

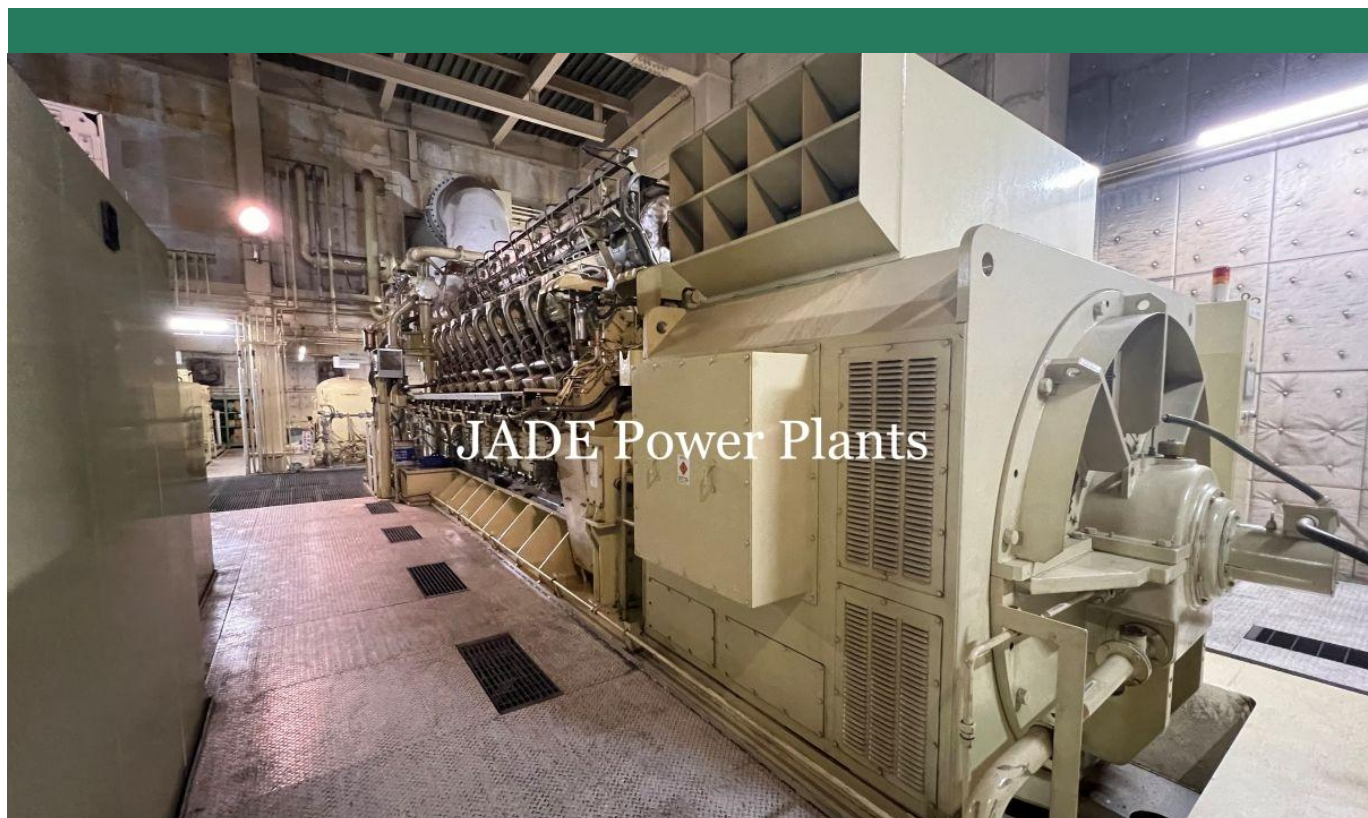


JADE Power Trading
Quality Energy Equipment

PRODUCT
BROCHURE
REF.
11012026

MITSUBISHI GAS GENERATOR 5.5 MW 18KU30GA MACH-30G WITH BOP

5.5 MW | 6.6 kV | 60 Hz | Year 2003



5.5 MW
ELECTRICAL OUTPUT

6.6 kV / 60 Hz
GENERATOR OUTPUT

18KU30GA
MACH-30G ENGINE

APPROX. 30,000
h
OPERATING HOURS

LOW OPERATING HOURS • NATURAL GAS / LOW-CALORIFIC GAS • COMPLETE BOP

EQUIPMENT OVERVIEW

Complete Mitsubishi medium-speed gas generating unit with Nishishiba alternator and associated balance-of-plant systems.

COMPLETE MITSUBISHI GAS GENERATING UNIT

Available for sale is a complete Mitsubishi gas engine generating unit based on the Mitsubishi 18KU30GA MACH-30G series gas engine coupled to a Nishishiba NTAKL-DEP synchronous generator. Designed for continuous-duty power generation, the plant delivers approximately 5.5 MW at 6.6 kV / 60 Hz. The engine series is capable of operating on standard natural gas and also on low-calorific gases.

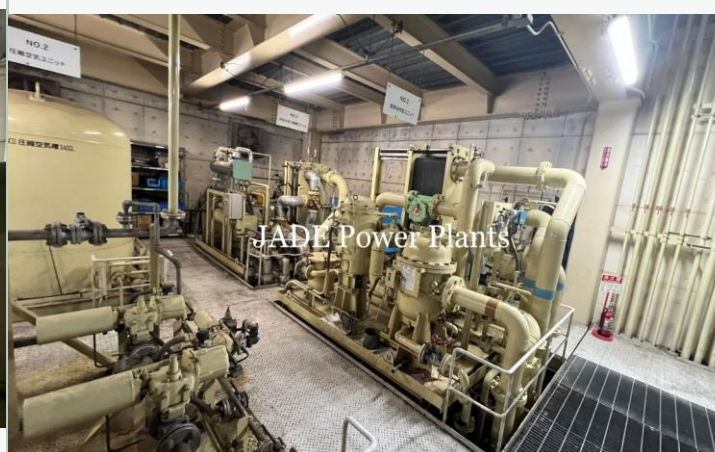
The MACH-30G applies Mitsubishi advanced Micro-Pilot combustion technology, providing high fuel efficiency, low emissions and strong operational reliability. With approximately 5.7 MW engine output, robust medium-speed construction and a proven operating history in power-generation applications, the unit represents a dependable and cost-effective source of electrical power.

The delivery includes the foundation-mounted engine and generator package together with the principal mechanical and electrical auxiliary systems required for power-plant operation. The package is suitable for relocation, refurbishment or redeployment in utility and industrial energy projects, subject to inspection and final battery-limit confirmation.

Mitsubishi 18KU30GA gas generating set



Pic 3



TECHNICAL SPECIFICATIONS

Technical data provided for preliminary sales and project evaluation.

PARAMETER	SPECIFICATION
Manufacturer	Mitsubishi Heavy Industries
Generating set type	18KU30GA
Engine series	MACH-30G
Manufacturing year	2003 / 2006
Total operating hours	Approx. 30,000 hours
Rotation speed	720 rpm
Fuel	Natural gas and low-calorific gases
Engine output	Approx. 5.7 MW
Electrical output	5.5 MW / 6.6 kV / 60 Hz
Alternator	Nishishiba NTAKL-DEP
Generator type	Synchronous generator
Combustion technology	Mitsubishi Micro-Pilot
NOx emissions	Approx. 30 ppm at 15% O ₂ (1/3 TA Luft)
Duty	Continuous-duty power generation
Installation	Foundation-mounted engine and generator package
Mechanical auxiliaries	Cooling water, lube oil, gas fuel and starting-air systems
Electrical auxiliaries	Controls, synchronization, switchgear and protection
Application	Utility and industrial base-load generation
Availability	Available for inspection and relocation

Performance note: Final output, emissions and fuel-gas suitability depend on site conditions, gas composition, auxiliary loads, maintenance status and agreed testing procedures. Detailed OEM documentation should be reviewed during technical due diligence.

SCOPE OF SUPPLY & CONTACT

The following scope is based on the currently available sales information and remains subject to final confirmation.

INCLUDED EQUIPMENT ✓ Foundation-mounted Mitsubishi 18KU30GA engine and Nishishiba generator package ✓ Engine cooling-water system ✓ Lube-oil system ✓ Gas-fuel supply system ✓ Starting-air system ✓ Engine control and protection system ✓ Generator control, synchronization and protection equipment ✓ Electrical switchgear and protection systems ✓ Exhaust-gas silencing and combustion-air systems ✓ Engine auxiliary skids and local control panels	DELIVERY & INSPECTION – Complete gas generating set with balance of plant – Inspection available by prior arrangement – Suitable for relocation, refurbishment or redeployment – Final battery limits and detailed equipment list subject to confirmation – Dismantling, preservation, packing and transport may be arranged separately – Technical documentation and additional photographs available on request – Final commercial and delivery terms subject to contract
--	--

DELIVERY & SITE INTEGRATION

Final relocation engineering must address foundation design, fuel-gas quality and pressure, cooling-water interfaces, starting-air requirements, ventilation, exhaust routing, medium-voltage protection, synchronization philosophy, cable routing and destination-site controls integration. All battery limits and installation responsibilities must be agreed in the final contract.

REQUEST FURTHER INFORMATION

Commercial quotation, additional photographs, detailed scope clarification, technical documentation and inspection arrangements are available on request.

Company: JADE Trading Oy / JADE Power Trading
Contact: Mr. Jari Kartano
Telephone: +358 50 374 6777
Email: info@jade.fi
Address: Sörnäistenlaituri 5, Helsinki, Finland
Reference ID: 11012026
Web: www.jadepowerplants.com



SCAN FOR ONLINE LISTING

All information is provided in good faith for preliminary evaluation and is subject to verification, final scope confirmation and contract.