

Performance is our prime objective

## GP140 - GP180 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



# GP140 - GP180 50Hz Data

OUTPUT RATING @ 0.8pf			
Generating Set Model	GP140	GP150	GP180
Prime Power Rating (380/415v)	kVA	140	150
	kW	112	120
Standby Rating (380/415v)	kVA	154	165
	kW	123	132
TECHNICAL DATA			
Engine Model: Perkins	1006TAG	1006TAG2	1106C-E66TAG4
Alternator Model	UCI 274E	UCI 274F	UCI 274G
Number of cylinders / Alignment	6 in line	6 in line	6 in line
Cubic Capacity: Litres	6	6	6.6
Aspiration	Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled
Engine Speed	1500	1500	1500
Gross Engine Power: Kwm	128.4	150.7	163.3
Fuel Consumption: litres/hr	32.3	31.2	40.2
Heat Rejection to exhaust system Kw	115	140.3	125
Heat Rejection to cooling & Lube. Oil system: Kw	65.5	72.9	72.8
Radiated Heat to Room: Kw	15.4	42.9	12.5
Radiator Cooling air flow: m <sup>3</sup> /min [*]	192	221.2	281
Combustion Air flow: m <sup>3</sup> /min	8.38	10.6	11.3
Exhaust Gas flow: m <sup>3</sup> /min	24.14	29.9	29.4
Fuel Tank Capacity: Litres	400	400	400
Engine Governor	Electronic	Electronic	Electronic
Starting Battery v DC	12	12	12
Frequency: Hz	50	50	50
Class of Alternator windings (temp)	H	H	H
Class of Alternator windings (insulation)	400	400	400
Enlosure rating of Alternator	IP23	IP23	IP23
DIMENSIONS & WEIGHTS			
Open Set			
Length: cm	270	270	302
Width: cm	90	90	100
Height: cm	146	146	171
Weight: Kg Dry	1427	1427	2009
Canopy Sets			
Length: cm	390	390	390
Width: cm	130	130	130
Height: cm	202.4	202.4	201
Weight: Kg	2438	3048	3200

## 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