

Performance is our prime objective

GP200 - GP250 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



GP200 - GP250 50Hz Data

OUTPUT RATING @ 0.8pf			
Generating Set Model	GP200	GP225	GP250
Prime Power Rating (380/415v)	kVA	200	225
	kW	160	180
Standby Rating (380/415v)	kVA	220	247
	kW	176	198
TECHNICAL DATA			
Engine Model: Perkins	1306C-E87TAG3	1306C-E87TAG4	1306C-E87TAG6
Alternator Model	UCI 274H	HC1444C	HC1444C
Number of cylinders / Alignment	6 in line	6 in line	6 in line
Cubic Capacity: Litres	8.7	8.7	8.7
Aspiration	Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled	Turbocharged/ Air to Air Charge Cooled
Engine Speed	1500	1500	1500
Gross Engine Power: Kwm	186	204	224
Fuel Consumption: litres/hr	45.2	48.5	45
Heat Rejection to exhaust system Kw	122	124.5	190
Heat Rejection to cooling & Lube. Oil system: Kw	90	96	107.5
Radiated Heat to Room: Kw	36	39	45
Radiator Cooling air flow: m ³ /min [*]	375	375	375
Combustion Air flow: m ³ /min	13.5	14.9	16.4
Exhaust Gas flow: m ³ /min	36.5	40.3	44.5
Fuel Tank Capacity: Litres	440	440	440
Engine Governor	Electronic	Electronic	Electronic
Starting Battery v DC	24	24	24
Frequency: Hz	50	50	50
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: cm	307.4	293.5	293.5
Width: cm	100	100.3	100.3
Height: cm	172.8	171.7	171.7
Weight: Kg Dry	1995	2200	2200
Canopy Set			
Length: cm	390	390	390
Width: cm	130	130	130
Height: cm	201	201	201
Weight: Kg	3300	3300	3300

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