

# GENMARK



**MS4**  
Modular Genset





20%  
less fuel



1000  
service interval



Fits under  
flexible chassis



only  
65 dB

## SPECIALLY DESIGNED FOR FLEXIBLE CHASSIS

The MS4 is a unique genset that fits almost any chassis. This genset has been especially designed for flexible chassis, which usually would not have the space for a standard undermount genset. Because of its compact permanent magnet alternator, the unit uses less fuel, is sound proof and it weighs much less than all current models of the competition. This combination makes the MS4 genset unique in its industry.



# SPECIFICATIONS

## MOTOR

Type:	4TNV88
Engine size:	2.286 liter
Certification:	ARB-OR, EPA Intern TIER 4
Noise level:	65 dBa
Average fuel consumption	2 liter per hour @ 380V/50Hz output

## ALTERNATOR

Type:	GM4-160
Power:	50Hz / 15kW (18,75 KVA) 60Hz / 17kW (21,25 KVA)
Efficiency:	94.3 %

Unique feature of this alternator is that it is able to handle 3 x 1 phase circuit with varying loads, as well as 3 Phase loads at the same time. This enables the unit to supply 380 V/50 Hz and 220V/50Hz at same time (if needed).

## CONTROLLER

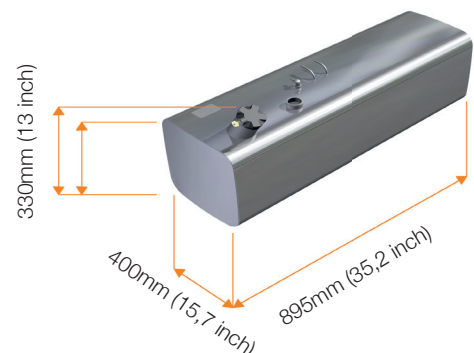
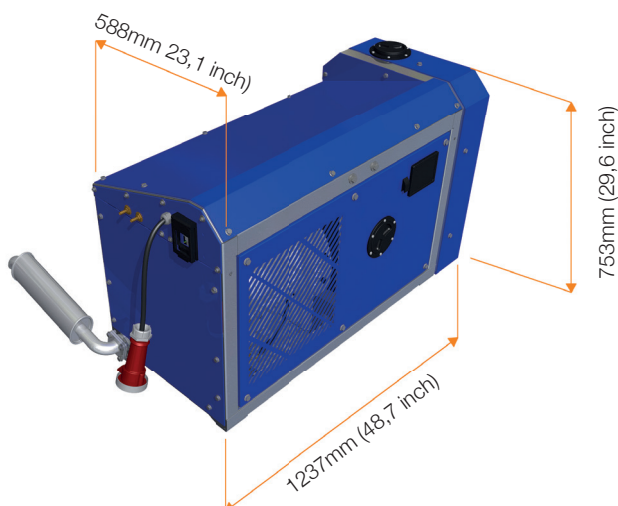
Function:	Automatic "pre-heat" Start   Alarm list   Alarm reset   Hour meter   Voltage check
Safety:	Oil level & water temperature
Extra option:	Controller can be mounted on the chassis for more comfort

Unique feature on the controller we use is that in case the controller is giving problems the units can be switched into an emergency by-pass which will run the unit without the controller so cargo can be saved.

## WEIGHT

Modular excluding tank	400 kg / 881,8 lbs
Tank 100 liter including straps	14 kg / 30,86 lbs

## DIMENSIONS



# WARRANTY AND SERVICE LEVEL AGREEMENTS

## WARRANTY

Genmark offers multiple service agreements to ensure a genset in perfect condition. Genmark recommends a yearly inspection or every 1000 hours.



One year after the date of in service, repairs and replacement need be to carried out through designated Genmark service centers. Warranty is only applicable under normal use and service of the genset. Consult your Genmark representative for complete warranty details.



Optional:  
Extend warranty to 2 years.



Optional:  
a. Generator up to 5 years or 5000 running hours  
b. Radiator up to 5 years or 5000 running hours  
c. Engine up to 5 years or 5000 running hours

## SERVICE AGREEMENT

Genmark offers various standard service agreements. The service agreements covers all maintenance as stated below. It is also possible to tailor a service agreement, based on your specifications and needs. For more information about the service agreements please contact someone of our salesteam.

### **Yearly inspection contains:**

- Yearly inspection of genset
- Replacement of oil filter
- Replacement of air filter
- Replacement of fuel filter
- Replacement of V-belt
- Software updates
- Valve check

# EXTRA OPTIONS

Besides the superior specifications of all Genmarks products, it's a specialist in customizations. Based on customer needs Genmark can compose the best genset. Below you can find the most common extra options.

## SPECIAL FEATURES

- 24 kW upgrade (460V / 60Hz)
- Air filter silencer, - 2 dB
- Enlarged fuel tank of 150L or 170L
- Cables & plugs 12m or 20m

## CONTROLLER

- Fitting controller to chassis
- Advanced remote monitoring device

## PAINTJOB/WRAP

- Paintjob genset panels RAL color (non metallic)
- Wrap frame in color of choice
- Wrap panels in color of choice

## SPECIAL KITS

- Winter kit: Max -30 Celcius
- ADR kit (only in combination with 24 kW, ask for more information)

**GENMARK B.V.**

Röntgenweg 8 3208 KG Spijkenisse  
+31 (0) 108 208 936

**INFO@GENMARK.NL**  
**WWW.GENMARK.NL**



## 6 REASONS WHY GENMARK CHOOSES PERMANENT MAGNET ALTERNATORS

Genmark use high quality permanent magnet alternators especially designed for the transport power generation industry. With over 10 years of investment into research and development, Genmark continues to develop new and efficient cutting edge technology, and manufacture alternators to the highest quality standards.



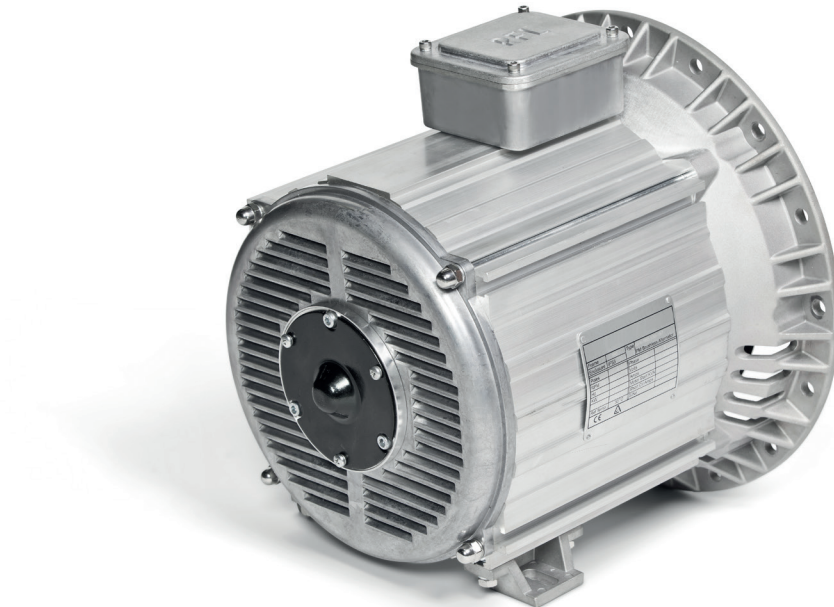
> 92% efficiency



40% smaller



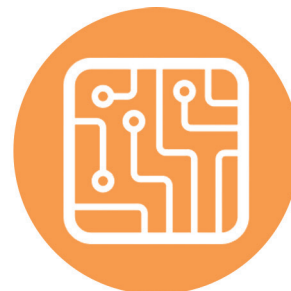
Parallel operation



Superior  
motor starting



Stable  
wave form



No electronics

# REMOTE MONITORING

Our experienced service team watches over your gensets during usage with a monitoring platform. You know 24 hours a day, 7 days a week where your gensets are. Because of the 24/7 visibility of your gensets, less problems due to non-operating gensets will occur. Thanks to more available information about running hours and overall state of the genset, service will be on time and more effective.



Fuel level indicator



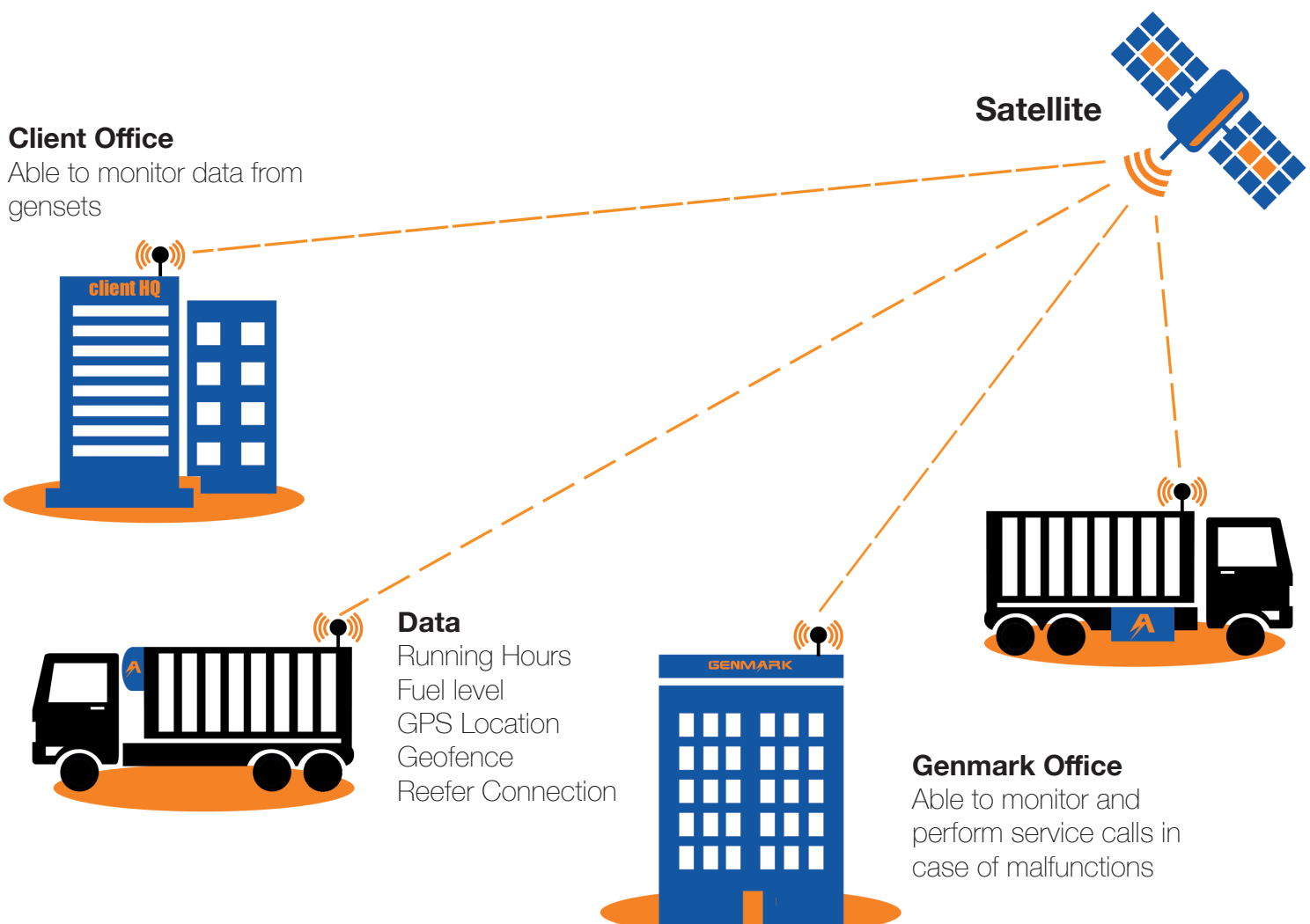
Reduce claims



Increase utilization



Increase maintenance efficiency



# CUSTOM MADE SOLUTIONS

Genmark is the specialist in custom made genset solutions. All divisions are in-house, for this reason Genmark is very flexible and able to produce gensets based on custom requirements. For example Genmark installed for Renault and Volvo a customised MS4 on the truck itself. The MS4 is directly connected to the fuel tank of the truck, therefore a separate fuel tank is not needed.



# GENMARK

Röntgenweg 8 3208 KG Spijkenisse  
+31 (0) 108 208 936

**INFO@GENMARK.NL**  
**WWW.GENMARK.NL**