

Performance is our prime objective

GP1250 - GP1700 Data Sheet

 **Perkins® Power**

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



GP1250 - GP1700 50Hz Data

OUTPUT RATING @ 0.8pf				
Generating Set Model	GP1250	GP1360	GP1500	GP1700
Prime Power Rating (380/415v) kVA	1250	1360	1500	1700
kW	1000	1088	1200	1360
Standby Rating (380/415v) kVA	1375	1500	1650	1875
kW	1100	1200	1320	1500
TECHNICAL DATA				
Engine Model:	4012-46TWG2A	4012-46TWG3A	4012-46TAG2A	4012-46TAG3A
Alternator Model	PI 734A	PI 734B	PI 734C	PI 734E
Number of cylinders / Alignment	12 / vee	12 / vee	12 / vee	12 / vee
Cubic Capacity: Litres	45.482	45.482	45.482	45.482
Engine Speed	1500	1500	1500	1496
Gross Engine Power: Kwm	1113	1207	1331	1500
Fuel Consumption: litres/hr	259	289	305	354
Heat Rejection to exhaust system Kw	886	989	1015	1102
Heat Rejection to cooling & Lube. Oil system: Kw	374	389	457	510
Radiated Heat to Room: Kw	81	88	96	110
Radiator Cooling air flow: m ³ /min [*]	1680	1680	1944	2220
Combustion Air flow: m ³ /min	103	108	120	135
Exhaust Gas flow: m ³ /min	180	182	320	350
Fuel Tank Capacity: Litres	TBA	TBA	TBA	TBA
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 (windings)	H	H	H	H
Enlosure rating of Alternator	IP23	IP23	IP23	IP23
DIMENSIONS & WEIGHTS				
Open Set				
Length: cm	525	525	582.4	582.4
Width: cm	222	222	252.4	252.4
Height: cm	289.5	289.5	310	3150
Weight: Kg	10550	10550	13970	13970
Canopy Set				
Length: cm	TBA	TBA	TBA	TBA
Width: cm	TBA	TBA	TBA	TBA
Height: cm	TBA	TBA	TBA	TBA
Weight: Kg	TBA	TBA	TBA	TBA

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 50 degs C