

## Diesel Engine For Gen set.

---



### MEERACO DIESEL ENGINES

With an experience of over five decades, Meeraco is a leading manufacturer of Diesel Engines in India. We have state-of-art manufacturing unit in Ludhiana and an established after sales network across northern India (Punjab, Delhi, Haryana). Its wide range of products includes Engines and Generators that come with soundproof acoustic hoods and are known for dependable power wherever, whenever required , fully warranted with Single Window Service Network. Meeraco is also equipped to customize its solutions, according to the individual and industrial power requirements. Meeraco B-Series Engine are known for being fuel efficient and have a long operational life, with world-class features like Highly Balanced Multi Cylinder Engines that help in reducing vibration & noise. These unique engines provide complete customer satisfaction.

### THE SCOPE OF SUPPLY INCLUDES:

- Rigid long skirted cylinder block enhances service life of engine
- Simple design for ease of maintenance (saving on cost and time)
- Modular construction for commonality of parts

- Meets current emission standards
- Induction hardened alloy steel cam shaft for accurate valve timing control
- EPDM hose pipes for long life
- Integral shaft water pump
- Pressurized lubrication of gear train for low noise & better life
- Cogged v-belt which helps eliminating slippage & transmission losses
- Low sump capacity leading to better life cycle costs
- Liners-Plateau honed
- A1 class governing with 4% regulation for genset application
- Bosch fuel system with mechanical governor
- Coolant Reservoir

*TECHNICAL SPECIFICATIONS FOR DIESEL ENGINE*

Make	Meeraco	Meeraco	Meeraco	Meeraco	Meeraco	Meeraco
Model	A-1921 G	B-011 G	B-101 G	B-110 G	B-209 G	B-308 G
POWER (BHP)	25.5	42	57	77	99	158
TYPE/CLASS OF GOVERNING	MECH/A1	MECH/A1	MECH/A1	MECH/A1	MECH/A1	MECH/A1
NO OF STROKE	4	4	4	4	4	4
NO OF CYLINDER	2	3	3	3	3	4
CONFIGURATION	Inline	Inline	Inline	Inline	Inline	Inline

SPEED(RPM)	1500	1500	1500	1500	1500	1500
ASPERATION	NATURAL	TCI	TCI	TCI	TCI	TCI
ENGINE FIRING ORDER	1-2	1-3-2	1-3-2	1-3-2	1-3-4-2	1-5-3-6-2 -4
BOREx STROKE (MM)	105×118	105×118	105×118	105×118	105×118	105×118
DISPLACEMEN T (LTRS)	2.044	3.066	3.066	3.066	4.088	6.132
COMPRESSION RATIO	18:1	16:1	16:1	16:1	16:1	16:1
FAN TYPE	PUSHER	PUSHER	PUSHER	PUSHER	PUSHER	PUSHER
AIR CLEANER TYPE	DRY/ELEMENT	DRY/ELEMENT	DRY/ELEMENT	DRY/ELEMENT	DRY/ELEMENT	DRY/ELEMENT
COOLING	WATER	WATER	WATER	WATER	WATER	WATER
HIGH WATER TEMP SAFETY LIMIT	95°C	95°C	95°C	95°C	95°C	95°C
HIGH WATER TEMP TRIP	98°C	98°C	98°C	98°C	98°C	98°C
COOLANT CAPACITY	10	14	14	14	17	20

(LTRS)

COOLANT TYPE	60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL	
	60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL	
	60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL	
	60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL	
	60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL		60% WATER + 40% ETHULENE GLYCOL	

LUBEOIL SUMP

CAPACITY	6	11	11	11	14	19
----------	---	----	----	----	----	----

(LTRS)

LUBEOIL CONS

AT RATED	0.003%	0.003%	0.003%	0.003%	0.003%	0.003%
----------	--------	--------	--------	--------	--------	--------

SPEED

LUBEOIL RECOMENDED	CF4/15W40	CF4/15W40	CF4/15W40	CF4/15W40	CF4/15W40	CF4/15W40
-----------------------	-----------	-----------	-----------	-----------	-----------	-----------

LUBEOIL PRESSURE TRIP	1.1 BAR	1.1 BAR	1.1 BAR	1.1 BAR	1.1 BAR	1.1 BAR
--------------------------	---------	---------	---------	---------	---------	---------

LUBEOIL

CHANGE	50/400	50/400	50/400	50/400	50/400	50/400
--------	--------	--------	--------	--------	--------	--------

INTERVAL

SYSTEM VOLTAGE AND TYPE	12V/ELECTRIC AL	12V/ELECTRI CAL	12V/ELECT RICAL	12V/EL ECTRIC AL	12V/ELECTRICA L	12V/ELEC TRICAL
-------------------------------	--------------------	--------------------	--------------------	------------------------	--------------------	--------------------

EXHAUST

DIAMETER (MM)	56	56	56	56	56	70
DRY WEIGHT WITH STD ACC.	375	375	375	375	425	425
LENGTH (MM)	700	800	800	800	950	1250
WIDTH (MM)	555	600	600	600	600	700
HEIGHT (MM)	835	915	915	915	915	1000
COMPLIANCE (EMISSION)	CPCB II	CPCB II	CPCB II	CPCB II	CPCB II	CPCB II