

## Industrial Diesel Engine Model A – 172 D

### Meeraco Diesel Engines

With an experience of over five decades, Meeraco is a leading manufacturer of Industrial 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 A-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)

Make	Meeraco	Meeraco	Meeraco	Meeraco	Meeraco	Meeraco	Meeraco	Meeraco
Model	A-172D	A-262D	A-403D	A-514D	A-573TD	A-773TDI	A-774TDI	A-984 TDI
BHP	17	26	40	51	57	77	77	98
Working Principle	4 Stroke	4 Stroke	4 Stroke	4 Stroke	4 Stroke	4 Stroke	4 Stroke	4 Stroke
Layout of Cylinders	In-line	In-line	In-line	In-line	In-line	In-line	In-line	In-line
Firing Order	1-2	1-2	1-3-2	1-3-4-2	1-3-2	1-3-2	1-3-4-2	1-3-4-2
No. of	2	2	3	4	3	3	4	4

Cylinders								
Bore x Stroke ( mm )	95×110	95×110	95×110	95×110	95×110	95×110	95×110	95×110
Displacement ( Ltrs. )	1.56	2.044	3.066	4.088	3.066	3.066	4.088	4.088
Rated Speed ( RPM )	1500	1500	1500	1500	1500	1500	1500	1500
Compression Ratio	18:1	18:1	18:1	18:1	16:1	16:1	16:1	16:1
Governor Type	A1-Class	A1-Class	A1-Class	A1-Class	A1-Class	A1-Class	A1-Class	A1-Class
SFC (Gms/Bhp-Hr )	171	165	163	162	155	152	160	158
Lub oil specification	CF 4 – 15 W 40	CF 4 – 15 W 40	CF 4 – 15 W 40	CF 4 – 15 W 40	CF 4 – 15 W 40	CF 4 – 15 W 40	CF 4 – 15 W 40	CF 4 – 15 W 40
Lub. Oil Consumption (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Aspiration	Natural	Natural	Natural	Natural	Turbo Charged	Turbo Charged Intercooled	Turbo Charged	Turbo Intercooled
Oil Sump Capacity ( Ltrs.)	6	6	7	9	7	7	10	9

Cooling	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Coolant Capacity ( Ltrs.)	10	10	14	15	16	16	20	20
Exhaust pipe size ( mm )	65	65	65	65	65	65	80	80
Size ( mm )	675×555×795	675×555×795	675×555×795	675×555×795	675×555×795	675×555×795	675×555×795	675×555×795
Weight ( Kg )	250	250	350	450	370	370	460	470
Emission Compliance	as per ISO 8178 (Part-3 )	as per ISO 8178 (Part-3 )	as per ISO 8178 (Part-3 )	as per ISO 8178 (Part-3 )	as per ISO 8178 (Part-3 )	as per ISO 8178 (Part-3 )	as per ISO 8178 (Part-3 )	as per ISO 8178 (Part-3 )
Battery Rating V/AH	12V/88AH	12V/88AH	12V/88AH	12V/120AH	12V/120AH	12V/120AH	12V/120AH	12

- 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