



Generators - 160kVA and above

Large, high capacity, Biodiesel generators provide reliable prime power for large work sites, standby power supply, festivals, outdoor sporting events and remote broadcast.



Electrical Data		HFW-160 T5	HSW-305 T5	SG550A
Rated frequency	Hz		50	
Rated voltage	V		240/415	
Rated output - Prime	kVA/kW	160/128	300/240	500/400
Rated output - Prime	kVA/kW	175/140	330/264	550/440
Rated power factor			0.8 (Lagging)	
Excitation			Self-excitation (brushless)	
Number of poles			4	

Engine				
Model		FPT IVECO NEF67TM3A	Scania DC9-072A	Scania DC16-071A
Emissions rating		Tier 3	Tier 3	EU Stage IIIA
Air induction		Turbocharged with Direct injection		
No. of cylinders		6	5	8
Displacement	L	6.7	9.3	16.4
Rated output: Prime/Standby	kW	137.7/152	261/288	438/483
Fuel		Diesel / Biodiesel (B20)		
Fuel capacity (Std.)	L	450	449	1200

Sound level				
Sound level @ 7 m	dB(A)	68	68	70

Dimensions and weight ^a				
Dimensions (LxWxH)	mm	3300 x 1200 x 1956	3800 x 1400 x 2290	5400 x 1750 x 2100
Weight (without fuel)	kg	2210	3647	6300

Physical characteristics	
Controller display	Voltage between each Phase & Neutral; Voltage between Phases; Current (amps) on each Phase; Frequency; Active, Apparent, & Reactive Power; Power Factor; Instant Power (kW/h) and Accumulative power; Fuel level; Oil pressure, coolant temperature; Battery voltage, battery charging alternator voltage; Engine Speed; Hours running
Engine alarms	High coolant temperature; Low oil pressure; Emergency stop; Battery charging alternator; Low coolant level; Over Speed; Under speed; Low fuel level by sensor; Battery low voltage
Generator alarms	Over-load; Unbalanced voltage; Over-voltage; Under-voltage; Over-frequency; Under-frequency; Short-circuit; Inverse Power; Asymmetry among phases
Protection	Battery isolator and Emergency Stop
Auto start module	Direct Wire terminal block

Prime power:
For continuous operation and unlimited yearly operation time at varying load. Max mean load factor of 70% of rated power over 24 h of operation. 1 hour/12 hours period of accumulated peak overload to 110%.

Standby power:
This rating is for the supply of continuous electrical power (at variable load) in the event of a reliable utility power failure. No overload is permitted.

***Please note:** Details, including technical specifications are correct at the time of printing, subject to change without notice. Every reasonable effort has been made to ensure the information in this brochure is accurate. Green Power Solutions accepts no liability or responsibility for any errors or omissions occurring in or from this brochure. Consult with your Green Power Solutions representative for further information.