

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

| | | | | | | |
|-----------------------|---------------|---------------|--------------|--------------|-------------|-----------------|
| 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 |
| DISPLACEMENT 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 T | DRY/ELEMENT T | DRY/ELEM ENT | DRY/EL EMENT | 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)

| | | | | | | |
|---------|-------------|-------------|----------|-------|--------------|----------|
| | | | | 60% | | |
| | 60% WATER + | 60% WATER + | 60% | WATER | | 60% |
| COOLANT | 40% | 40% | WATER + | + 40% | 60% WATER + | WATER + |
| TYPE | ETHULENE | ETHULENE | 40% | ETHUL | 40% ETHULENE | 40% |
| | GLYCOL | GLYCOL | ETHULENE | ENE | GLYCOL | ETHULEN |
| | | | GLYCOL | GLYCO | | E GLYCOL |
| | | | | L | | |

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 | | | | CF4/15 | | |
| RECOMENDED | CF4/15W40 | CF4/15W40 | CF4/15W40 | W40 | CF4/15W40 | CF4/15W40 |

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

LUBEOIL

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

INTERVAL

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

EXAUST

| | | | | | | |
|-----------------------------|---------|---------|---------|---------|---------|---------|
| 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 |