

MGEN 500

Power Ratings

Standby

Prime

kW

kVA

kW

kVA

Diesel

400.0

500.0

400.0

500.0

ENGINE SPECIFICATION

ENGINE SPECIFICATION	Damlier
Model	Series 60
Emissions	US EPA Certified
Engine speed (rpm)	1800
Max. HP Power 1800 rpm	515 ISO3046
Cylinder arrangement	I-6
Combustion system	Compression
Aspiration	Turbocharged
Engine type	Diesel
Fuel	Diesel
Number of Cylinders	6
Displacement (liters)	14.0
Bore and Stroke (mm)	106x168
Cooling	Coil and Tube
Governor	Integrated Isochrones
Starting aids	None
Compression ratio	17:1
Air cleaner type	Dry
Exhaust Configuration	EPA Tier 3
Fuel switch	NA

ENGINE ELECTRICAL SYSTEM:

Starting motor voltage	24DCV
Charger Amps	55
Battery Ampere Hours	200AH/1000CCA
ALTERNATOR:	
Configuration	4 Pole 3 Phase/NEMA Class H Insulation
Frequency	60HZ
Voltage regulation	Automatic
No load to full load voltage regulation	Digital
Coupling	Direct
Bearing	Single
Manufacturer	Marathon
Model	431CSL6206
Load acceptance	100% Single Step
Compliance	UL
Construction	Single Bearing Marine Insulation

COOLING SYSTEM FOR OPERATING AT 120° AMBIENT:

Cooling System	Radiator CAC Combo
Engine Coolant Capacity: Gallons	TBD
Fan	Pusher
Radiator	CPSSI
Cooling air flow - @ 1" Static H2O Pressure and 125F	24,579

FUEL CONSUMPTION: lbs/hour NG Standby rating 1800 LBS/HP/HR

100%	198
75%	187
50%	115
25%	85

LUBRICATING SYSTEM:

Total lubricating capacity quarts (Liter)	129/122
Recommended lubricating oil grade	Low Ash Diesel Engine oil
Oil Pressure Minimum 1800RPM –(bars)	3.24
Maximum Allowable Oil Temperature (C)	110C

CONTROL PANEL SPECIFICATIONS:

Model	Basler 2020HD
Microprocessor based	Yes
Operating power	24V
Consumption	
Remote communication capability	Yes

ENCLOSURE AND ARRANGEMENT OF COMPLETE ASSEMBLY:

Coupling	Flexible
Enclosure	Yes
Base arrangement	Generator and Containment
Spill containment	100%

KEY DIMENSIONS AND WEIGHT

Description (inches)	Height	Width	Length	Weights	Dry weight lbs	Wet Weight lbs	Sound dBA
Open Set							
Enclosed Set	119"						
Trailer mounted							
W1							
W2		96"	252"				
W3							
Open Set		NA			NA		
Enclosed Set		19865			20760		81
Trailer mounted		21605			22500		

