» Generator set data sheet 1041.3 kVA Standby



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Spec sheet:			SS13-CP	SS13-CPGK				
Noise data sheet (Open/enclosed):			ND50-OS	SHHP / ND	50-CS550			
Airflow data sheet: Derate data sheet (Open/enclosed):		AF50-HH	Р					
		DD50-OS	DD50-OSHHP / DD50-CSHHP					
Transient data sheet:			TD50-HH	Р				
Standby				Prime				
Fuel consumption	kVA (kV		kVA (kW)					
Ratings	1041.3	(833)			938.8 (751)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	12.0	21.5	32.9	44.8	11.2	20.7	30.5	40.4
L/hr	54	98	150	204	51	94	139	184
Engine			Standby	Standby rating Prime rating				
Engine manufacturer			Cummins					
Engine model			QST30-G	i3				
Configuration			Cast Iron	Cast Iron, 50° V12 Cylinder				
Aspiration			Turbo Charged and After-Cooled					
Gross engine power output, kWm			895	895		806	806	
BMEP at set rated load, kPa			2358	2358 2117				
Bore, mm			140	140				
Stroke, mm			165.1					
Rated speed, rpm			1500					
Piston speed, m/s			8.3					
Compression ratio			14:1					
Lube oil capacity, L			133					
Overspeed limit, rpm			2100 ±50					
Regenerative power, kW			78					
Governor type			Electronic	Electronic				
Starting voltage		24 Volts DC						
Fuel flow								
Maximum fuel flow, L/hr			550					
Maximum fuel inlet restriction, mm Hg			203					
Maximum fuel inlet temperature (°C)			66					
Air								
Combustion air, m ³ /min			56.2 51.8					
Maximum air cleaner restriction, kPa			6.2					



Exhaust	Standby rating	Prime rating
Exhaust gas flow at set rated load, m³/min	163	146
Exhaust gas temperature, C	563	541
Maximum exhaust back pressure, kPa	10.2	

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Standard set-mounted radiator cooling

Ambient design, [°] C	40			
Fan Ioad, KW _m	18.6	18.6		
Coolant capacity (with radiator), L	84	84		
Cooling system air flow, m3/min @ 12.7mmH2O	15.5			
Total heat rejection, BTU/min	22970	21200		
Maximum cooling air flow static restriction mmH2O	25.4	25.4		

Open set derating factors kVA (kW)

Note: Standard open genset options running at 400V, 150m above sea level. For enclosed product derates, please refer to datasheet - DD50-CSHHP.

Standby 1041.3 (833) 1041.3 (833) 1041.3 (833) 1041.3 (833) RT	
	RTF
Prime 938.8 (751) 938.8 (751) 938.8 (751) 938.8 (751) R1	RTF

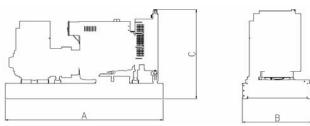
Weights*	Open	Enclosed
Unit dry weight kgs	6117	RTF
Unit wet weight kgs	6296	RTF

* Weights represent a set with standard features. See outline drawing for weights of other configurations

Dimensions	Length	Width	Height
Standard open set dimensions	4297	1685	2079
Enclosed set standard dimensions	RTF	RTF	RTF

Genset outline

Open set



Enclosed set



Outlines are for illustrative purposes only. Please refer to the genset outline drawing for an exact representation of this model.



Alternator data

Feature code	Connection ¹	Temp rise degrees C	Duty ²	Alternator	Voltage
B729	Wye, 3 Phase	150/125C	S/P	HC6J	380-440V

Ratings definitions

Ratings demitions			
Emergency Standby Power (ESP)	Limited-Time running Power	Prime Power (PRP):	Base Load (Continuous) Power
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	Applicable for supplying power to a constant electrical load for limited hours. Limited Time Running Power (LTP) is in accordance with ISO 8528.	varying electrical load for unlimited hours. Prime Power (PRP) is in	Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.

Formulas for calculating full load currents:

Three phase output

Single phase output

kWx1000 Voltagex1. 73x0.8 kWxSingleP haseFactor x1000 Voltage

See your distributor for more information.

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