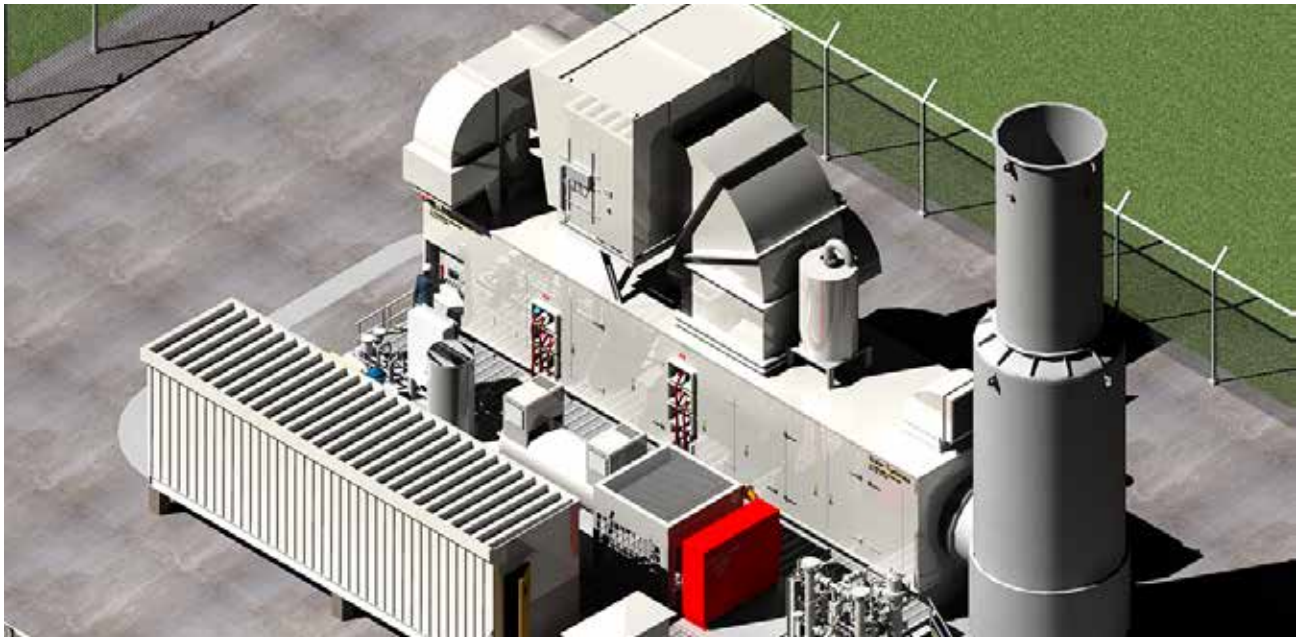


# TITAN 130 GAS TURBINE MODULAR POWER PLANT

Power Generation



## Complete System Solution

- Standardized Modular Design with Compact Footprint
- Reduces Design, Construction, and Installation Time
- Reliable, Low-Cost, Onsite Continuous Duty or Peaking Power
- Repowers New or Aging Facilities and Augments Existing Plants
- Wide Ambient Range and High Dust Environment Options

## Operational Features

- 15 MWe Single-Shaft Titan™ 130 Industrial Gas Turbine Generator Set
- Complete Electrical Equipment Room with HVAC
- Low Voltage Motor Control Center
- Utility Grade Switchgear and Protective Relay Module
- Low Voltage Step-Down Transformer for Auxiliary Loads
- Turbine and Switchgear Battery and Charger

- Liquid Fuel and Gas Fuel Skid
- Service Air Unit
- Neutral Grounding Resistor
- Range of Control System Options for Remote Operation and SCADA Integration
- KVAR Control for Excellent Reactive Power Control Capability
- Turbine Inlet and Enclosure Air Filtration Support
- Black Start Capable Generator Option

## Easy to Install

- Completely Modular Design for Rapid Set Up
- Plug-and-Play Mechanical and Electrical Interconnection
- Reduced Site Work and Shortened Construction Schedules
- Easy Access for Customer Connections

## Environmentally Friendly

- Low Emissions State-of-the-Art

- SoLoNOx™ Dry Low NOx Combustion System (Optional)
- Sound Attenuated Packages

## Flexible

- Substantial Cost Savings versus Traditional Custom Design Engineering
- Dual-Fuel Capability (Natural Gas or No. 2 Diesel)
- Easy to Add Additional Power Blocks to Augment Existing Plant
- Financing Options Available

## Customer Support

A comprehensive care package can be tailored to meet your individual project specifications.

- Start-Up and Commissioning
- Maintenance Programs
  - Maintenance Service Agreements
  - Full Service Agreements
  - Equipment Health and Maintenance Management
- Remote Monitoring and Diagnostics with InSight System™

**Solar® Turbines**  
A Caterpillar Company

# TITAN 130 GAS TURBINE MODULAR POWER PLANT

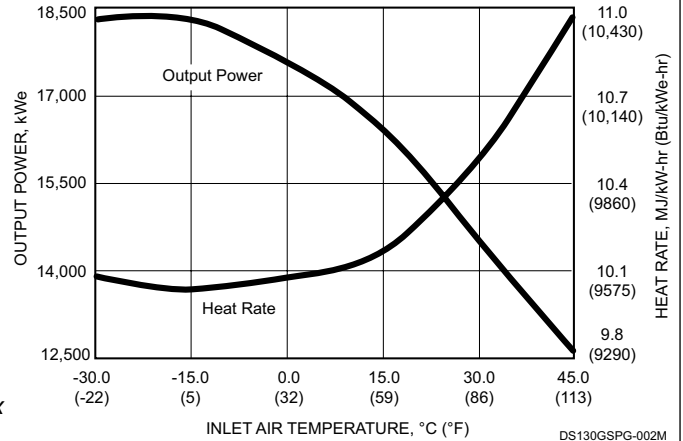
## Power Generation

### Performance\*

|              |                                       |
|--------------|---------------------------------------|
| Output Power | 16 450 kWe                            |
| Heat Rate    | 10 130 kJ/kWe-hr<br>(9605 Btu/kWe-hr) |

\* Nominal Rating - per ISO at 15°C (59°F), sea level  
 No Inlet/exhaust losses  
 Relative humidity 60%  
 Natural gas fuel with LHV = 35 MJ/Nm<sup>3</sup> (940 Btu/scf)  
 No accessory losses  
 Engine efficiency 35.5%  
 (measured at generator terminals)

### Available Power\*

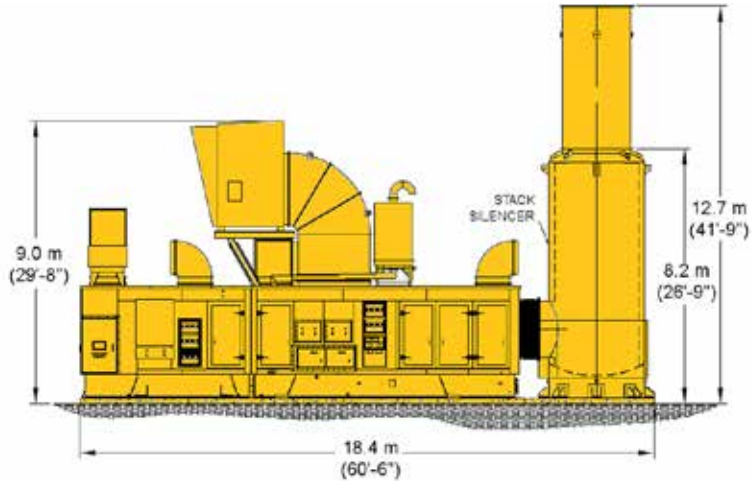


\* SoLoNOx

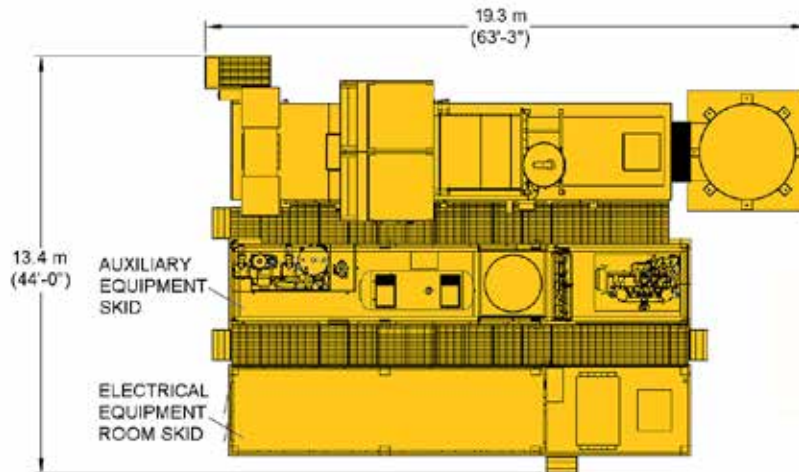
DS130GSPG-002M  
DS130MPP-001

## Package Layout and Dimensions

SIDE VIEW



PLAN VIEW



DS130MPP-002

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