

GP140-GP180 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



GP140-GP180 Data

OUTPUT RATING @ 0.8pf				
Generating Set Model		GP140	GP150	GP180
Prime Power Rating (380/415v)	kVA	136	150	180
	kW	109	120	144
Standby Rating (380/415v)	kVA	150	165	200
	kW	120	132	160
TECHNICAL DATA				
Engine Model: Perkins		1006TAG	1006TAG2	1106C-E66TAG4
Alternator Type		Brushless	Brushless	Brushless
Number of cylinders / Alignment		6 in line	6 in line	6 in line
Cubic Capacity: Litres		6	6	6.6
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		128.4	150.7	163.3
Fuel Consumption: litres/hr		32.3	31.2	40.2
Heat Rejection to exhaust system Kw		115	140.3	125
Heat Rejection to cooling & Lube. Oil system: Kw		65.5	72.9	72.8
Radiated Heat to Room: Kw		15.4	42.9	12.5
Radiator Cooling air flow: m3/min [*]		192	221.2	281
Combustion Air flow: m3/min		8.38	10.6	11.3
Exhaust Gas flow: m3/min		24.14	29.9	29.4
Fuel Tank Capacity: Litres		400	400	400
Engine Governor		Electronic	Electronic	Electronic
Starting Battery v DC		12	12	12
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: mm		2713	2713	3074
Width: mm		1000	1000	1000
Height: mm		1560	1560	1653
Weight: Kg Dry		1554	1592	1813
Canopy Set				
Length: mm		3700	3700	3700
Width: mm		1150	1150	1150
Height: mm		2093	2093	2093
Weight: Kg		2812	2850	3092

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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