

# AV1XL-N2

**8HP WATER - COOLED PUMPSET**  
 [Product Code: J1.1009]

**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)	5.88(8)
Rated Speed	rpm	2200
Specific Fuel Capacity (SFC)	(gm/hp-hr)	178
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			15	16.1	17	18	19	20	21	22.3	kW	HP
<b>Water Discharge Capacity In Litres Per Second</b>														
N2	80	65	2200	184	23.7	23.1	22.5	21.8	19.3	16.9	13.7	5.88	8	