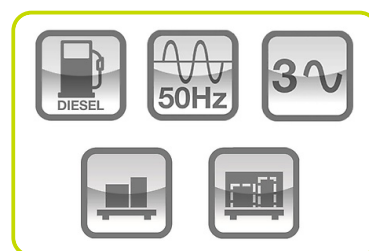


# GDW\_65P/FNE



## Power Rating

Emergency Standby Power ESP	kVA	66.3
Emergency Standby Power ESP	kW	53.0
Prime power PRP	kVA	60.1
Prime power PRP	kW	48.1
Voltage	V	400/230
Frequency	Hz	50
Power factor	cos $\phi$	0.8
Phases		3
Fuel		Diesel



## Ratings definition (ISO-8528)

### ESP - Emergency Standby Power:

It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, 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 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

### 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.

### Engine specifications

Engine brand	Perkins	
Model	1103A-33TG2	
Operation Speed Nominal	rpm	1500
Engine cooling system	Water	
Exhaust emission level	Non Emission Certified	
Nr. of cylinder and disposition	3 in line	
Displacement	cm <sup>3</sup>	3300
Aspiration	Type	Turbocharged
Speed governor	Mechanical	
Gross Engine Power ESP	kWm	60.5
Gross Engine Power PRP	kWm	55
Fan Power	kWm	1.2
Fan Air flow	m <sup>3</sup> /min	89
Total Oil capacity	l	8.3
Lube oil consumption PRP (max)	% fuel consumption	0.15
Total Coolant capacity	l	10.2
Fuel	Diesel	
Specific Fuel consumption 75% PRP	g/kWh	211.8
Starting system	Electric	
Electric circuit	V	12

### Alternator specifications

Alternator brand	Mecc Alte	
Model	ECP32-2M4 C	
Winding	Standard	
Winding Connections	Type	Series Star
Frequency	Hz	50
Voltage	V	400
Phases	3	
Power factor	cos $\phi$	0.8
Stand-by rating 27°C	kVA	68.8
Continuous Nominal Rating 40°C	kVA	62.5
Efficiency @ 100% of load	%	89.4
Type	Brushless	
Poles	4	
Voltage tolerance	%	1
Class	H	
IP protection	23	

### Installation data

Cooling air	m <sup>3</sup> /min	108
Exhaust gas flow PRP	m <sup>3</sup> /min	10.1
Exhaust gas temperature	°C	571
Fuel consumption 75% PRP	l/h	10.33
Fuel consumption 100% PRP	l/h	13.90



### Fuel Tank - Autonomy

Fuel tank location		Internal
Fuel tank material		Metal
Fuel tank capacity	l	65
Running time 75% PRP	h	6.29
Running time 100% PRP	h	4.68



### Electrical Data

Battery Voltage	V	12
Battery	n	1
Battery capacity	Ah	80
Genset Voltage	V	400/230
Frequency	Hz	50
Phases		3
Power Factor	cos $\phi$	0.8
Max current	A	96
Nominal current	A	87
Circuit breaker	A	100



### ACP - AUTOMATIC CONTROL PANEL

- Auto Mains Failure (AMF) function
- Gen-set controller for single genset operating in standby or prime power modes
- Full gen-set monitoring and protection
- Detailed event and performance log with time and date
- Wide range of remote control modules available as option
- Wide range of I/O expansion modules available as option

Power supply by circuit breaker and/or terminal bus bar



### CONTROL PANEL - Optional Equipment:

External terminal board	ETB
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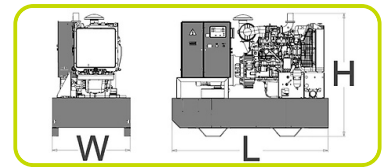
## OPEN VERSION

- Baseframe made of welded steel profile
- Anti-vibration mountings properly sized
- Screwed support legs
- Hole for handling by crane
- Moving and rotating parts protection against accidental contact
- Grounding point to connect all metal parts to ground



### Dimensional data Open Version

Length	(L) mm	1875
Width	(W) mm	1000
Height	(H) mm	1203



Weight	Kg	823
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### OPTIONS AVAILABLE (ONLY FOR OPEN VERSION)

Industrial Exhaust System	IES
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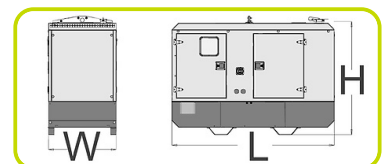
## CANOPY VERSION

- Weatherproof Enclosure made of galvanized sheet metal allows to protect genset from corrosion and aggressive condition
- Soundproofed enclosure tanks to high quality soundproof material and residential silencer, allows to have low noise emission level
- Big large lateral doors allows an easy service and maintenance operation
- Doors equipped with key lockable handles
- Baseframe made of welded steel profile
- Anti-vibration mountings properly sized
- Screwed support legs
- Hole for handling by crane
- Moving and rotating parts protection against accidental contact
- Grounding point to connect all metal parts to ground



### Dimensional data Canopy Version

Length	(L) mm	2200
Width	(W) mm	1020
Height	(H) mm	1292



Weight	Kg	1037
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### Noise Level Canopy Version

Guaranteed noise level (LWA)	dB(A)	93
Noise pressure level @ 1 m	dB(A)	76
Noise pressure level @ 7 m	dB(A)	64



## OPTIONAL FEATURES

To be ordered with equipment (when necessary)	:
Pre-Heating System	PHS
Leak proof tray	LPT
Differential Protection	ADI

