



Generators

REF. PC5203_3St.00


MODEL | GSW 10-15-22 Perkins


- Liquid cooling Diesel engine.
- Control panel protected by lockable door
- Internal residential muffler.
- Detachable central lifting point.
- Complete with engine and battery liquids.
- Oil draining facilities.
- Baseframe capable to be moved with hand pallet truck.
- Canopy made in zincated steel profiles with green power coated layer.
- Fully bunded / Completely sealed baseframe as option.
- Rental kit as option (POWER ON RENT).
- Optional kit with hydraulic lighting tower completed site trailer.




MODEL			GSW10P	GSW15P	GSW22P
CODE			SU100TPA	SU150TPA	SU200TPA
Three phase	PRIME POWER PRP	kVA (kW)	8,4 (6,7)	13,3 (10,6)	19,5 (15,6)
	EMERGENCY POWER LTP	kVA (kW)	9,3 (7,5)	13,5 (10,8)	21,5 (17,2)
	Voltage	Volt	400	400	400
	Frequency	Hz	50	50	50
	Power factor	Cos φ	0,8	0,8	0,8
	Fuel capacity	Litres	78	78	78
	Autonomy (75/100% load PRP)	h	41,1 / 31,2	28,9 / 21,7	19,5 / 14,7
	Acoustic power	LWA	91	87	87
	Acoustic pressure at 7m	dB(A)	66	62	62
	Dimensions (LxWxH)	mm	1.800x850x1.260	1.800x850x1.260	1.800x850x1.260
	Weight (3ph)	kg	568	636	692
DIESEL ENGINE			Perkins	403D-11G	403D-15G
				403D-15G	404D-22G
Cooling system			Type	Water	Water
Speed			rpm	1.500	1.500
Displacement			c.c.	1.131	1.496
Cylinders and disposition			n° disp.	3 L	3 L
Aspiration			Type	Natural	Natural
Engine power PRP / LTP			kWm	8,4 / 9,3	12,0 / 13,3
Fuel consumption (75/100% load)			l/h	1,9 / 2,5	2,7 / 3,6
Specific consumption PRP			g/kWh	248	254
Engine governor			Type	Mechanical	Mechanical
Electrical system (DC)			Volt	12	12
ALTERNATOR 3ph			Stamford	PI 044F	PI 044F
Insulation			Class	H	H
Mechanical degree protection			Type	IP23	IP23
Voltage regulation			Type (%)	Electronic (±1%)	

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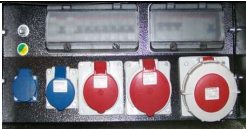


MANUAL CONTROL PANEL (MCP)		GSW10P	GSW15P	GSW22P
 <p>Manual control panel, mounted on the genset and complete of: analogue instrumentation, control, protection of the generating set and sockets, protected through door with lockable handle.</p>	Instrumentation (analogue)	<ul style="list-style-type: none"> • Generating set voltage (1 phase). • Generating set current (1 phase). • Hours-counter. 		
	Commands and others	<ul style="list-style-type: none"> • Start/stop selector switch with key (Glow plugs preheating function also included). • Emergency stop button installed on canopy side. 		
	Protections with alarm	<ul style="list-style-type: none"> • Engine protections: Battery charger failure, low fuel level, low oil pressure, high engine temperature. • Earth Fault. 		
	Protections with shutdown	<ul style="list-style-type: none"> • Engine protections: Battery charger failure, low fuel level, low oil pressure, high engine temperature. • Circuit breaker protection: III poles. 		
	Output sockets	1 x 400V/32A 3P+N+T CE. 1 x 400V/16A 3P+N+T CE. 2 x 230V/16A 2P+T CE. 1 x 230V/16A SCHUKO.		

AUTOMATIC CONTROL PANEL (ACP)		GSW10P	GSW15P	GSW22P
AUTOMATIC CONTROL PANEL (ACP)		<ul style="list-style-type: none"> Generating set voltage (3 phases). Mains voltage. Generating set frequency. Generating set current (3 phases). Battery voltage. Power (kVA - kW - kVAr). Power factor Cos φ. Hours-counter. Engine speed r.p.m. Fuel level (%). Engine temperature (depending on model) 		
	Automatic control panel mounted on the genset, complete with digital control unit AC03 for monitoring, control and protection of the generating set, protected through door with lockable handle.	Commands and others	<ul style="list-style-type: none"> Four operation modes: OFF - Manual starting - Automatic starting - Automatic test. Pushbutton for forcing Mains contactor or Genset contactor. Push-buttons: start/stop, fault reset, up/down/page/enter selection. Remote starting availability. DC system disconnection switch. Acoustic alarm. Automatic battery charger. RS232 Comuncation port. Setable PASSWORD for protection level. Emergency stop button installed on canopy side. 	
		Protections with alarm	<ul style="list-style-type: none"> Engine protections: low fuel level, low oil pressure, high engine temperature. Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage 	
		Protections with shutdown	<ul style="list-style-type: none"> Engine protections: low fuel level, low oil pressure, high engine temperature, Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure. Circuit breaker protection:III poles. Earth Fault included in the control unit. 	
		Ouput	Plinth row for connection from ACP to LTS panel. 1 x 400V/32A 3P+N+T CE	


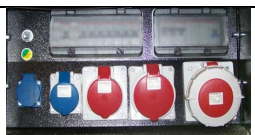

AUTOMATIC CONTROL PANEL (AMF)		GSW10P	GSW15P	GSW22P
AUTOMATIC CONTROL PANEL (AMF)		<ul style="list-style-type: none"> Generating set voltage (3 phases). Mains voltage. Generating set frequency. Generating set current (3 phases). Battery voltage. Power (kVA - kW - kVAr). Power factor Cos φ. Hours-counter. Engine speed r.p.m. Fuel level (%). Engine temperature (depending on model). 		
	Automatic control panel for automatic starting by Mains failure. Delivered loose from the genset, and complete with digital control unit AC03 for monitoring, control and protection of the generating set.	Commands and others	<ul style="list-style-type: none"> Four operation modes: OFF - Manual starting - Automatic starting - Automatic test. Pushbutton for forcing Mains contactor or Genset contactor. Push-buttons: start/stop, fault reset, up/down/page/enter selection. Emergency stop button. Remote starting inhibition availability. Acoustic alarm. Automatic battery charger. RS232 Comuncation port. Setable PASSWORD for protection level. 	
		Change over contactors Mains/Genset	Three phase IV poles - 16 A. IV poles - 20 A. IV poles - 32A.	
		Protections with alarm	<ul style="list-style-type: none"> Engine protections: low fuel level, low oil pressure, high engine temperature. Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage. 	
		Protections with shutdown	<ul style="list-style-type: none"> Engine protections: low fuel level, low oil pressure, high engine temperature, Genset protection: under/over voltage, overload, under/over battery voltage. 	
		Output	<ul style="list-style-type: none"> Plinth row for connection from pre-wired panel (mounted on the genset) to AMF panel. Power cables connected to terminals board (internal). 	

GENSET SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)



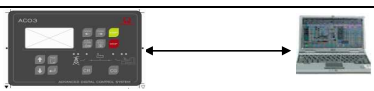



GENSET SUPPLEMENTS

	EBS: EXCITATION BOOST SYSTEM.	
	AFP: AUTOMATIC FUEL TRANSFER PUMP. Not available with KRT.	
	DCC: DIFFERENT CANOPY COLOUR.	
	KRT: RENTAL KIT. Not allowed AFP. Complete of:	
Battery switch.		
Fuel filter water separator.		
Three way valve.		
Earth rod.		
Manual set folder		
External terminal board		
Sockets kit (5 sockets).	1 x 400V/63A 3P+N+T CE.	
	1 x 400V/32A 3P+N+T CE.	
	1 x 400V/16A 3P+N+T CE.	
	1 x 230V/16A 2P+T CE.	
	1 x 230V/16A Schuko.	
<i>with individual CB and Earth Fault protection</i>		
	PHS: COOLANT PREHEATING SYSTEM.	
	KPR: KIT PREMIUM (Completely sealed baseframe + alarm per liquid level in baseframe + Manual oil drain pump)	

CONTROL PANEL SUPPLEMENTS (ONLY AVAILABLE WHEN ORDERED)

CONTROL PANEL SUPPLEMENTS	MPF: MANUAL ANALOGUE CONTROL PANEL FULL OPTION.		
		Instrumentation (analogue)	<ul style="list-style-type: none"> Voltmeter with selector switch (3 phases). Frequency meter. Ammeter with selector switch (3 phases). Hours-counter. Fuel level indicator. Oil pressure indicator. Engine temperature indicator.
		Commands and others	<ul style="list-style-type: none"> Start/stop selector switch with key (single key system) Emergency stop button.
		Protections with alarm	<ul style="list-style-type: none"> Engine protections: low fuel level, low oil pressure, high engine temperature, battery charger failure. Earth Fault.
		Protections with shutdown	<ul style="list-style-type: none"> Engine protection unit: low fuel level, low pressure oil, high engine temperature, battery charger failure. Circuit breaker protection: III poles.
		Output	Power cables connection to Circuit Breaker.
	Sockets kit (5 sockets). <i>with individual CB and Earth Fault protection</i>		<div> <div> 1 x 400V/63A 3P+N+T CE. 1 x 400V/32A 3P+N+T CE. 1 x 400V/16A 3P+N+T CE. 1 x 230V/16A 2P+T CE. 1 x 230V/16A Schuko. </div>  </div>
ACCESSORIES	ETB: EXTERNAL TERMINAL BOARD. Heavy duty copper bars of easy external power cables connection. 		
	RSS: REMOTE START/STOP. Only for MCP.		
	TIF: IV POLES CIRCUIT BREAKER INSTEAD OF III POLES.		

ACCESSORIES

ACCESSORIES	LOAD TRANSFER SWITCH PANEL.		GSW10P	GSW15P	GSW22P
		Change over contactors	Three phase		
			IV poles - 16 A.	IV poles - 20 A.	IV poles - 32A.
		Connections	<ul style="list-style-type: none"> Plinth row for connection from ACP to LTS panel. Terminals board for power cables connection (Genset-Mains-Load). 		
		Protections	<ul style="list-style-type: none"> Contactors mechanically and electrically interlocked. Emergency stop button. 		
	GSB: GALVANIZED SKIDS. Heavy duty galvanized skid to be installed under the genset. Easily transportable with fork lift. 				
	RCG: REMOTE CONTROL BY GSM KIT (kit for genset management and control by remote PC; communication available by means of RS232 directly to PC or through GSM modem). Others remote monitoring system under request. These kits are only available on the automatic versions. 				
ACCESSORIES	STR: SITE TRAILER. Single axle.				
	RTR: ROAD TRAILER (only for Spanish territories). Single axle.				
	HLT: HYDRAULIC LIGHTING TOWER COMPLETE WITH SITE TRAILER. (Only per threephase generator) It can be supplied with two different types of lights: <ul style="list-style-type: none"> Lights of quartz-iode halogen (6 x 1.500W) IP55. Lighting capacity: 200.000 lumen approx. Lights of metal halide (6 x 400W) IP55. Lighting capacity: 200.000 lumen approx. It is also equipped with 0,55kW electric motor, control panel (with circuit breaker protection) and hydraulic device to control the 9m extensible tower. 				

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