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S.F.C.

For Excellent Performance

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the products manufactured by us meet the highest quality standards and have been guided by policy which compasses the vision to be best in our value system and business ethics.



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brief specification

Type: Vertical, totally Enclosed, Water Cooled, Single Cylinder, Four Stroke Cycle, Compression Ignition, Cold Starting Diesel Engine.

Engine Combustion: Direct Fuel Injection in Open Type Combustion Chamber Provided In an Aluminum Piston Crown In Combination With Long Stem Multi hole Nozzle; results In Low Fuel Consumption and Easy Starting.

Lubrications: Force Feed Lubrications By Plunger Type Pump Incorporating Full Flow Filter To Large End Bearing. Main Bearings, being Taper Roller Type Need No Separate Supply. Other Moving Parts are Splash Lubricated.

Cylinder Head: High Grade Cast Iron with Smooth Air & Exhaust Ports Clear Water Jackets For Perfect Cooling.

Cylinder Liner: Special Grade High Wear Resistant Cast Iron

Rotation: Standard Rotation Is Clockwise When Looking At The Flywheel End.

Cooling: Engine Cooling Can Be Arranged By Run Through Water System Or Cooling Tank.

Drive: Standard Power Take Off If From Flywheel Side At Full Speed. It Can Be Provided from Gear End At Half Speed.

Crankshaft: Designed With Integrated Balance Weight And Is Fitted with Taper Roller Bearings for Long Life & With Provision Of Taper Degree for Flywheel Fitment.

Fuel System: High Speed Diesel Oil Is Supplied To The Fuel Pump By Gravity Feed Through Wire mesh Filter In Tank And Efficient Paper Type Element Filter Before Pump. There Is One More Filter(Inbuilt) in Injector Inlet

Exhaust-System: A Silencer Of Standard Type (peeper pot) is Fitted For Adequate Silencing

Air Cleaner: Oil Bath Type, Large Capacity For Efficient Filtration

Lub Oil: SAE -30-40 or Equivalent Grade.

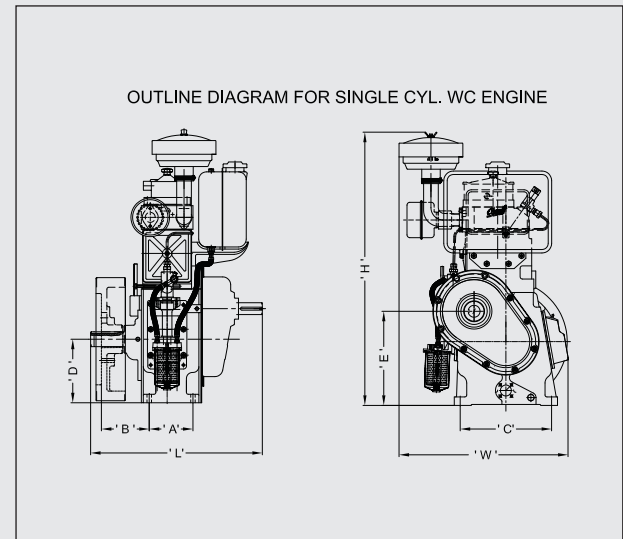
Standard Accessories: Air cleaner, exhaust silencer, starting handle, set of spanners and screw driver.

Optional: To avoid over loading, provision for head adjustment by variable speed drive.

Starting: Engine Is Designed For Starting By Hand Cranking With The Help Of Starting Handle

technical data

Particulars	CUB 3.5W	CUB 5W
Method of Cooling	Water Cooled	
No. of Cylinder	1	
Rated Power - B. H. P. / kW	3.5 / 2.6	5/3.68
Bore (mm)	80.0	
Stroke (mm)	62.0	
Rated R. P. M.	2050	2600
Swept Volume (CC)	311	
Compression Ratio	17.5:1	
Method of Starting	Hand Start	
Engine Rotation	Standard Clockwise	
Fuel Tank Capacity	4.0 Lts.	
Sp. Fuel Consumption gms / bhp - hr	199	
Sp. Fuel Consumption gms / kWhr	270	
Lubrication System	Plunger Pump	
Lub. Oil Sump Capacity (Lts.)	1.000	
Crank Shaft Height (mm)	140	
Engine Net Weight (kg)	54	
Pump Set Net Weight (kg)	82	



IS:11170

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