

# AV1XL-N1

## 5HP WATER - COOLED PUMPSET

[Product Code: J1.1008]

### 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 80
Cubic Capacity	(Ltr)	0.481
Compression Ratio		17:1
Rated Output as per IS: 11170	kW(hp)	3.7(5)
Rated Speed	rpm	1500
Specific Fuel Capacity (SFC)	(gm/hp-hr)	176
Lub Oil Consumption		0.5% of SFC max.
Lub Oil Sump Capacity	(Ltr)	1.8 at higher level mark on dipstick
Fuel Tank Capacity	(Ltr)	5
Overall Dimensions of the standard engine (Length X Width X Height)	(mm)	420X460X630
Engine Weight (dry) with all fittings excluding packaging	(kg)	85
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			11	12.4	13	14	15	16	17.6	18	kW	HP
<b>Water Discharge Capacity In Litres Per Second</b>														
N1	80	65	1500	221	20.5	19.4	17.6	15.9	14.0	10.0		3.7	5	