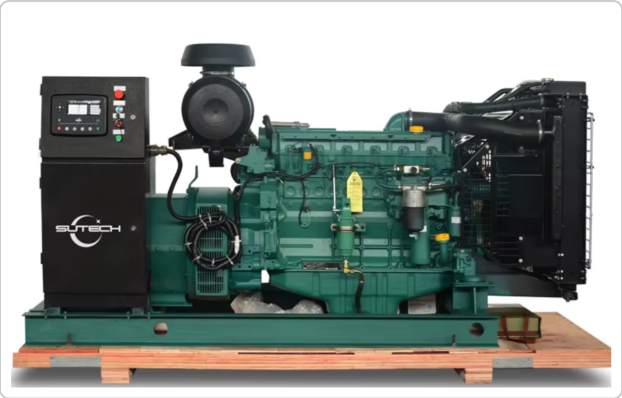


Category: Power Generators

Volvo Penta TAD530GE 80 kW Diesel Generator

Ratings & Electrical

- Prime Power: 80 kW / 100 kVA
- Standby Power: ~88 kW / 110 kVA
- Frequency: 50 Hz
- Speed: 1500 rpm
- Voltage: 400/230 V (3-phase)
- Power Factor: 0.8 (lagging)
- Alternator Insulation: Class H
- Voltage Regulation: ±1%

Engine / Mechanical

- Engine Model: Volvo Penta TAD530GE
- Configuration: 4-stroke, 4-cylinder, inline, turbocharged & aftercooled
- Displacement: 4.76 L

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- Bore × Stroke: 108 mm × 130 mm
- Compression Ratio: 17.5 : 1
- Lubricating Oil Capacity: ~13 L
- Coolant Capacity: ~18 L

Fuel & Consumption

- Fuel Type: Diesel
- Fuel Consumption @100% Load: ~20 L/h
- Fuel Consumption @75% Load: ~15 L/h
- Fuel Tank Capacity: ~250 L (typical enclosure)

Cooling, Exhaust & Air

- Exhaust Gas Temperature: ~450 °C
- Exhaust Gas Flow: ~12 m³/min
- Max Exhaust Back Pressure: 10 kPa
- Cooling System: Radiator-cooled, tropical rating

Physical Dimensions & Weight

- Dimensions (L × W × H): ~2400 mm × 1000 mm × 1500 mm
- Weight (approx.): ~1200 kg (open set)

Alternator & Control

- Alternator Frame: Stamford or equivalent, Class H insulation
- Control Panel: Volvo/DeepSea electronic controller
- Features: Monitoring, protection & optional auto-start/stop

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