

SPECIFICATION (MEGANINJA / GS16R2-PTK, 1500min⁻¹, 1.5MW)

Rated Power	
Output	1875kVA 1500kW (Min. Load 50%)
Frequency	50Hz
Voltage	400V / 6600V / 10000V / 11000V
Power factor	0.8 lagging

※Parallel Operation between Gen-sets is available

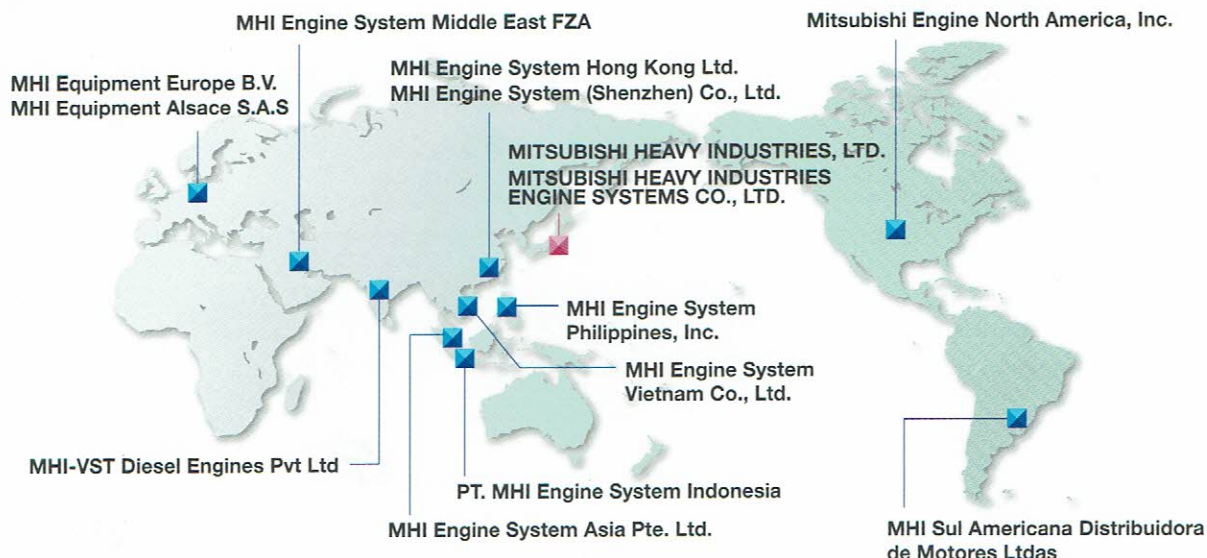
Ambient Condition	
Temperature	0~40°C
Altitude	Less than 150m
Humidity	Less than 85%
Installation	Outdoor use
NOx regulation	Less than 320ppm (at 0% O ₂ , Methane number 80)
Noise (at 1m)	85 ~ 90dB(A)

Dimension	
A Gen-set	40Ft High cube container
• Length	12192mm
• Width	2438mm
• Height	2896mm
• Program design weight	30t
B CHP	20Ft High cube container
• Length	6058mm
• Width	2438mm
• Height	2896mm
• Program design weight	13t

Gas Engine	
Model	GS16R2-PTK
Fuel gas	Natural gas
• Pressure	100kPa ~ 300kPa
• Consumption	347.8Nm ³ /h +5% tolerance. (at LHV 36.47MJ/Nm ³ , Methane number 80, P.F 0.9)
Lub.oil	Exxon Mobil Pegasus 1005
Speed	1500min ⁻¹
Speed regulation	30% Load on
	100% Load off
	Permanent 5%
	Instant 15%
Recovery time	15sec
Cooling system	Radiator cooling system (air-cooled)

Alternator	
Type	Self ventilation, brush-less excitation
Protection degree	IP22
Cooling method	IC01
Insulation	Class F
Connection	3Phase 3Wire Star (with neutral)

World Wide Service Network



MITSUBISHI HEAVY INDUSTRIES, LTD.

Our Technologies, Your Tomorrow

Arie Greenbaum
M.Sc., M.A. Law

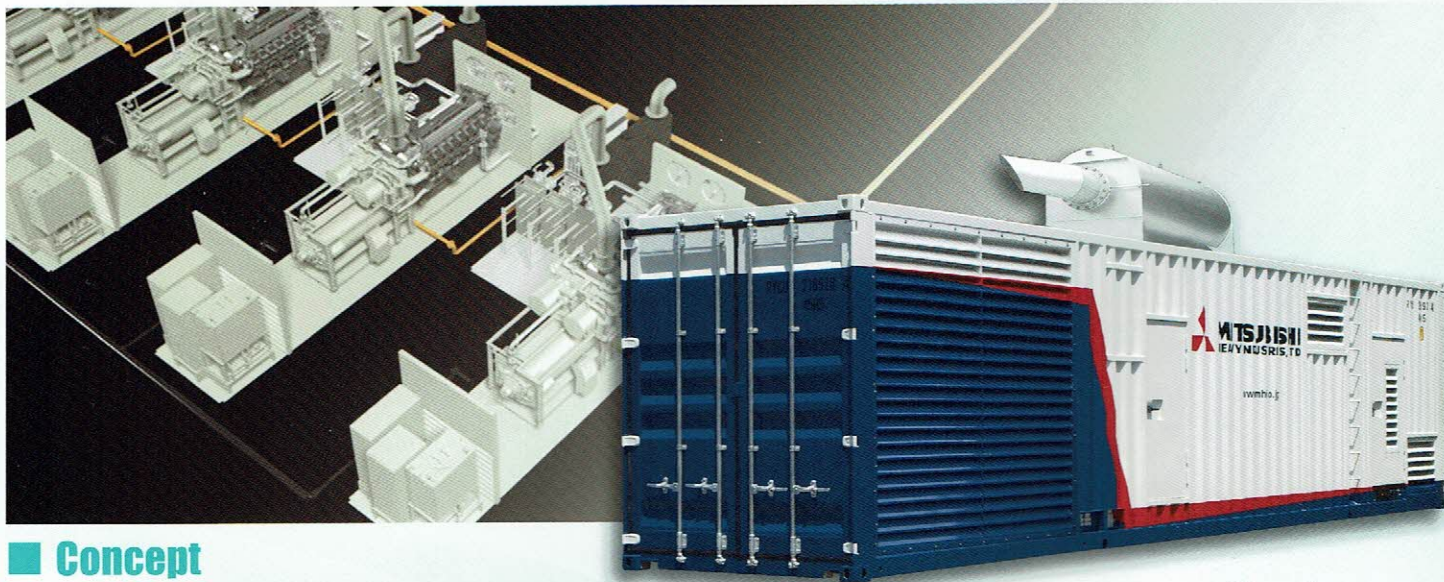
Greenbaum Barkan Ltd.
Official Agent in Israel

1 Hasnunit St., Ra'anana, Israel 43723 | Tel / Fax: +972-9-7747159
Mobile: +972-50-5206688 | E-mail: arie_gr@012.net.il
www.greenbaum-barkan.com



Please read the accompanying instruction manual and all caution labels before operating equipment.

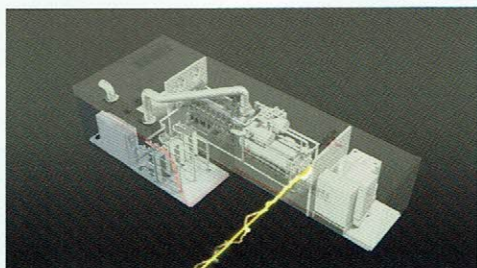
Container Gas Generator Set



■ Concept

- Quickly transfer and quickly install when needed.
- Gas engine genset is placed in ISO-compliant container.
- One-step installation.

Power Generation



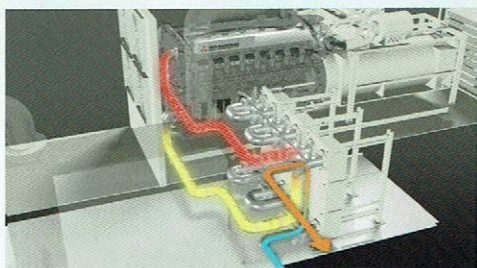
By using GS16R2 gas engine, output is increased to 1500kW and 42.6% generation efficiency is achieved*, which resulted in smaller footprint.

*Methane number 80



1500kW

Hot Water Generation

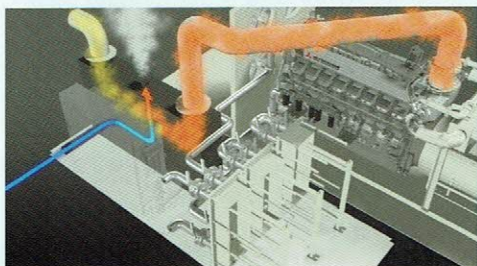


Using the heat from heat exchanger for the engine coolant, water can be heated to 75.7degC. The heated water can be used for swimming pool or as hot water.



75.7°C
74.5m³/h

Steam Generation



Using an exhaust gas boiler, steam of 0.78MPa can be extracted from exhaust gas. The extracted steam can be used for absorption chillers and process heating.



0.78MPa
820kg/h

Site Installation Procedure



Installation can start immediately after arrival.
By simplifying connection for wiring and piping,
installation can complete within 24hours.

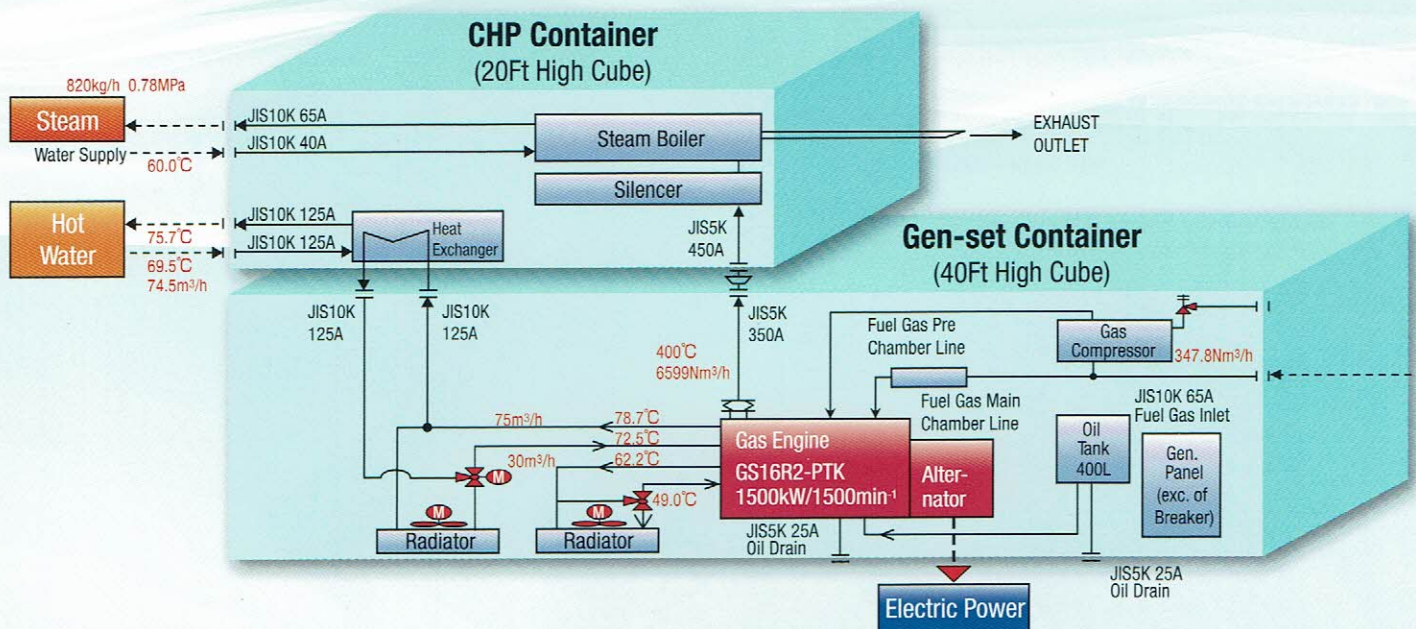


Single step Camlock
makes gas piping simple.

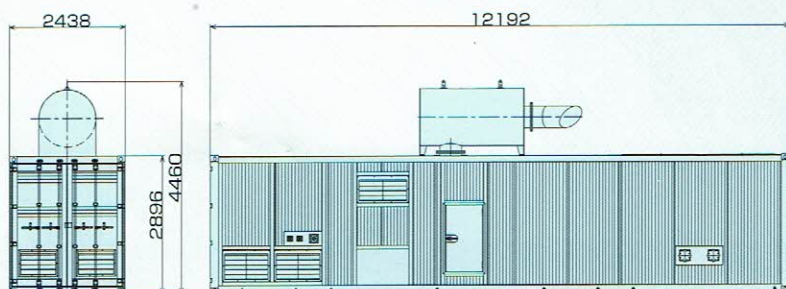
**Total
24hours**



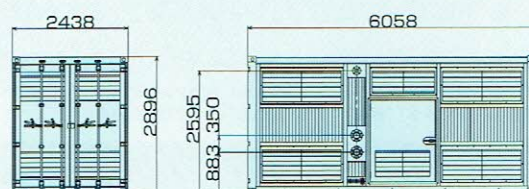
Flow Diagram of GS16R2 Generator Sets



Outline Dimension



Gen-set Container



CHP Container