



GOLDEN

Diesel Engines®



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Function:

This series of combustion diesel engines are powerful yet compact, horizontal type, air cooled in 4 HP model and water-cooled in 6.5 HP, 16 HP, 18 HP, 20 HP, 23 HP, 25 HP, 27 HP, 30 HP, 32 HP, 34 HP, 36 HP diesel engines, making it ideal for commercial and agricultural usage. These are single cylinder 4-stroke diesel engines, specifically engineered and designed for convenient handling and smooth running.

Application:

These engines are used as a prime mover for operating other machines i.e. water pumps, grain processing machinery, small engineering machinery, generators, tractors, three wheelers, boats etc. by using v-belt pulley, flat belts or by direct coupling. These engines are available in simple models for starting by hand and in special models having function of self-start for easy startup.



Installation:

Spacious room is required to ensure protection and better performance of engine. The room should be flat, airy (ventilated) and well-lit. The silencer may have an extended pipe to keep the smoke/noise away.

Performance Chart:

HP	4	6.5	16	18	20	23	25	27	30	32	34	36
MODEL	170 F	R 175 A	SD 1100	SD 1105	SD 1110	SD 1110 L	SD 1115	SD 1120	SD 1125	SD 1130	SD 1135	KM186
RATED POWER / SPEED (KW/RPM)	3.2/2600	4.85/2600	11/2200	11.75/2200	13.2/2200	14.75/2200	16.2/2200	17.6/2200	18.38/2200	20.2/2200	22/2200	24/2200
FUEL CONSUMPTION RATIO (G/KW.H)	< 289.0	< 280.2	< 262.5	< 250.2								≤ 252
HEAD TORQUE (KG/M)	5	14	18	18	18	18	18	35	45	45	45	35
TORQUE OF CONNECTING ROD BOLT (KG/M)	3	6	12	12	12	12	14	14	14	14	14	14
FUEL CONSUMPTION (LT/H)(WITHOUT LOAD)	0.75	1.00	1.00	1.25	1.25	1.25	1.50	1.50	1.50	1.50	1.50	1.60
REQUIRED MOBILE OIL PER ENGINE (LT)	1.1	2.0	4.5	5.0	5.0	5.0	5.0	5.0	5.5	5.5	5.5	6
COOLING METHOD	Air Cooling	Water Pump Cooling										
STARTING METHOD	Hand Cranking / Electric Starting											
NET WEIGHT (KG)	41	60	171	195	198	203	207	221	307	305	308	276
GROSS WEIGHT (KG)	50	65	185	209	212	217	221	241	323	325	335	290
APPLICATIONS	Water Pumps, Grain Processing Machinery, Generators, Tractors, Three Wheelers, Boats etc.											

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