

gentec energy

- Perkins Power

Performance is our Prime objective

GP34 – GP75 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



GP34 – GP75 60Hz Data

OUTPUT RATING @ 0.8pf									
Generating Set Model		GP34-2	GP34-3	GP50-2	GP50-3	GP65-2	GP65-3	GP75-2	GP75-3
		220/127v	380/220v	220/127v	380/220v	220/127v	380/220v	220/127v	380/220v
Prime Power Rating	kVA	34	32.5	50	47.5	62.5	62.5	70	70
	kW	28	26	40	38	50	50	56	56
Standby Rating	kVA	38	38	58.7	52.25	68.75	68.75	77	77
	kW	30	30	46.9	41.8	55	55	62	62
TECHNICAL DATA									
Engine Model:		1103A-33G		1103A-33TG1		1103A-33TG2		1104A-44TG1	
Alternator Model		BCI 184F		BCI 184J		UCI 224D		UCI 224E	
Number of cylinders / Alignment		3 / in line		3 / in line		3 / in line		4 / in line	
Cubic Capacity: Litres		3.3		3.3		3.3		4.41	
Aspiration		Naturally aspirated		Turbocharged		Turbocharged		Turbocharged	
Engine Speed		1800		1800		1800		1800	
Gross Engine Power: Kw		33.2		50.5		61.2		70.7	
Fuel Consumption: litres/hr		8.6		12.9		16.6		17.8	
Heat Rejection to exhaust system Kw		22		39		52		53	
Heat Rejection to cooling & Lube. Oil system: Kw		16		31		41		43	
Radiated Heat to Room: Kw		5		8		11		12	
Radiator Cooling air flow: m3/min [*]		53		70		111		111	
Combustion Air flow: m3/min		2.16		3.7		4.7		5.3	
Exhaust Gas flow: m3/min		5.7		8.8		11.8		13.5	
Fuel Tank Capacity: Litres		220		220		220		220	
Engine Governor		Electronic		Electronic		Electronic		Electronic	
Starting Battery v DC		12		12		12		12	
Frequency: Hz		60		60		60		60	
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		2210		2210		2210		2210	
Width: mm		760		760		760		760	
Height: mm		1465		1465		1465		1465	
Weight: Kg Dry		882		962		976		1166	
Canopy Set									
Length: mm		2385		2385		2385		2660	
Width: mm		1100		1100		1100		1100	
Height: mm		1752		1752		1752		1809	
Weight: Kg		1255		1359		1373		1659	

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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