



## Product Specification

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# HATZ

## 3M4I (106E)

### Design

- Air cooled 2, 3 and 4cylinder four stroke Diesel engines.
- Grey cast iron crankcase, grey cast iron vertical inline cylinders.
- Crankshaft and condor running on shellbearing.
- Individual cylinders (grey cast iron), individual cylinderheads (light metal) and individual injection pumps.
- Removal of piston and condor possible in upwards direction.
- Direct injection with multihole nozzle.
- Control of valves by rockers, pushrods, tappets and camshaft.
- Separate camshaft for drive of injection pumps with centrifugal variable speed governor and automatic injection timer.
- Pressure lubrication system with gear pump. Oil cooler and replaceable filter element in main flow.
- Axialtype blower fan with integrated alternator.



### Characteristics

- The Diesel engine ready for installation and operation.
- All purpose industrial Diesel engines.
- Extremely low fuel and oil consumption.
- Exhaust emission well below all valid limits for operating machines in EU, USA and Japan .
- Robust, and long lived engine.
- Extensive parts inter changeability due to modular system.
- Low repair cost due to individual cylinders, individual cylinderheads and individual injectionpumps.
- Unusual reliability because of:
  - Automatic belt control
  - Automatic extra fuel device
  - Drytype airlifter, protected against severe contamination
  - Gearwheels to drive camshafts and oil pump
- Easy to service because of:
  - Automatic injection pump bleeding
- Operating and maintenance points at one engine side only
- Hydraulic belt tensioned

Cylinder	3
Power (kW)	28 kW
Engine Displacement	2.574 ltr
Piston Displacement	2574 cm <sup>3</sup>
Dry Weight (Kg)	330 Kg
Lenght	753 mm
Width	570 mm
Height	733 mm