

Generator
Cummins Power Generation DFLE

Document No G0810899
Date 15-Mar-07
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MODEL

Model reference	GN1500STDCON, GN74G
Model size and rating	1500 kW
Bill of Material reference number	B0000987A

MANUFACTURER

Model Reference	Cummins (Jupiter) 1500 DFLE
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PERFORMANCE DATA

Design Rating	kW 1500
Maximum Ambient	°F 95

ELECTRICAL DATA

Continuous Power (COP)	kW 1100
Prime Power (PRP)	kW 1250
Power/Standby	kW 1500
Voltage Capability	480 @ 60Hz
Frequency	60Hz

ENGINE

Make/Type	Cummins KTA50-G9
Cylinders and Form (V)	16 VEE
Aspiration	Turbo Charged
Fuel Pump	Direct Inject/Cummins PT
Governor Make/Type	Onan/Electronic
Steady State Frequency	+/- 0.5%
Battery Voltage (VDC)	V 24
Fuel Type	Diesel

CIRCUIT BREAKER

Make/Type	GE Powerbreak II
Number of Poles	3
Rating	Amp 2500

ALTERNATOR

Class F Temp Rise (105°C)-3ph	kW 1250
Ends Out	12
AVR	PCC-1
Make	Stamford New Age
Regulation	+/-0.5%
Speed	1800 @ 60hZ

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LOAD TERMINALS

Type	Lugs/Buss Bar
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FUEL CONSUMPTION

Standby/Fuel Stop	US gal 103.6
100% Prime Power	US gal 87.3
75% Prime Power	US gal 68
50% Prime Power	US gal 47.6

EXHAUST EMISSIONS

Specific Load	1855 BHP 100% Prime +/-2%
NOx - Oxides of Nitrogen	7.00 g/BHP-h
PM - Particulate Matter	0.13 g/BHP-h
CO - Carbon Monoxide	1.00 g/BHP-h
HC - Unburnt Hydrocarbons	0.18 g/BHP-h

EXHAUST SILENCER

Make/Type	Cummins
Permissible back pressure	2 (ins) Hg

RUNNING HOURS

100% Prime (hours)	18.77
75% Power (hours)	28.6
50% Power (hours)	40.86

NOISE DATA

Sound Pressure at 7M/21Ft	74dBA
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OTHER CAPACITIES AND DIMENSIONS

Lube Capacity (total)	US gal 54
Lube Capacity (pan)	US gal 2247
Coolant Capacity (JW)	US gal 43.5

NOTES

Trailer TIP

PHYSICAL CHARACTERISTICS

Length	in 480
Width	in 96
Height	in 162
Gross Weight	lbs 52,800
Net Weight	lbs 50,800
Gross Fuel	US Gal 1,945
Net Fuel	US Gal 1,945

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