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A250Z (275kVA) **Hydrogen** Genset

Ultra Clean Energy **with 50% Fuel Savings.**



The Axis A250Z is a cutting-edge, zero-emission, ultra-low fuel consumption 275kVA 3-phase hydrogen generator designed for high-demand applications—from AI data centers to critical commercial backup. Powered by the innovative Axis A34B-Z engine, a 3-liter super-turbo, dual-induced Axis boxer engine producing ~280bhp at 1,500rpm, the A250Z delivers unmatched performance and reliability.

Built for longevity and engineered for efficiency, this (zero-emission) gen-set offers a sustainable power solution without compromising on output. Contact us today for pricing and technical details.

Save thousands per year in fuel costs - with zero-emissions, for your plant's clean energy requirements.

Generator Specifications

- Maximum Power Rating: 275 kVA
- Minimum Power Rating: 250 kVA
- Voltage: 200 to 400 Volts
- Protection Class: IP23
- Frequency: 50 Hz / 60Hz
- Speed: 1,500 rpm
- Duty Cycle: Standby, Prime



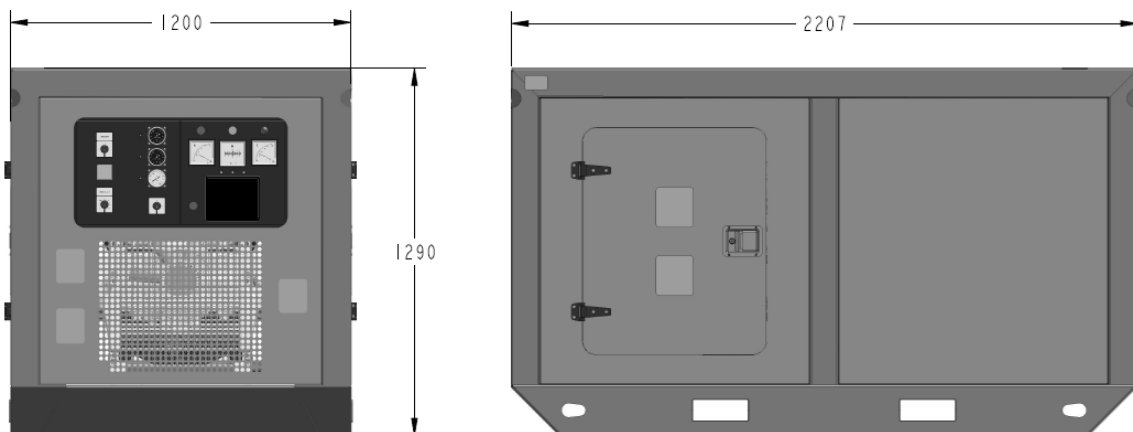
Engine Specifications

- Engine Model: A34BZ, B-4, 2-Stroke Water-Cooled Hydrogen
- Engine Type: Axis 2-Cycle Dual Induction
- Bore: 99 mm | Stroke: 97.5 mm
- Displacement: 3 Liters
- Firing Order: 1-3-2-4
- Compression Ratio: 20:1
- Aspiration: Forced Induction (super-turbo) after-cooled
- Fuel System: High-pressure direct injection
- Fuel consumption: ~0.65kg per hour (8-hour run-time per tank fill)
- Governor Type: Electronic
- Fuel Type: Grade 4.5 Hydrogen (up to 350bar)
- Oil Grade: Castrol Vectron 15W40 CK-4/NG
- Lubrication System: Wet Sump
- Exhaust System: Axis HRT-Manifold-CCR
- Cooling System: Mechanical



The A250Z gen-set comes with an optional 5kg (100-litre) MOF Axis "adsorption stack" - type-4 pressure vessel - fuel tank.
Mains fuel connection & bypass valves included as standard

Dimensions:



NET WEIGHT: ~1,535KG, MAX WEIGHT: 1,620KG

Disclaimer:

All performance figures stated are based on experimental data and are subject to change or update, as per ongoing company development. Axis gensets conform to: CEI 2-3, IEC 34-1, EN 60034-1, VDE 0530, BS 4999-5000, CAN/CSA-C22.2 No14-95- No100-95.

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