

# TAF1-NW2+

## 6HP AIR - COOLED PUMPSET

[Product Code: 20.1223]

### ENGINE TYPE:

Vertical, single cylinder, air -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)      | 0.662                                |
| Compression Ratio  |            | 17.5 : 1                             |
| Rated Output as per IS: 11170  | kW(hp)     | 4.42(6)                              |
| Rated Speed  | rpm        | 1500                                 |
| Specific Fuel Consumption (SFC)  | (gm/hp-hr) | 195 +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<br>(Length X Width X Height) | (mm)       | 531 X 546 X 856                      |
| Engine Weight (dry)<br>with all fittings excluding packaging           | (kg)       | 163                                  |
| Rotation while looking at the flywheel                                 |            | Clockwise                            |
| Power Take-off   |            | Flywheel end.                        |
| Starting   |            | Hand Start                           |
| Governing  |            | Class"B1"                            |
| 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 |                   |              | 12                   | 12.8 | 13.0 | 14.0 | 15.0 | 16.0 | 17.6 | 18.0 | kW           | HP |
| <b>Water Discharge Capacity In Litres Per Second</b> |                |     |                   |              |                      |      |      |      |      |      |      |      |              |    |
| NW2+   | 80             | 65  | 1500              | 223          | 21.5                 | 20.8 | 19.3 | 17.9 | 16.0 | 13.0 |      | 4.42 | 6            |    |