

gentec energy

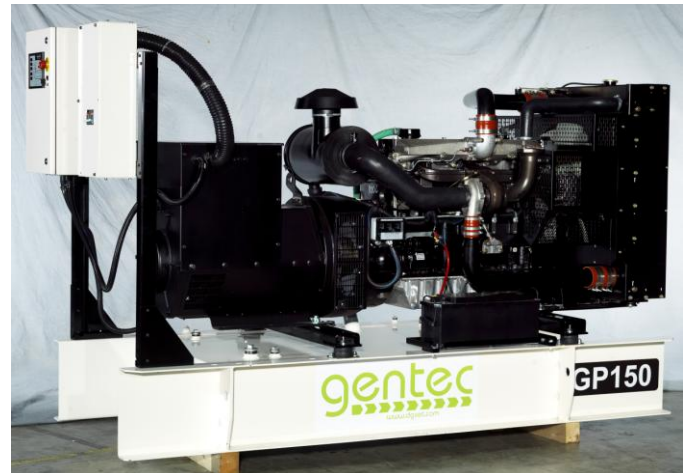
- Perkins Power

Performance is our Prime objective

GP350-GP500 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



GP350-GP500 Data

OUTPUT RATING @ 0.8pf					
Generating Set Model		GP350	GP400	GP450	GP500
Prime Power Rating (380/415v)	kVA	350	400	450	500
	kW	280	320	360	400
Standby Rating (380/415v)	kVA	400	440	500	550
	kW	320	352	400	440
TECHNICAL DATA					
Engine Model:		2206-E13TAG2	2206-E13TAG3	2506A-E15TAG1	2506A-E15TAG2
Alternator Type		Brushless	Brushless	Brushless	Brushless
Number of cylinders / Alignment		6 / in line	6 / in line	6 / in line	6 / in line
Cubic Capacity: Litres		12.5	12.5	15.2	15.2
Aspiration		Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled
Engine Speed		1500	1500	1500	1500
Gross Engine Power: Kw		324.2	368.4	412	451
Fuel Consumption: litres/hr		71	81	95	100
Heat Rejection to exhaust system: Kw		213.2	252.6	327	362
Heat Rejection to cooling & Lube. Oil system: Kw		113.5	127.3	163	175
Radiated Heat to Room: Kw		24.1	34	32.2	36.2
Radiator Cooling air flow: m3/min [*]		563	563	822	822
Combustion Air flow: m3/min		21.3	24.3	33	35.8
Exhaust Gas flow: m3/min		56.6	64.6	85	94
Fuel Tank Capacity: Litres		820	820	820	820
Engine Governor		Electronic	Electronic	Electronic	Electronic
Starting Battery v DC		24	24	24	24
Frequency: Hz		50	50	50	50
Class of Alternator windings (temp)		H	H	H	H
Class of Alternator windings (insulation)		H	H	H	H
Enlosure rating of Alternator		IP23	IP23	IP23	IP23
DIMENSIONS & WEIGHTS					
Open Set					
Length: mm		3650	3650	3650	3883
Width: mm		1125	1125	1125	1125
Height: mm		2130	2130	2130	2130
Weight: Kg		3506	3642	3877	4007
Canopy Set					
Length: mm		4750	4750	4750	4750
Width: mm		1600	1600	1600	1600
Height: mm		2176	2176	2176	2176
Weight: Kg		4945	4855	5180	5310

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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