

Model: C1500 D6
 Frequency: 60
 Fuel Type: Diesel

» Generator set data sheet
 1931.3 kVA Standby



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Spec sheet:	SS16-CPGK
Noise data sheet (Open/enclosed):	ND60-OSHHP/ND60-CSHHP
Airflow data sheet:	AF60-HHP
Derate data sheet (Open/enclosed):	DD60-OSHHP/DD60-CSHHP
Transient data sheet:	RTF

Fuel consumption	Standby				Prime			
	Kw (kVA)				Kw (kVA)			
Ratings	1545 (1931.3)				1286 (1607.5)			
Load	1/4	1/2	3/4	Full	1/4	1/2	3/4	Full
US gph	27.1	45.2	64.6	86.2	24.4	39.6	56.5	72.5
L/hr	124	206	294	392	111	180	257	330

Engine	Standby rating	Prime rating
Engine manufacturer	Cummins	
Engine model	KTA50G9	
Configuration	Cast Iron, 60° V16 Cylinder	
Aspiration	Turbo Charged and Low Temperature After-Cooled	
Gross engine power output, kW/m	1656	1384
BMEP at set rated load, kPa	2221	1835
Bore, mm	159	
Stroke, mm	159	
Rated speed, rpm	1800	
Piston speed, m/s	9.5	
Compression ratio	13.9:1	
Lube oil capacity, L	204	
Overspeed limit, rpm	2100 ±50	
Regenerative power, kW	116	
Governor type	Electronic	
Starting voltage	24V Volts DC	

Fuel flow	
Maximum fuel flow, L/hr	570
Maximum fuel inlet restriction, mm Hg	203
Maximum fuel inlet temperature (°C)	70

Air	
Combustion air, m³/min	124.7 116.2
Maximum air cleaner restriction, kPa	6.2



Exhaust	Standby rating	Prime rating
Exhaust gas flow at set rated load, m ³ /min	302	272
Exhaust gas temperature, °C	515	470
Maximum exhaust back pressure, kPa	6.7	

Standard set-mounted radiator cooling		
Ambient design, °C	40	
Fan load, KW _m	39	
Coolant capacity (with radiator), L	310	
Cooling system air flow, m3/min @ 12.7mmH2O	22.7	
Total heat rejection, BTU/min	61830	52220
Maximum cooling air flow static restriction mmH2O	0.12	

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 - DD60-CSHHP.

	27°C	40°C	45°C	50°C	55°C
Standby	1931.3 (1545)	1890 (1512)	1833.8 (1467)	1776.3 (1421)	RTF
Prime	1607.5 (1286)	1607.5 (1286)	1607.5 (1286)	1607.5 (1286)	RTF

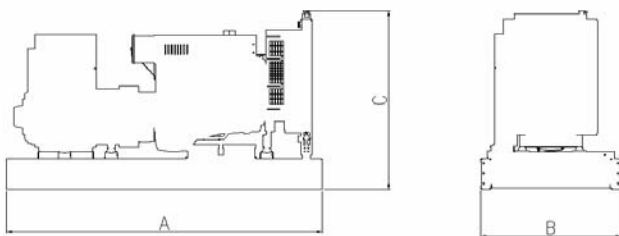
Weights*	Open	Enclosed
Unit dry weight kgs	10024	RTF
Unit wet weight kgs	10326	RTF

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

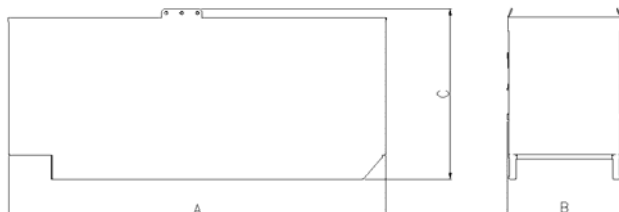
Dimensions	Length	Width	Height
Standard open set dimensions	5690	2033	2330
Enclosed set standard dimensions	RTF	RTF	RTF

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
B595	#N/A	#N/A	#N/A	P7F	#N/A
B691	Wye, 3 Phase	150/125C	S/P	P7D	440V
B713	#N/A	#N/A	#N/A	P7E	#N/A
B714	#N/A	#N/A	#N/A	P7D	#N/A

Ratings definitions

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.	Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.	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

$$\frac{\text{kW} \times 1000}{\text{Voltage} \times 1.73 \times 0.8}$$

Single phase output

$$\frac{\text{kW} \times \text{SinglePhaseFactor} \times 1000}{\text{Voltage}}$$

See your distributor for more information.

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