



Green Power Systems srl
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●○● MADE IN ITALY



SCHEDA TECNICA / TECHNICAL DATA SHEET / FICHE TECHNIQUE / FICHA TECNICA

GP660

1500 rpm - 50 Hz
1800 rpm - 60 Hz

PERKINS

3^{ph}

Trifase
Three phase
Triphasé
Trifásico



Raffreddato ad acqua
Water cooled
Refroidi à eau
Refrigerado por agua



Motore Diesel
Engine Diesel
Moteur Diesel
Motor Diesel

Perkins

GP660 A/P



GP660 SM/P



PRESTAZIONI DEL GRUPPO	EQUIPMENT SPECIFICATION	PERFORMANCES DU GROUP	PRESTACIÓN DELGRUPO	50Hz	60Hz
PRP	PRP	PRP	PRP	600 kVA	/
ESP	ESP	ESP	ESP	660 kVA	/
Fattore di Potenza	Power factor	Facteur de puissance	Factor de potencia	0,8	
PRP	PRP	PRP	PRP	480 kW	/
ESP	ESP	ESP	ESP	528 kW	/
Tensione disponibile ai morsetti	Voltage available to the terminals	Voltage disponible aux bornes de sortie	Tensión disponible a la bornera	400/230 V	460/265 V

According to the following directives:

Machinery directive: 2006/42/EC
Low Voltage Directive: 2014/35/UE
CEM Directive: 2014/30/UE
Noise directive: 2000/14/EC
Ratings definitions according to ISO8528-1:2005
Reference conditions: Altitude: 100 m / Temperature: 30 °C / Relative humidity: 30%

Standards

Application, ratings and performance of generating set : ISO 8528 – 1 à 10
Application, ratings and performance of generating set : EN 12601

PRP - Prime Power: It is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24 h of operation shall not exceed 70 % of the prime power. A 10% overload capacity is available for a period of 1 hour within a 12-hour period of operation.

ESP – Emergency Standby Power: It is defined as the maximum power available during a variable electrical power sequence, under the stated operating condition, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 hours of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers.



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MOTORE	ENGINE	MOTEUR	MOTOR	50Hz	60Hz
Costruttore e tipo	Brand and model	Constructeur et modèle	Constructor y tipo	Perkins 2806A-E18TAG1A	
Regolatore di giri	Governor type	Régulateur de tours	Regolator de giros	Elettronico Electronic Électronique Electrónico	
Batteria al piombo	Lead acid batteries	Batterie de mise en marche au Pb	Batería en plombo	2X12V 145Ah	
Livello di emissioni	Emission level	Niveau d'émissions	Nivel de emisiones	Not Emissioned	
Potenza Max	Max power	Puissance max	Potencia max	806 Hp	/
N. giri/min	R.P.M.	N. tours/min.	N. giros/min.	1500	1800
N. cilindri	Cylinders	N. cylindres	N. cilindros	6	
Cilindrata	Displacement	Cylindrée totale	Cilindrada	18130	
Consumo specifico al 75% del carico	Fuel consumption at 75% of load	Consommation spécifique à 75% de la charge	Consumo de combustible al 75% carga	90 L/h	/

According to the standards : ISO 3046 / BS 5514 / DIN 6271



ALTERNATORE	ALTERNATOR	ALTERNATEUR	ALTERNADOR	50Hz	60Hz
Costruttore e tipo	Brand and model	Constructeur et modèle	Constructor y tipo	STAMFORD S5L1D-E (*)	
Sincrono con regolazione elettronica della tensione	Synchronous with electronic governor voltage	Synchrone avec régulation électronique de la tension	Sincronico con regulación electrónica de la tensión	AS440 ±1%	
N° poli	Pole	N° pôles	N° polos	4	
Classe aumento di temperatura	Temperature rise class	Class de échauffement	Clase de aumento de la temperatura	H	
Classe isolamento statore/rotore	Stator/rotator insulation	Classe isolation stator/rotor	Clase de aislamiento estador/rotor	H	
Grado di protezione	Protection level	Degré de protection	Grado de protección	IP23	
Potenza continua	Continuous power	Puissance continue	Potencia continua	610 kVA	/

According to the standards : EN 60034-1 / VDE 0530 / IEC 60034-1 / BS 4999-5000

(*) = o equivalente di marca primaria / or similar brand / ou équivalent / o equivalente de marca primaria



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GP660 A/P



GRUPPI APERTI

Telaio autoportante elettrosaldato in acciaio al carbonio con serbatoio giornaliero integrato	Supporti antivibranti tra motore/alternatore e telaio di serie su tutti i gruppi elettrogeni
Verniciatura a liquido RAL 9005	Galleggiante tubolare facilmente estraibile
Tappo rifornimento serbatoio carburante da 2"	Marmitta industriale
Tappo di drenaggio serbatoio carburante sotto al telaio	Rete di protezione alette radiatore
Piedini / tasche per sollevamento con carrello elevatore	Quadro elettrico in posizione posteriore
Foro per fissaggio gruppo al suolo sui piedini	

OPEN TYPE

Heavy-duty electro welded carbon steel frame with integrated daily fuel tank	Antivibration mountings between engine/alternator and frame
Liquid Painting RAL 9005	Tubular float easily extractable
2" tank cap	Industrial silencer
Drainage tank cap under the frame	Fan radiator guards
Forklift truck pockets	Electric control panel located on the back side of the genset
Hole on the legs to fix the genset to the ground	

GROUPES OUVERTS

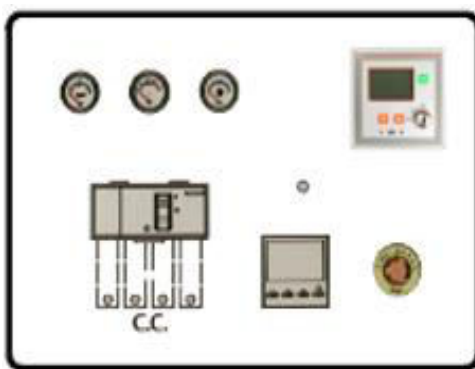
Châssis autoportant soude électriquement en acier au carbone avec réservoir journalier intégré	Supports anti-vibrants entre moteur/alternateur y châssis sur tous les groupes électrogènes
Peinture liquide RAL 9005	Flotteur tubulaire facilement extractible
Bouchon de ravitaillement du réservoir du carburant de 2"	Silencieux de type industriel
Bouchon de drainage réservoir carburant positionné sous le châssis	Filet de protection pour radiateur à ailettes
Béquilles de levage	Panneau électrique monté en position postérieure sur le groupe électrogène
Trou sur les béquilles pour fixation groupe au sol	

GENERADORES ABIERTOS

Chasis electrosoldado en acero al carbono con tanque integrado	Soporte antivibratorios entre motor/alternator y chasis
Pintura en liquido RAL 9005	Flotador tubular fácilmente extraíble
Tapón abastecimiento tanque de 2"	Silenciador industrial
Tapón de drenaje tanque bajo el chasis	Renilla de protección aletas radiador
Pies para levantamiento con carretilla elevadora	Cuadro eléctrico en posición posterior
Foro para fijación grupo al suelo	

Serbatoio incorporato nel basamento	Integrated fuel tank	Réservoir carburant intégré	Tanque incorporado en el basamento	340 L
Dimensioni (mm)	Dimensions (mm)	Dimensions (mm)	Dimensiones(mm)	3400x1400x2100
Peso (Kg)	Weight (Kg)	Poids (Kg)	Peso (Kg)	4600

QUADRI MANUALI MANUAL CONTROL PANELS TABLEAUX MANUELS DE COMMANDE CUADRO DE CONTROL MANUAL



Interruttore magnetotermico	Magnetothermic circuit breaker	Disjoncteur magnétothermique	Interruptor magnetotermico	1000 A
Allaccio diretto al magnetotermico	Direct connection to the circuit breaker	Connexion directe au disjoncteur	Conexión directa al interruptor magnetotérmico	STANDARD
Indicatore livello gasolio	Fuel level gauge	Indicateur niveau gashuile	Indicador de nivel de combustible	STANDARD
Manometro olio	Lube oil pressure gauge	Manomètre pression d'huile	manómetro de aceite	STANDARD
Termometro acqua	Coolant temperature gauge	Indicateur temperature eau	Termómetro temperatura agua motor	STANDARD
Centralina manuale	Manual control unit	Unité de commande manuelle	Unidad de control manual	LOVATO RGK 420
Multimetro digitale	Digital multimeter	Multimètre digitale	Digital multímetro	STANDARD
Pulsante di arresto di emergenza	Emergency stop button	Bouton d'arrêt d'urgence	Botón de parada de emergencia	STANDARD

Centralina per gruppi ad avviamento manuale

Centralina manuale con blocco a chiave e avviamento semiautomatico, protezione motore e misura grandezze elettriche. Display digitale a 4 cifre, lettura di 3 tensioni, corrente, potenza kVA, frequenza, Vdc batteria, contaore. 200 parametri programmabili, 25 segnalazioni allarmi.

LOVATO
electric

RGK40



Key start control unit

Manual control unit with key and semiautomatic start, engine protection and electric parameters measuring. 4 figures LCD digital display, 3 voltages reading, current power kVA, frequency, Vdc battery, hour meter. 200 programmable parameters, 25 alarm signals.

Coffret de control/command

Unité de commande manuelle avec une serrure à clé et démarrage semi-automatique, protection du moteur et mesure des paramètres électriques. Affichage numérique à 4 chiffres, lecture des 3 tensions, courant, puissance kVA, fréquence, Vdc batterie, compteur d'heures. 200 paramètres programmables, 25 signaux d'alarme.

Panel de control manual

Unidad de control manual con cerradura de llave y arranque semiautomática, protección del motor y medición de parámetros eléctricos. Pantalla digital de 4 dígitos, lectura de 3 voltajes, corriente, potencia kVA, frecuencia, batería Vdc, contador de horas. 200 parámetros programables, 25 señales de alarma.

