

Performance is our prime objective

GP625 - GP680 60Hz Data Sheet

 **Perkins® Power**

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



GP625 - GP680 60Hz Data

OUTPUT RATING @ 0.8pf					
Generating Set Model		GP625-2	GP625-3	GP680-2	GP680-3
		220/127v	380/220v	220/127v	380/220v
Prime Power Rating	kVA	594	625	680	675
	kW	475	500	544	540
Standby Rating	kVA	653	687	750	742
	kW	523	550	600	594
TECHNICAL DATA					
Engine Model: Perkins		2806A-E18TAG1A		2806A-E18TAG3	
Alternator Model		HCI 544D		HCI 544E	
Number of cylinders / Alignment		6 / in line		6 / in line	
Cubic Capacity: Litres		18.1		18.1	
Aspiration		Turbocharged/ Air to Air Charge Cooled		Turbocharged/ Air to Air Charge Cooled	
Engine Speed		1800		1800	
Gross Engine Power: Kwm		567.7		617.5	
Fuel Consumption: litres/hr		127		144	
Heat Rejection to exhaust system Kw		441		515	
Heat Rejection to cooling & Lube. Oil system: Kw		166		177	
Radiated Heat to Room: Kw		40		45	
Radiator Cooling air flow: m3/min [*]		852		852	
Combustion Air flow: m3/min		43		47.2	
Exhaust Gas flow: m3/min		109		125	
Fuel Tank Capacity: Litres		820		820	
Engine Governor		Electronic		Electronic	
Starting Battery v DC		24		24	
Frequency: Hz		60		60	
Class of Alternator windings (temp)		H		H	
Class of Alternator windings (insulation)		H		H	
Enlosure rating of Alternator		IP23		IP23	
DIMENSIONS & WEIGHTS					
Open Set					
Length: cm		411.1		411.1	
Width: cm		153.6		153.6	
Height: cm		209.8		209.8	
Weight: Kg Dry		4870		4870	
Canopy Set					
Length: cm		588		588	
Width: cm		193		193	
Height: cm		240		240	
Weight: Kg		6535		6535	

Ratings Definition:

Prime Power - This rating is applicable for supplying continuous power (at variable load) with no limitation to the annual hours of operation and can supply 10% overload power for 1 hour in 12 hours

Standby Power - This rating is applicable for supplying continuous power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings and 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