

gentec energy

- Perkins Power

Performance is our Prime objective

GP688E 60Hz Data Sheet



Features and benefits

- World renowned engine and alternator
- Comprehensive Range of Controllers
 - Remote start
 - Auto start
 - AMF
 - synchronising
- Auto Transfer Systems
- Acoustic Enclosures
 - Designed to meet European standards
 - Weather resistant
 - Noise reducing
 - Containerised option for larger sets
 - Plantroom acoustic packages
 - Residential exhaust silencing options
- Optional packaging to meet Telecomms specifications



GP688E 60Hz Data

OUTPUT RATING @ 0.8pf			
Generating Set Model		GP688E-2	GP688E-3
		220/127v	380/220v
Prime Power Rating	kVA	N/A	N/A
	kW	N/A	N/A
Standby Rating	kVA	687	675
	kW	550	540
TECHNICAL DATA			
Engine Model: Perkins		2506A-E15TAG4	
Alternator Model		HCI 544E	
Number of cylinders / Alignment		6 / in line	
Cubic Capacity: Litres		15.2	
Aspiration		Turbocharged/ Air to Air Charge Cooled	
Engine Speed		1800	
Gross Engine Power: Kwm		519	
Fuel Consumption: litres/hr		115	
Heat Rejection to exhaust system Kw		355	
Heat Rejection to cooling & Lube. Oil system: Kw		158	
Radiated Heat to Room: Kw		95	
Radiator Cooling air flow: m3/min [*]		866	
Combustion Air flow: m3/min		39	
Exhaust Gas flow: m3/min		102	
Fuel Tank Capacity: Litres		820	
Engine Governor		Electronic	
Starting Battery v DC		24	
Frequency: Hz		60	
Class of Alternator windings (temp)		H	
Class of Alternator windings (insulation)		H	
Enlosure rating of Alternator		IP23	
DIMENSIONS & WEIGHTS			
Open Set			
Length: mm		3883	
Width: mm		1125	
Height: mm		2130	
Weight: Kg Dry		4007	
Canopy Set			
Length: mm		4750	
Width: mm		1600	
Height: mm		2176	
Weight: Kg		5310	

Ratings Definition:

Emergency Standby Power - This rating is applicable for supplying continuous power (at variable load) in the event of a Utility power failure up to a maximum of 200 hours per year which may be continuous. Load factor may be up to 70% of the Emergency Standby Rating. No overload is permitted. The alternator is peak continuous rated (as defined in ISO8528-3) Ratings in accordance with ISO8528, ISO3046, IEC60034, BS5000 & NEMA MG-1/22

[*] Cooling System designed to operate in ambient temp. up to 50degC