

# gentec energy

- Perkins Power

## Performance is our Prime objective

### GP8-GP20 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



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# GP8-GP20 Data

<b>OUTPUT RATING @ 0.8pf</b>				
<b>Generating Set Model</b>		<b>GP8</b>	<b>GP13</b>	<b>GP20</b>
Prime Power Rating (380/415v)	kVA	8	13	20
	kW	6.5	10.4	16
Standby Rating (380/415v)	kVA	9	14.5	22
	kW	7.2	11.6	17.7
<b>TECHNICAL DATA</b>				
Engine Model:		403D-11G	403D-15G	404D-22G
Alternator Type		Brushless	Brushless	Brushless
Number of cylinders		3 / in line	3 / in line	4 / in line
Cubic Capacity: Litres		1.131	1.496	2.16
Aspiration		Naturally Aspirated	Naturally Aspirated	Naturally Aspirated
Engine Speed		1500	1500	1500
Gross Engine Power: Kwm		8.6	12.2	18.7
Fuel Consumption: lt/hr		3	3.6	4.3
Heat Rejection to exhaust system: Kw		7.3	9.3	14
Heat Rejection to cooling system: Kw		8.3	11.6	17
Total Radiated Heat: Kw		1.7	3.2	3.3
Radiator Cooling air flow: m3/min [*]		40.2	36.6	40.2
Combustion Air flow: m3/min		0.7	1.1	1.45
Exhaust Gas flow: m3/min		1.66	2.7	3.64
Fuel Tank Capacity: Litres		100	100	100
Engine Governor		Mechanical	Mechanical	Mechanical
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)		H	H	H
Enlosure rating of Alternator		IP23	IP23	IP23
<b>DIMENSIONS &amp; WEIGHTS</b>				
<b>Open Set</b>				
Length: mm		1325	1325	1360
Width: mm		720	720	720
Height: mm		1118	1125	1164
Weight: Kg Dry		416	492	562
<b>Canopy Set</b>				
Length: mm		1946	1946	1946
Width: mm		720	720	720
Height: mm		1365	1365	1365
Weight: Kg		670	755	580

## 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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