



NEW MHI 18KU30GSI GAS ENGINES For Immediate Sale

20 units of **MHI 18KU30GSI GAS ENGINES** are available **for immediate sale**.

Features:

- 5.75 MW each
- high thermal efficiency 47.3% even at part load
- capacity not affected by ambient temperature
- Fast start-up 5 to 10 minutes
- Negligible capacity degradation due to aging
- Small footprint
- Natural Gas Fuel



Contact:

Mr. TAY, KU WAH
TNB REPAIR & MAINTENANCE SDN. BHD.
Level 7 & 8, Wisma TNB, No.19, Jalan Timur,
46000 Petaling Jaya, Selangor, Malaysia.

DL: +603 7964 2750
Fax: +603 7960 8006 / 8028
Email: taykw@tnb.com.my

Hunting Line: +603 7964 2600
HP: +6019 380 8468



Gas Engine

MACHII-SI

MITSUBISHI ADVANCED ENGINE
Clean & High Efficiency

Combining the latest technology with Mitsubishi's proven history of engine development: the MACHII-SI generates World Class efficiency at 47.3%*.



Key features:

- Industry leading overall plant efficiency for Power Generation and Heat Recovery.
- Ideal design for Combined Heat and Power (CHP) plants.
- Advanced technology optimizes combustion and electronic control systems.
- Exceptionally rapid ramping and starting readily manage fluctuating loads.
- Performs very well at higher temperatures and elevations.
No de-rating below 600 m (1,968 ft) elevation or 35 deg C (95 deg F).
- Short delivery timelines; generally less than 8 months for a standard package.
- Multi-engine plants deliver unmatched part load heat rates and plant efficiency.
- Plant controls allow independent engine dispatch producing superior availability.

*In accordance with ISO 3046

General Comparison Gas Turbine VS Gas Engine

		Gas Turbine	Gas Engine
1	Delivery	1 – 1.5 Years	6 months
2	Construction & Investment	Based on long-term power demand forecast, single large investment	Expandable by adding module as demand pick up, invest as and when needed
3	Site Area	Large	1/3 of GT site area
4	Start Up	45 minutes	5 – 10 minutes



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TNB REMACO

5	Efficiency	30-40%, Lower heat rate at part load	45-48%, efficiency unchanged at part load
6	Ambient Conditions	Poor performance at unfavourable ambient conditions,	No change in performance due to ambient conditions
7	Aging	Large capacity and efficiency degradation over time	Negligible output degradation over time
8	O & M	Short interval between maintenance due to start-stops and trippings, longer inspection down time	Maintenance independent of start-stops, trippings