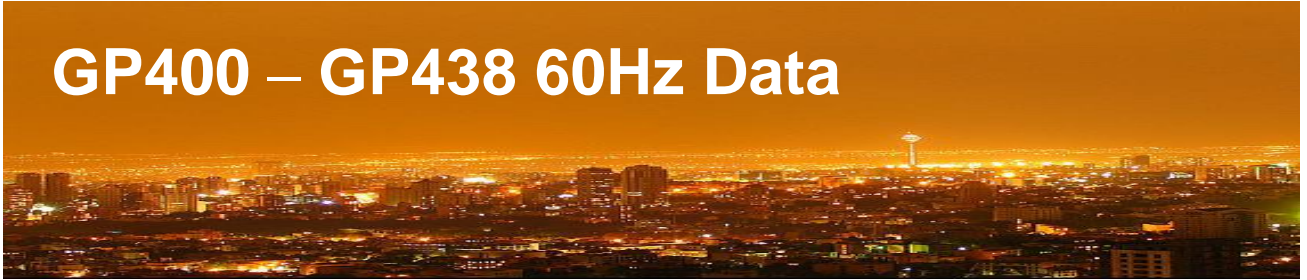


gentec energy

- Perkins Power

Performance is our Prime objective

GP400 – GP438 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



GP400 – GP438 60Hz Data

OUTPUT RATING @ 0.8pf					
Generating Set Model		G400-2	G400-3	GP438-2	GP438-3
		220/127v	380/220v	220/127v	380/220v
Prime Power Rating	kVA	400	N/A	438	438
	kW	320	N/A	350	350
Standby Rating	kVA	438	N/A	482	482
	kW	350	N/A	385	385
TECHNICAL DATA					
Engine Model: Perkins		2206A-E13TAG5		2206A-E13TAG6	
Alternator Model		HCI 444E		HCI 444F	
Number of cylinders / Alignment		6 / in line		6 / in line	
Cubic Capacity: Litres		12.5		12.5	
Aspiration		Turbocharged/ Air to Air Charge Cooled		Turbocharged/ Air to Air Charge Cooled	
Engine Speed		1800		1800	
Gross Engine Power: Kwm		373.4		406.5	
Fuel Consumption: litres/hr		83		91	
Heat Rejection to exhaust system Kw		271.7		302.6	
Heat Rejection to cooling & Lube. Oil system: Kw		137.5		146.4	
Radiated Heat to Room: Kw		44.6		47.7	
Radiator Cooling air flow: m3/min [*]		716		716	
Combustion Air flow: m3/min		23.8		26.9	
Exhaust Gas flow: m3/min		67.5		75.5	
Fuel Tank Capacity: Litres		820		820	
Engine Governor		Electronic		Electronic	
Starting Battery v DC		24		24	
Frequency: Hz		60		60	
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		3650		3650	
Width: mm		1125		1125	
Height: mm		2130		2130	
Weight: Kg Dry		3506		3642	
Canopy Set					
Length: mm		4750		4750	
Width: mm		1600		1600	
Height: mm		2176		2176	
Weight: Kg		4945		4855	

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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