

## Section I Principal Technical Specifications

### A. Technical Specifications

Items	Specifications	
Model	ZS1125(CY28)	ZS1130(CY30)
Type	Single-cylinder, four-stroke, horizontal type	
Combustion chamber	Direct injection	
Cylinder bore	125mm	130mm
Piston stroke	120mm	
Piston displacement	1.473L	1.592L
Piston average speed	8.8m/s	
Compression ratio	16	
12hr. output/rated speed	18.36kW/2200r/min	19.36kW/2200r/min
1hr. output/rated speed	20.6kW/2200r/min	22kW/2200r/min
BMEP	748kPa	729.3kPa
Specific fuel consumption	$\leq 254.2\text{g/kW}\cdot\text{h}$	
Specific lube oil consumption	$\leq 2.72\text{g/kW}\cdot\text{h}$	
Cooling method	Water evaporative	
Starting method	Hand cranking	
Fuel injecting pressure	$18.13 \pm 0.49\text{kPa}$ ( $185 \pm 5\text{kgf/cm}^2$ )	
Net weight	$\leq 195\text{kg}$	$\leq 210\text{kg}$
Overall dimensions(L×W×H)	887×464×688mm	
Valve clearance(in cool state)		
Intake valve	$0.35 \pm 0.05\text{mm}$	
Exhaust valve	$0.45 \pm 0.05\text{mm}$	
Fuel injector	Model PF68S19	
Injection nozzle	Model ZCK155S529A	
Fuel injection pump	Model AK individual type	