









Standards: 2006/42/EC Machinery safety, 2006/95/EC Low voltage, EN 60204-1: 2006+A1: 2009, EN ISO 12100: 2010, EN ISO 8528-13: 2016, ENISO 13849-1: 2015, EN 60204-1: 2018

PRP: Prime power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO

ESP: The standby power rating is applicable for suppling emergency power in variable load applications in accordance with ISO 8528-1.overload is not allowed.

Conditions: According to the standard, the nominal power assigned by the genset is given for $25\,^\circ\,$ C air inlet temperature, of a barometric pressure of 100 kPA (100 m A.S.L), and 30 % relative humidity.

GENERATOR SPECIFICATION

ITEMS	PRP	EPS
Power	80kVA	88kVA
Power	64kW	70kW
Frequency / Phase / Power factor	50Hz / 3P / PF0.8	
Standard voltage	400/230V	
Available voltage	380/220V · 415/240V	



Water-cooled



Three Phase







GENERAL INSTALLATION

ITEMS	OPEN	SILENT	
Dimension(L*W*H) (mm)	2070*800*1372	2618*1054*1250	
Weight(kg)	1050	1700	
Fueltank(L)	160	170	
Sound pressure level @75% load&1m dB(A) @75% load&7m dB(A)		TBA TBA	





NOTE: Weights and dimensions based on standard products. According to 2000/14/CE, sound data is provided at 7m for 75% prime power. For actual installation, please contact the manufacturer.

E DATA		
	PERKINS	
	1104A-44TG2	
	Diesel	
	Turbocharged	
	Water-cooled	
	Mechanical	
	4L	
	Prime & Standby	
100% ESP(L/H) 100% PRP(L/H) 75% PRP(L/H) 50% PRP(L/H)	20.5 18.7 14.0 9.7	
	100% ESP(L/H) 100% PRP(L/H) 75% PRP(L/H)	



ENGINE SPECIFICATION

BASIC DATA	
Engine brand	PERKINS
Engine model	1104A-44TG2
Displacement	4.4 L
No. of cyl / arrangement	4 L
Bore x stroke	105 x 127mm
Compression ratio	17.25 : 1
Engine speed	1500rpm
Engine type	4-stroke diesel
EXHAUST SYSTEM	

No. of cyl / arrangement	4 L	
Bore x stroke	105 x 127mm	
Compression ratio	17.25 : 1	
Engine speed	1500rpm	
Engine type	4-stroke diesel	
EXHAUST SYSTEM		
Exhaust stack gas temperature (max.)	580 °C	
Exhaust gas flow rate (max.)	13.3 m³/min	
Exhaust system backpressure (maximum allowable)	10 kPa	
FUEL SYSTEM		
Maximum restriction at lift pump	75 kPa	
Max. fuel flow	150 L/H	

COOLING SYSTEM	
Radiator air flow	89 m³/min
Total oil capacity	8.0 L
Total coolant capacity	13 L

DC12V
100Ah(680CCA)
DC12V/65A

Dry type
8 kPa
5.14 m³/min
50°C

ALTERNATOR SPECIFICATION

BASIC DATA		BASIC DATA	
Insulation & temperature rise	Class H/H	Туре	Brushless
Excitation type	Self-excited	No. of bearings	Single bearing
Winding leads	12	Coupling system	Flexible disc
Winding connections (standard)	Star	Maximum over speed	2250 RPM
Winding pitch	Two thirds	Coating type	Vacuum impregnation
Number of phase	Three phase	IP rating	IP23



CONTROL SYSTEM

Key features

Single generator set controllercan be used in prime or standby scenarios



Manual and remote start, MRS application



Auto mains failure, AMF application



Genset power/frequency/factor /voltage/current detection



Engine / alternator / generator protections, emergency stop



Event log / running hours history / maintenance warning, LCD screen

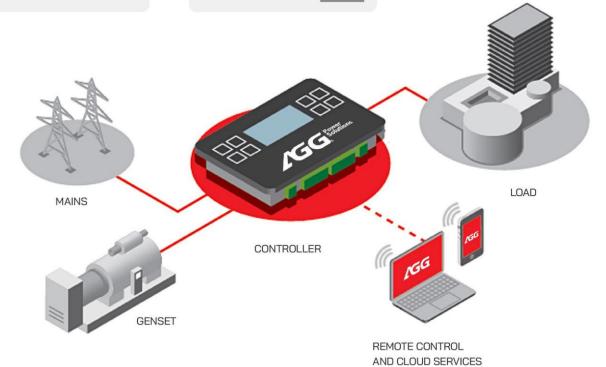


User access management, software and tools are easy to use



Input or output configuration, USB communication port







GENSET VERSION

STANDARD FEATURES

- Diesel engine, 50 degrees radiator, brushless alternator
- · Intelligent controller
- Output circuit breaker (up to1250A)
- Maintenance-free start battery, battery charge, battery switch
- · Steel industrial silencer, exhaust bellows and elbows
- · Steel chasis and anti-vibration shock absorbers
- Lifting and moving structure, expansion of oil and coolant discharge
- · Moving parts protection, hot parts protection
- · Special toolbox, delivery attached documentation

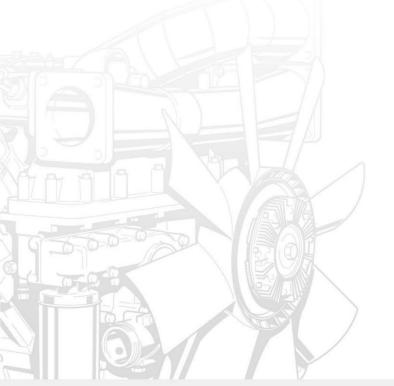












OPTIONAL FEATURES

- Water jacket preheater
- Oil Preheater, oil level maintainer, oil manual pump
- Heavy air filtration
- · Residential silencer
- · Remote radiator, heat exchanger
- PMG/AREP excitation system
- Anti-condensation heater
- ALTERNATOR Winding/bearing RTD
 - Double bearing structure
 - IP44 protection class

CONTROL SYSTEM

ENGINE

- · Synchronizing panel, remote control panel
- RS232/485, 4G & GPS wireless, ethernet communication card
- Additional digital/analog input/output
- Monitoring software, mobile APP
- Ni-Cad batteries

GENERATING SET

- · External fuel tank, automatic fuel feeding
- ATS/output /combining/distribution cabinet
- Load test cabinet
- Mobile trailer
- Customized design

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