

gentec energy

- Perkins Power

Performance is our Prime objective

GP600-GP650 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



GP600-GP650 Data

OUTPUT RATING @ 0.8pf			
Generating Set Model		GP600	GP650
Prime Power Rating (380/415v)	kVA	600	650
	kW	480	520
Standby Rating (380/415v)	kVA	660	700
	kW	528	560
TECHNICAL DATA			
Engine Model: Perkins		2806A-E18TAG1A	2806A-E18TAG2
Alternator Type		Brushless	Brushless
Number of cylinders / Alignment		6 / in line	6 / in line
Cubic Capacity: Litres		18.1	18.1
Aspiration		Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled
Engine Speed		1500	1500
Gross Engine Power: Kwm		539.7	584
Fuel Consumption: litres/hr		123	132
Heat Rejection to exhaust system Kw		410.7	447
Heat Rejection to cooling & Lube. Oil system: Kw		208	202
Radiated Heat to Room: Kw		38	41
Radiator Cooling air flow: m3/min [*]		672	672
Combustion Air flow: m3/min		34	37
Exhaust Gas flow: m3/min		96	106
Fuel Tank Capacity: Litres		820	820
Engine Governor		Electronic	Electronic
Starting Battery v DC		24	24
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		3883	3900
Width: mm		1125	1550
Height: mm		2130	2180
Weight: Kg Dry		4801	4943
Canopy Set			
Length: mm		5750	5750
Width: mm		1950	1950
Height: mm		2291	2291
Weight: Kg		6600	6643

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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