

gentec energy

- Perkins Power

Performance is our Prime objective

GP100 – GP146 60Hz Data



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



GP100 – GP146 60Hz Data

OUTPUT RATING @ 0.8pf							
Generating Set Model		GP100-2	GP100-3	GP120-2	GP120-3	GP146-2	GP146-3
		220/127v	380/220v	220/127v	380/220v	220/127v	380/220v
Prime Power Rating	kVA	97.5	100	117.5	120	137.5	131
	kW	78	80	94	96	110	105
Standby Rating	kVA	107	110	129	132	151	144
	kW	86	88	103.4	105.6	121	115
TECHNICAL DATA							
Engine Model:		1006TG1A		1006TG2A		1006TAG	
Alternator Model		UCI 224G		UCI 224C		UCI 274D	
Number of cylinders / Alignment		6 / in line		6 / in line		6 / in line	
Cubic Capacity: Litres		4.41		4.41		4.41	
Aspiration		Turbocharged		Turbocharged/ Air to Air Charge Cooled		Turbocharged/ Air to Air Charge Cooled	
Engine Speed		1800		1800		1800	
Gross Engine Power: Kw		101.6		112.4		144.2	
Fuel Consumption: litres/hr		25.8		25.8		37.6	
Heat Rejection to exhaust system Kw		77		84.7		140	
Heat Rejection to cooling & Lube. Oil system: Kw		65.5		72		68	
Radiated Heat to Room: Kw		22.2		23.8		19	
Radiator Cooling air flow: m3/min [*]		140		140		182	
Combustion Air flow: m3/min		6.95		7.38		10.72	
Exhaust Gas flow: m3/min		19.44		19.96		29.75	
Fuel Tank Capacity: Litres		220		220		220	
Engine Governor		Electronic		Electronic		Electronic	
Starting Battery v DC		12		12		12	
Frequency: Hz		60		60		60	
Class of Alternator windings (Temp)		H		H		H	
Class of Alternator windings (insulation)		H		H		H	
Enlosure rating of Alternator		IP23		IP23		IP23	
DIMENSIONS & WEIGHTS							
Open Set							
Length: mm		2713		2713		2713	
Width: mm		1000		1000		1000	
Height: mm		1560		1560		1560	
Weight: Kg Dry		1554		1592		1592	
Canopy Set							
Length: mm		3700		3700		3700	
Width: mm		1150		1150		1150	
Height: mm		2093		2093		2093	
Weight: Kg		2812		2850		2850	

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

Gentec Energy Plc
Unit 7 Chancerygate Close
Stonefield Way
South Ruislip, Middx
HA4 0JA

www.dgset.com

Tel: +44 (0)208 839 0810
Email: sales@dgset.com