Fiche technique

DEPARTEMENT OUTILLAGE

GROUPE ELECTROGENE 30KVA DIESEL TRIPHASE - MOTEUR PERKINS

FIRMAN® NEW POWER NEW LIFE

Generator Model:	SDG30PM	PERKINS 1103A-33G	Mecc Alte ECP30 3M4C

Frequency 50HZ	3Phase4Wire	Power Factor Cosφ=0.8

RATINGS		PRIME POWER		STANDBY POWER	
		SDG30PM			
Voltage	Amps	kVA	kWe	kVA	kWe
400	48	**30**	24.0	**33**	26.0

DEFINITION OF RATINGS

Prime power 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 24h of operation shall not exceed 70% of the PRP.

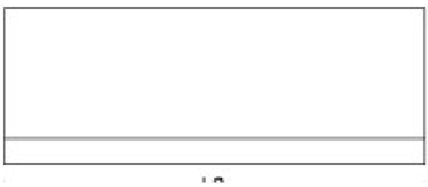
Emergency standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions for up to 200h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output over 24h of operation shall not exceed 70% of the ESP.

Standard Reference Conditions: air inlet temperature 25°C (77°F), barometric pressure 100kPa [110m (361ft) altitude] and 30% relative humidity.

Note: The above ratings may be subject to derate at different operating conditions.

Key Features:

- Efficient water cooled diesel engine.
- Radiator with pressure cap and drain point
- Fully guarded engine-driven fan
- Fully welded steel baseframe with lifting points
- Various fuel system options
- Heavy duty rubber anti-vibration mountings
- 24V starter batteries and connecting cables
- Engine-driven battery charging alternator
- Spin on oil and fuel filters and dry type air filter element
- Auto Start control with digital instrumentation
- Factory Test Certificate
- Operation & Maintenance Manual
- Optional extra features available



Overall Dimensions

L2ngdzedzǊ (L1) =2300 mm
LI·ǊgedzǊ (W1) =1000 mm
I I·dzűedzǊ (I 1)=1пp0mm
t2ʎŘă=1c00 ʅg

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SDG30PM

2020-rev00

ENGINE			PERKINS 1103A-33G		
General Data			Units	PRIME	STANDBY
	Engine Speed		r/min	1500	
	Gross Power		kWm	28.2	31
	Governor/Class			Mechanical	
	Cylinder No.			3	
	Cycle			Four stroke	
	Cylinder arrangement			Vertical in-line	
	Type of injection			Direct injection	
	Aspiration			Narually Aspirated	
	Cooling mode			Water cooled	
	Bore and stroke		mm	105x127	
	Compression ratio			19.25:1	
	Displacement		L	3.3	
	Battery capacity		A/hr	80	
	Direction of rotation(Facing output end)			Counter clockwise	
	Steady speed regulation		%	≤5	
	Lubricanting Oil Capacity		L	8.3	
	Coolant Capacity		L	10.2	
	Fuel Type			0# Diesel (Natural temperature)	
	Filter system			Adopt lubricating oil , fuel and air filter	
	Exhaust system			Adopt industrial high efficiency silencer	
	Fuel Consumption at	100% Load	L/h	7.2	
		75% Load	L/h	5.61	
		50% Load	L/h	4.06	

ALTERNATOR			Mecc Alte ECP30 3M4C
General Data		Units	
	Alternator Type		A.C. Synchronous
	Rated Voltage		230V/400V
	Rated Frequency		50HZ
	Rated Speed		1500 RPM
	Poles		4
	Alternator Voltage Regulation	%	≤±1
	Waveform Distortion		no load ≤1.5%; Non-distorting
	Telephone Interference	%	THF≤2
	Exciting Mode		self exciting
	Power Factor		0.8
	Phase & Wires		3 phase 4 wires
	Rated Current	A	48
	Efficiency	%	85.50%
	Insulation Class		H
	Protection Class		IP23
	Max. Ambient Temperature	℃	40

CONTROLLER			DEEPSEA DSE7320
Automatic Control System	**Panel Configure:**		**Warnings(W) and shut down alarm (S)**
	1 Automatic control module×1	**1**	Low oil pressure (W+S)
	2 Emergency stop button×1	**2**	Coolant over temperature(W+S)
	3 AC main circuit breaker×1	**3**	Failed start (W)
	Digital display:	**4**	Battery over and under voltage(W)
	1 Mains and generator voltage	**5**	Battery charge failure(W)
	2 3-phase gernerator current	**6**	Engine over and under speed (W+S)
	3 Mains and generator frequency	**7**	Gernerator over and und voltage(W+S)
	4 Out put(kva,kW,kvar,cos(phi)	**8**	Gernerator over and und frequency (W+S)
	5 Battery voltage	**9**	KW overload trip (W)
	6 Engine speed	**10**	Delayed over current(W)
	7 Fuel level	**11**	Emergency stop (W)
	8 Oil pressure		
	9 Water temperature		
	10 Run hours		

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Merci de vous rapprocher de nos commerciaux pour plus d'informations.