



**Central  
Diesel**

The Engine, Pump & Power Co.

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# Product Specification

Central Diesel provides these specifications as a courtesy and are a guide only. They have been sourced from the manufacturer and may change without notice. Central Diesel accepts no responsibility for any errors or omissions.



# HATZ

## IB20 (100B)

### Design

- Air-cooled single-cylinder 4-stroke Diesel engine.
- Vertical 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 and tappets.



### Characteristics

- Direct injection.
- Compression from 1:21 to 1:22. Good cold start performance.
- Fuel orientated mixture preparation. Result: excellent exhaust quality. EPA/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 and 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).
- 4 separate engine feet permit mounting on uneven foundations. Differences of level of up to 1 mm can be corrected.
- Exhaust outlet flexible as regards both position and direction of exit.

<i>Cylinder</i>	<i>1</i>
<i>Power (kW)</i>	<i>2.8 kW</i>
<i>Engine Displacement</i>	<i>0.243 ltr</i>
<i>Piston Displacement</i>	<i>243 cm<sup>3</sup></i>
<i>Dry Weight (Kg)</i>	<i>40 Kg</i>
<i>Lenght</i>	<i>272 mm</i>
<i>Width</i>	<i>361 mm</i>
<i>Height</i>	<i>401 mm</i>