

# gentec energy

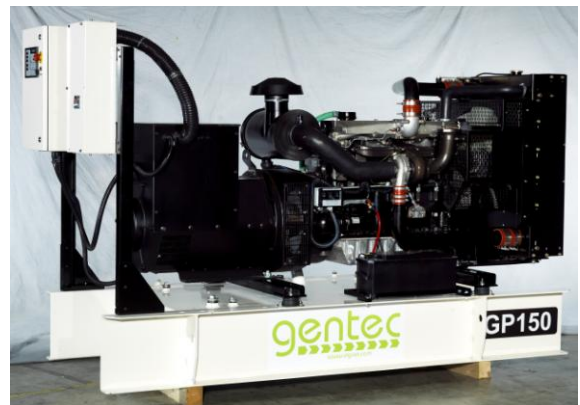
- Perkins Power

## Performance is our Prime objective

### GP200-GP250 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



# GP200-GP250 Data

<b>OUTPUT RATING @ 0.8pf</b>				
<b>Generating Set Model</b>		<b>GP200</b>	<b>GP225</b>	<b>GP250</b>
Prime Power Rating (380/415v)	kVA	200	228	250
	kW	160	182	200
Standby Rating (380/415v)	kVA	220	250	275
	kW	176	200	220
<b>TECHNICAL DATA</b>				
Engine Model: Perkins		1306C-E87TAG3	1306C-E87TAG4	1306C-E87TAG6
Alternator Type		Brushless	Brushless	Brushless
Number of cylinders / Alignment		6 in line	6 in line	6 in line
Cubic Capacity: Litres		8.7	8.7	8.7
Aspiration		Turbocharged/ Air to Air Charged Cooled	Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled
Engine Speed		1500	1500	1500
Gross Engine Power: Kwm		186	204	224
Fuel Consumption: litres/hr		45.2	48.5	45
Heat Rejection to exhaust system Kw		122	124.5	190
Heat Rejection to cooling & Lube. Oil system: Kw		90	96	107.5
Radiated Heat to Room: Kw		36	39	45
Radiator Cooling air flow: m3/min [*]		375	375	375
Combustion Air flow: m3/min		13.5	14.9	16.4
Exhaust Gas flow: m3/min		36.5	40.3	44.5
Fuel Tank Capacity: Litres		440	440	440
Engine Governor		Electronic	Electronic	Electronic
Starting Battery v DC		24	24	24
Frequency: Hz		50	50	50
Class of Alternator windings (temp)		H	H	H
Class of Alternator windings (insulation)		H	H	H
Enlosure rating of Alternator		IP23	IP23	IP23
<b>DIMENSIONS &amp; WEIGHTS</b>				
<b>Open Set</b>				
Length: mm		3074	3074	3074
Width: mm		1000	1000	1000
Height: mm		1728	1728	1728
Weight: Kg Dry		1995	2090	2090
<b>Canopy Set</b>				
Length: mm		3700	3700	3700
Width: mm		1150	1150	1150
Height: mm		2093	2093	2093
Weight: Kg		3239	3340	3340

## 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 50 degs C

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