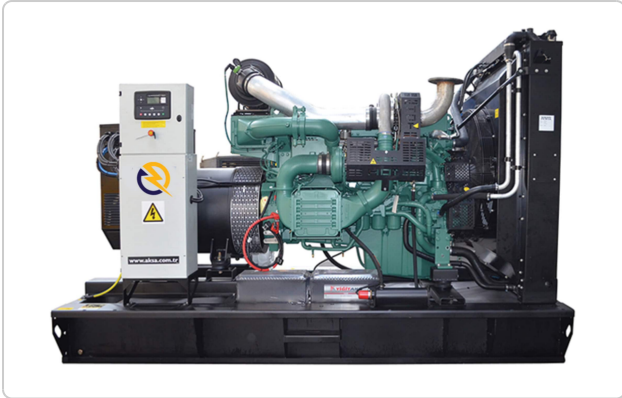




**Category: Power Generators**

# **Volvo TAD532GE 145 kVA Diesel Generator Set**

## **Ratings & Electrical**

- Prime Power: 116 kW / 145 kVA
- Standby Power: ~128 kW / 160 kVA
- Frequency: 50 Hz
- Speed: 1500 rpm
- Voltage: 400/230 V (3-phase)
- Power Factor: 0.8 (lagging)
- Alternator Insulation: Class H
- Voltage Regulation:  $\pm 1\%$

## **Engine / Mechanical**

- Engine Model: Volvo TAD532GE
- Configuration: 4-stroke, 6-cylinder, inline, turbocharged & aftercooled
- Displacement: 6.0 L

- Bore × Stroke: 108 mm × 130 mm
- Compression Ratio: 17.5 : 1
- Lubricating Oil Capacity: ~18 L
- Coolant Capacity: ~25 L

## Fuel & Consumption

- Fuel Type: Diesel
- Fuel Consumption @100% Load: ~32 L/h
- Fuel Consumption @75% Load: ~24 L/h
- Fuel Tank Capacity: ~400 L (typical enclosure)

## Cooling, Exhaust & Air

- Exhaust Gas Temperature: ~470 °C
- Exhaust Gas Flow: ~18 m³/min
- Max Exhaust Back Pressure: 10 kPa
- Cooling System: Radiator-cooled, tropical rating

## Physical Dimensions & Weight

- Dimensions (L × W × H): ~2800 mm × 1200 mm × 1700 mm
- Weight (approx.): ~1800 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