

DM20

10HP WATER- COOLED BARE ENGINE

[Product Code: D2.1002]

ENGINE TYPE:

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



TECHNICAL SPECIFICATION

| | | |
|---|------------|--------------------------------------|
| No. of Cylinders | | 2 |
| Bore x Stroke | (mm) | 102 X 116 |
| Cubic Capacity | (Ltr) | 1.896 |
| Compression Ratio | | 17.5 : 1 |
| Rated Output as per IS: 11170 | kW(hp) | 14.72(20) |
| Rated Speed | rpm | 1500 |
| Torque at full load (Crankshaft drive) | kN-m(kg-m) | 0.095 (9.549) |
| 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) | 7.2 at higher level mark on dipstick |
| Fuel Tank Capacity | (Ltr) | 11.5 |
| Overall Dimensions of the standard engine (Length X Width X Height) | (mm) | 685 X 532 X 850 |
| Engine Weight (dry) with all fittings excluding packaging | (kg) | 297 |
| 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 |