

DIESEL ENGINE



R180 (8Hp)



S195 (12Hp)

Model	R180	S195
Type	Single Cylinder , Four Stroke , Horizontal	
Bore x Stroke	80 x 80	95 x 115
Total Displacement (L)	0.402	0.815
Compression Ratio	21±1	20
Rated Power Speed (rpm)	2600	2200
Cooling System	Condenser	
Starting System	Hand Cranking	
Net Weight (kg)	72	150



S1100N (16Hp)
ZS1110N (18Hp)



S1100N (16Hp)
(Electric Starter)

ZS1110N (18Hp)
(Electric Starter)

Model	S1100N	ZS1110N
Type	Horizontal 4 Stroke	
Combustion	DI (Vortex)	
Bores x Trip	100 x 115	110 x 115
Compression Ratio	19.5	17
1-hour rated output (kw/r/min)	12.13/ 2200	14.56/ 2200
12-hour rated output (kw/r/min)	11.03/ 2200	13.24/ 2200
Fuel Consumption (g/kw.h)	258.5	257.4
Oil Consumption	2	2.04
Cooling mode	Condenser	
Starting System	Hand Cranking	
Dimension	93 x 44 x 74/96 x 44 x 74 (Condensation)	
N. W.	150	190
G. W.	165	205