

TV1

7HP WATER- COOLED BARE ENGINE

[Product Code: 18.1324]

ENGINE TYPE:

Vertical, single cylinder, water-cooled, four-stroke cycle, compression ignition diesel engine.



TECHNICAL SPECIFICATION

No. of Cylinders		1
Bore x Stroke	(mm)	87.5 X 110
Cubic Capacity	(Ltr)	0.661
Compression Ratio		17.5 : 1
Rated Output as per IS: 11170	kW(hp)	5.2(7)
Rated Speed	rpm	1500
Torque at full load (Crankshaft drive)	kN-m(kg-m)	0.033 (3.342)
Crankshaft Center Height	(mm)	203
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185 +5%
Lub Oil Consumption		0.8 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.7 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	6.5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	617 X 504 X 877
Engine Weight (dry) with all fittings excluding packaging	(kg)	160
Rotation while looking at the flywheel		Clockwise
Power Take-off		Flywheel end.
Starting		Hand Start
Governing		Class"A2/B1"
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output