Vdc - 2A
Output 4	+12Vdc - 2A
Output 5	-12Vdc - 1A
Power source	220~230V AC, 50Hz, 1 Phase