
H150-ICE PRODUCT SHEET



The H150-ICE

Hydrogen hybrid genset from GeniWatt.

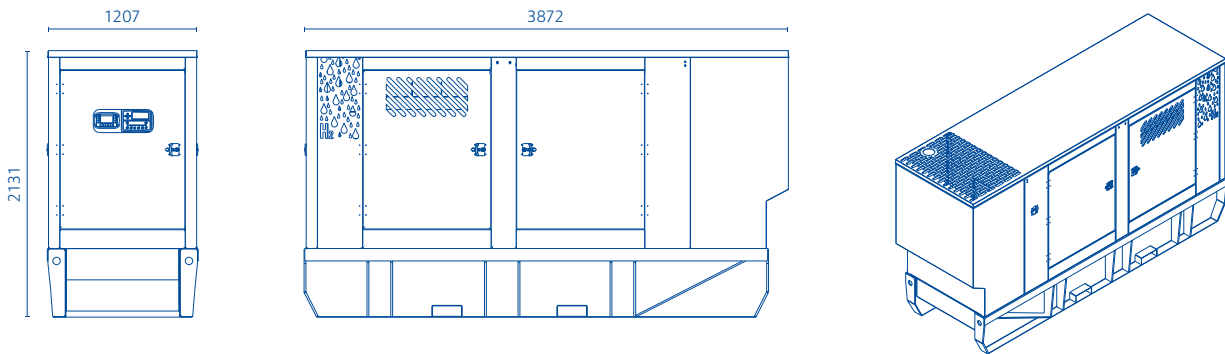
The H150-ICE has been developed to meet the increasing demand for **quiet, reliable site power with reduced carbon footprint**, and that does not emit diesel pollutants.

Based on an internal combustion engine, specially developed and validated to operate with hydrogen, it is combined with a battery pack to boost the peak power and deliver **up to 70% CO₂ reduction compared to a diesel genset**. High quality components have been used throughout to ensure **durability, reliability and safety**. At GeniWatt, we are a leader in generator solutions in Europe and Africa and we will **partner our customers through the energy transition**. We supply the equipment you need, but also offer full advice on fuel logistics and storage, on connection and operation.



Applications

This new solution is suitable for direct replacement of diesel generating sets for events and rental applications, and in renewable energy installations. It could be used where carbon footprint and/or exhaust emissions are critical.



OUTPUT PERFORMANCE

Prime Power (PRP ISO 8528-5)	150 kVA / 120 kW
Emergency Power (ESP ISO 8528-5)	180 kVA / 144 kW
Max Power (1/2h)	195 kVA / 156 kW
Output Voltage	400 V @ 50 Hz

TECHNOLOGY

Internal Combustion Engine	E70-H2 GENIWATT
Displacement / Number of cylinders	7.0 L / 6 in line
Alternator	Mecc Alte 200 kVA - 3 phases
Battery type / Capacity	LiFePo4 / 85 kWh
Sound Pressure Level (100% load)	65 dB(A) @ 7 m

HYDROGEN INLET REQUIREMENT

Expansion system integrated	
Inlet pressure	30 to 200 bar
Purity	Grade 2

DIMENSIONS & MASS

Dimensions (L x W x h)	3900 x 1200 x 2150 mm
Mass	3400 kg