

AIR COOLED DIESEL ENGINE FOR PUMPSETS

Irrigating Smiles

IM A65

IM AT1



INDRA MARSHAL POWER PVT. LTD.

GREEN SUSTAINABLE AGRICULTURE

SPECIFICATION

- ▶ **TYPE:**
Vertical, single cylinder, Air-cooled totally enclosed, compression ignition, four-stroke cycle, cold starting, aircooled 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 from the fuel tank and an efficient fuel filter.
- ▶ **Lubrication:**
Lubrication through gear Pump other working parts are splash lubricated. By-pass filter is provided for cleaning the lubricating oil
- ▶ **SFC (gm/kw-h) : 251**
- ▶ **Fuel Tank Capacity (Ltr.): 6.5**
- ▶ **Lube Oil Sump Capacity (Ltr.) 3.3**
- ▶ **OPTIONAL :**
Flexible coupling, pulley key type or drum type, water cooling arrangement, extension shaft.
- ▶ **GOVERNING :**
Class 'B1' for Agro-industrial applications.
- ▶ **ROTATION :**
Standard rotation is clockwise from the flywheel end. Engines with anti-clockwise rotation can be built against specific requirement.
- ▶ **STARTING :**
Hand start.
- ▶ **Power Take off :**
Standard power take off is from flywheel side. In case of special requirement, power take off from gear end at half or full engine speed, can be provided.
- ▶ **STANDARD EQUIPMENT :**
Starting handle, exhaust silencer, air cleaner, set of tools.

TECHNICAL DATA


Engine model		IM A65	IM AT1
No. of cylinders		1	1
Bore x stroke (mm)		85 x 110	87.5 x 110
Cubic capacity (ltr)		0.624	0.661
Compression ratio		16.5:1	17.5:1
Rated output kW(hp) as per IS:11170-1985	1500 rpm	4.8 (6.5)	5.2 (7)
SFC (gm/kw-h)		251	251
Overall dimensions of standard engine	length (mm) width (mm) height (mm)	617 504 843	617 504 877
Crankshaft center height (mm)		203.2	203.2
Dry weight of engine with flywheel (kg)		130	136

Manufactured By : Indra Marshal Power Pvt. Ltd

(Formerly known as Indra Marshall Oil Engines)

Regd. Office & Works : 13 B, Sector - 'A', Industrial Area, Sanwer Road, Indore - 452015 (M.P.)

Tel. +91-731-3314111 / 114, Fax : +91-731-3314104, Toll Free : 1800 200 5003

Email : care@indramarshal.com, indramarshall@yahoo.co.in,  +91-9111999700

Website : www.indramarshal.com

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