

Performance is our prime objective

## GP230 - GP245 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



# GP230 - GP245 60Hz Data

OUTPUT RATING @ 0.8pf					
Generating Set Model		GP230-2	GP230-3	GP245-2	GP245-3
		220/127v	380/220v	220/127v	380/220v
Prime Power Rating	kVA	231	231	245	237.5
	kW	185	185	196	190
Standby Rating	kVA	254	254	270	261
	kW	203	203	216	209
TECHNICAL DATA					
Engine Model: Perkins		1306C-E87TAG3		1306C-E87TAG4	
Alternator Model		HCI 274H		HCI 274H	
Number of cylinders / Alignment		6 in line		6 in line	
Cubic Capacity: Litres		8.7		8.7	
Aspiration		Turbocharged/ Air to Air Charge Cooled		Turbocharged/ Air to Air Charge Cooled	
Engine Speed		1800		1800	
Gross Engine Power: Kwm		208		220	
Fuel Consumption: litres/hr		56.9		61	
Heat Rejection to exhaust system Kw		116		124	
Heat Rejection to cooling & Lube. Oil system: Kw		98		104	
Radiated Heat to Room: Kw		37		40	
Radiator Cooling air flow: m3/min [*]		480		480	
Combustion Air flow: m3/min		19.3		20.2	
Exhaust Gas flow: m3/min		48.1		51.3	
Fuel Tank Capacity: Litres		400		400	
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		293.5		293.5	
Width: cm		100.3		100.3	
Height: cm		171.7		171.7	
Weight: Kg Dry		2200		2200	
Canopy Set					
Length: cm		390		390	
Width: cm		130		130	
Height: cm		201		201	
Weight: Kg		3300		3300	

## 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