

gentec energy

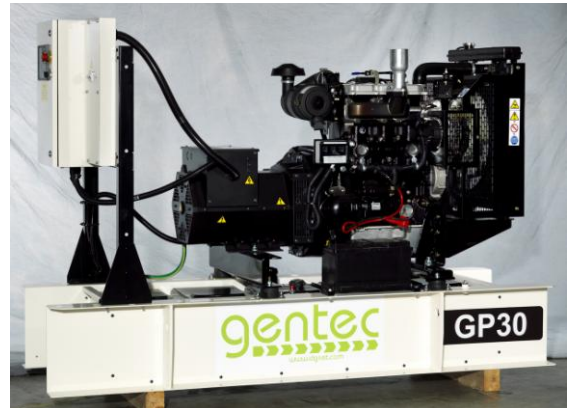
- Perkins Power

Performance is our Prime objective

GP80-GP100 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



GP80-GP100 Data

OUTPUT RATING @ 0.8pf			
Generating Set Model		GP80	GP100
Prime Power Rating (380/415v)	kVA	80	100
	kW	64	80
Standby Rating (380/415v)	kVA	88	110
	kW	70.4	88
TECHNICAL DATA			
Engine Model:		1104A-44TG2	1104C-44TAG2
Alternator Type		Brushless	Brushless
Number of cylinders / Alignment		4 / in line	4 / in line
Cubic Capacity: Litres		4.41	4.41
Aspiration		Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled
Engine Speed		1500	1500
Gross Engine Power: Kwm		75	93.6
Fuel Consumption: litres/hr		18.6	22.6
Heat Rejection to exhaust system Kw		55.8	71.7
Heat Rejection to cooling & Lube. Oil system: Kw		35.9	46.1
Radiated Heat to Room: Kw		5.3	6.8
Radiator Cooling air flow: m3/min [*]		165.6	165.6
Combustion Air flow: m3/min		5.28	6.01
Exhaust Gas flow: m3/min		12.9	15.2
Fuel Tank Capacity: Litres		220	220
Engine Governor		Electronic	Electronic
Starting Battery v DC		12	12
Frequency: Hz		50	50
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: mm		2210	2210
Width: mm		760	760
Height: mm		1465	1465
Weight: Kg Dry		1166	1189
Canopy Set			
Length: mm		2660	2660
Width: mm		1100	1100
Height: mm		1809	1809
Weight: Kg		1659	1686

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

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