

TV1-NW4+

7HP WATER - COOLED PUMPSET
[Product Code: 18.1176]

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)	.661
Compression Ratio		17.5 : 1
Rated Output as per IS: 11170	kW(hp)	7.4(10)
Rated Speed	rpm	1500
Specific Fuel Consumption (SFC)	(gm/hp-hr)	185
Lub Oil Consumption		1 % of SFC
Lub Oil Sump Capacity	(Ltr)	3.3 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"B1" for agricultural purposes
Type of fuel injection		Direct Injection
Overloading capacity of engine		10% of the rated output

Pump Specification: (Pump Type - Centrifugal)

Pump Model	Pipe Size (mm)		Rated Speed (RPM)	Imp Dia.(mm)	Total Head In Metres								Power Rating	
	Suc	Del			6	7.0	9.0	10.0	11.0	12.0	13.0	14.0	kW	HP
Water Discharge Capacity In Litres Per Second														
Nw4+	100	100	1500		36.0	33.0	31.1	29.0	26.7	23.5		5.2	7	