



INDRAMARSHAL®

WATER COOLED DIESEL ENGINE FOR PUMPSETS

IM 8.5

IM 10

IM 12



Improving Agriculture, Improving Lives.

ENGINE SPECIFICATION

- ▶ **TYPE:**
Vertical, totally enclosed, compression ignition, four-stroke cycle, cold starting, water-cooled diesel engine.
- ▶ **COMBUSTION :**
Open type combustion chamber in an aluminium alloy piston in combination with long- stem nozzle, resulting in low fuel consumption and easy starting.
- ▶ **FUEL SYSTEM :**
Fuel is supplied to the fuel pump by gravity feed through the fuel tank and an efficient fuel filter.
- ▶ **COOLING:**
Engine cooling is arranged by run-through water supply or radiator/tank cooling.
- ▶ **ROTATION :**
Standard rotation is clockwise from facing the flywheel
- ▶ **STARTING :**
Hand start.
- ▶ **STANDARD EQUIPMENT:**
Starting handle, exhaust silencer, air cleaner, set of tools.
- ▶ **OPTIONAL:**
Flexible coupling pulley key type or drum type, extension shaft and foundation bolts.

TECHNICAL DATA

Engine Model	IM 8.5	IM 10	IM 12
No. of Cylinders	1	1	1
Bore x Stroke (mm)	95X110	102X116	114.3X116
Cubic Capacity (Ltr.)	0.780	0.948	1.280
Compression ratio	17.5:1	17.5:1	17.5:1
Rated output Kw(HP) 1500 RPM as per IS:11170:1985	6.25(8.5)	7.4(10)	
SFC (gm/kw-h)	251	251	251
Fuel Tank Capacity (Ltr.)	11.5	11.5	11.5
Lube Oil Sump Capacity (Ltr.)	3.75	3.75	3.75
Overall dimensions of standard engine	length (mm) width (mm) height (mm)	685 532 850	685 532 850
Crankshaft center height (mm)	203.2	203.2	203.2
Lubrication	Gear Pump	Gear Pump	Gear Pump
Governing	B1	B1	B1
Dry weight of engine with flywheel (kg)	177	177	215