



### Technical Specification

Engine Model	PN - 2-BG	PN - 3-BG	PN - 4-BG	PN - 4T-BG	PN - 6T-BG
<b>Power at 1500 RPM (BHP)</b>	22	30	42	63	94
<b>No. of cylinders</b>	2	3	4	4	6
<b>Bore x Stroke (mm)</b>	110 x 123	110 x 116	110 x 120	110 x 120	110 x 116
<b>Swept Volume (Lts.)</b>	2376	3307	4561	4561	6614
<b>Aspiration</b>	Natural	Natural	Natural	Turbo Charged	Turbo Charged
<b>Lub Oil Sump Capacity</b>	5	7.5	11	12	15
<b>Governor</b>	MICO RSV Class A-2 (Mechanical)				

### ENGINE

**PRAKASH** water cooled, Spark Ignition, 4-Stroke, 1500 rpm continuous rating, heavy duty, multi-cylinder, Engine, Specially designed and engineered to operate with gases obtained from bio methane plants or gasifiers. A specially designed automatic air and fuel controller and mixing system is provided to take care of efficient, smooth working of engine from no load to full load. These engines operate smoothly at vast combinations of bio gases at negative suction up to 80 mm of water column hence root blower is not required and gases can be fed at normal available pressure. These are inclusive of the followings,

- 12 V Starter
- Radiator with Fan and water Pump
- Lub Oil Filter
- Flywheel suitable for Genset (Heavy)
- Panel with Charging Ammeter, Oil Pressure gauge, water temperature gauge and starting switch
- Battery Charging Alternator
- Air / gas mixture regulator
- Heavy Duty Air Filter
- Industrial Silencer

## OPTIONAL

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The following features can be provided on extra charges

- ▶ Auto Mains Failure System
- ▶ Safty Devices (Alarms/Auto)
- ▶ Single Phase Alternators
- ▶ Brushless Alternators
- ▶ Battery

## Note

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- ▶ Due to continuous developments the above specification are subjected to change without prior notice.
- ▶ For power de-ration due to changing composition of gases , altitude , temperature and inlet depration contact us.
- ▶ Maximum Hydrogen Sulfide(H<sub>2</sub>S) not above 0.2 % , CO not above 20 % , CO<sub>2</sub> not above 15 % maximum mosisture 8% ,minimum available methane 60 to 100 % .(Ratings provided at 80 % methane )
- ▶ The excess presence of non combustion able gases will reduce the power rating of the engine without any predetermination.