

3.2 MW

 ISO RATED OUTPUT

ABB Mobile Gas Turbine Generator Set



Pictured on a 53 ft trailer (57 ft overall), 8'6" wide, 13'6" high, weighing 90,000 lbs, featuring a heavy-duty steel drop deck with 52" gooseneck, four 25,000 lb air-ride axles, ABS air brakes, and DOT-compliant lighting.

Power & Performance

TOTAL OUTPUT
3.2 MW (ISO Rated)

PRIME MOVER
Gas Turbine

THERMAL EFFICIENCY
29.0%

HEAT RATE
11,967 BTU/kWh

FUEL CONSUMPTION
2,028 lb/hr

HEAT INPUT
41 MMBTU/hr

Turbine Engine

COMPRESSOR
7 Axial + 1 Radial Stage

GAS PRODUCER
2 Stages

POWER TURBINE
2 Stages

PRESSURE RATIO
8.8 : 1

EXHAUST FLOW
28.3 lbm/sec

EXHAUST TEMP.
1,190 °F

Generator

MANUFACTURER
ABB

OUTPUT CAPACITY
4,021 kW

VOLTAGE
13.8 kV

FREQUENCY
60 Hz

POWER FACTOR
0.8

SPEED
1,800 RPM

CONFIGURATION
3-phase, 4-wire wye

Electrical & Switchgear

SWITCHGEAR
13.8 kV MV Air-Insulated

CIRCUIT BREAKER
1200A Fixed Mounted

PROTECTION
Beckwith 3425 / Basler BE-3-25
EasyGen backup system

GROUNDING
High-impedance

LOAD SHARING
Woodward EasyGen Governor

Environment & Fuel

OPERATING TEMP.
-40 °C to 85 °C

FUEL TYPE
Natural Gas

FUEL QUALITY
800–1250 BTU/SCF
29.82–46.59 MJ/m³

LOAD DUMP CAPABILITY
Sustains up to 80%

Compliance

DESIGNED FOR
Onshore operation

EPA CLASSIFICATION
Reconstructed Engine
40 CFR Part 60
Subparts GG & KKKK

TRANSPORT
Meets applicable DOT
transportation & safety standards