

# DA10

## 10HP AIR- COOLED BARE ENGINE

### ENGINE TYPE:

Vertical, single cylinder, air -cooled, four-stroke cycle, compression ignition diesel engine.



### TECHNICAL SPECIFICATION

|   |            |                                      |
|---|------------|--------------------------------------|
| No. of Cylinders  |            | 1                                    |
| Bore x Stroke   | (mm)       | 102 X 116                            |
| Cubic Capacity  | (Ltr)      | 0.948                                |
| Compression Ratio   |            | 17.5 : 1                             |
| Rated Output  | kW(hp)     | 7.4(10)                              |
| Rated Speed   | rpm        | 1500                                 |
| Torque at full load (Crankshaft drive)                              | kN-m(kg-m) | 0.048 (4.775)                        |
| Crankshaft Center Height  | (mm)       | 203                                  |
| Specific Fuel Consumption (SFC)                                     | (gm/hp-hr) | 195                                  |
| Lub Oil Consumption   |            | 0.8 % of SFC                         |
| Lub Oil Sump Capacity   | (Ltr)      | 3.7 at higher level mark on dipstick |
| Fuel Tank Capacity  | (Ltr)      | 11.5                                 |
| Overall Dimensions of the standard engine (Length X Width X Height) | (mm)       | 516 X 524 X 878                      |
| Engine Weight (dry) with all fittings excluding packaging           | (kg)       | 194                                  |
| Rotation while looking at the flywheel                              |            | Anticlockwise                        |
| Power Take-off  |            | Flywheel end.                        |
| Starting  |            | Hand Start/Electric Start            |
| Governing   |            | Class"A2/B1"                         |
| Type of fuel injection  |            | Direct Injection                     |
| Overloading capacity of engine                                      |            | 10% of the rated output              |