



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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