

TA2

12HP AIR- COOLED BARE ENGINE

ENGINE TYPE:

Vertical, double cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		2
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	1.324
Compression Ratio		17.5 : 1
Rated Output	kW(hp)	8.83(12)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.057 (5.730)
Torque at full load (Camshaft drive)	kN-m(kg-m)	0.115 (11.459)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	195 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	7.2 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	11.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	684 X 527 X 825
Engine Weight (dry) with all fittings excluding packaging	(kg)	250
Rotation while looking at the flywheel		Anticlockwise
Power Take-off		Flywheel end
Starting		Hand Start/Electric Start
Governing		Class "B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output