



**Central  
Diesel**

The Engine, Pump & Power Co.

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# Product Specification

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# Hatz

## IB30V (303VE)

### Design

- Air-cooled single-cylinder 4-stroke Diesel engine.
- Horizontal cylinder.
- Light alloy diecast cylinder crankcase.
- Light alloy cylinder head.
- Forged crankshaft.
- Light alloy piston for low free forces of gravity.
- Lubrication by pressurised circulation of oil, fine screen filtering in main flow.
- Valve control by rocker, push-rods, tappets and camshaft.



### Characteristics

- Direct injection.
- Compression from 1:20.5 to 1:22. Good cold start performance.
- Fuel orientated mixture preparation. Result: excellent exhaust quality. Certificates from EPA and CARB.
- Speed regulation by spring-loaded governor. Proportionality < 5% at 3000 / 3600 r.p.m.
- The control cover houses the governor, the entire valve drive, the injector pump drive, the automatic decompression system and oil pump.
- Oil drain on both (narrow) sides of the engine. This gives free access of at least one drain position for almost all installations.
- Dry air filter with paper cartridge and integrated pre-cleaner.
- Cooling fan and AC generator incorporated in the flywheel (not sensitive to dust).
- Exhaust outlet flexible as regards both position and direction of exit.

Cylinder	1
Power (kW)	4.1 kW
Engine Displacement	0.347 ltr
Piston Displacement	347 cm <sup>3</sup>
Dry Weight (Kg)	45 Kg
Length	460 mm
Width	370 mm
Height	367 mm

