



Description:

POWERFORCE® Oil & Gas industry generators are designed to meet the rugged demands of the Oil & Gas industry environment, from exploration to production.

Each model has been designed to provide reliable continuous power for typical Oil & Gas industry electrical loads. All models are extensively tested to ensure they meet the performance requirements of the industry.

POWERFORCE® generators are packaged in our purpose-built generator assembly and test facility. Each set goes through a fully documented test procedure before leaving our plant.

POWERFORCE® models utilize the PSI Natural Gas engines governed to run at 1800 rpm for long life and durability.

All Oil & Gas industry generators are designed and packaged as Prime Power Rated sets. See rating below for prime power kW.

Standard Features:

- Air Filter System - Single Stage Replaceable Filter
- NG Exhaust System: Catalyst and USFS Spark Arrestor
- Lubrication - Murphy/Kenco Oil Replenishment
- Deep Sea Generator Controller
- Safety Shutdown - Low Oil Pressure; Low Coolant Level, High Oil Temp

Optional Equipment:

- Block Heater - Kim Hotstart 6000W; 7.2A; 480V
- Cold Weather Options - CCV, Fuel Train, Scrubber Available
- LPG secondary fuel

POWER RATINGS	STANDBY		PRIME	
Gaseous Fuel	kW	kVA	kW	kVA
Natural Gas (NG)	48	60	43	53.75
Amperage	72		64	

ENGINE SPECIFICATION	
Manufacturer	PSI
Model	4.3L
Emissions	US EPA Certified
Engine speed (rpm)	1800
Max. HP Power 1800 rpm	78 HP(m) per ISO3046
Cylinder arrangement	V6
Combustion system	Stoichiometric
Aspiration	Naturally Aspirated
Engine type	Gasoline Derivative
Fuel	Natural Gas / LPG
Number of Cylinders	6
Displacement in ³ (liters)	262 (4.3)
Bore and Stroke inches (mm)	4.4 (101.6x101.6)
Cooling	Coil and Tube
Governor	Integrated Isochrones
Starting aids	None
Compression ratio	9.8:1
Air cleaner type	Dry
Exhaust Silencer dBA	USFS Spark Arrestor
Fuel switch	Automatic (if equipped)

ELECTRICAL ENGINE SYSTEM	
Starting motor voltage	12DCV
Charger Amps	45
Battery Ampere Hours	Group 31/950CCA

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	Stamford
Model	UC1224D
Load acceptance	100 % Single Step
Compliance	NEMA, IEEE, CSA
Construction	Single Bearing Marine Insulation

CONTROL PANEL: DSE4520, DIGITAL GENSET CONTROLLER



Warranty/Disclaimer:

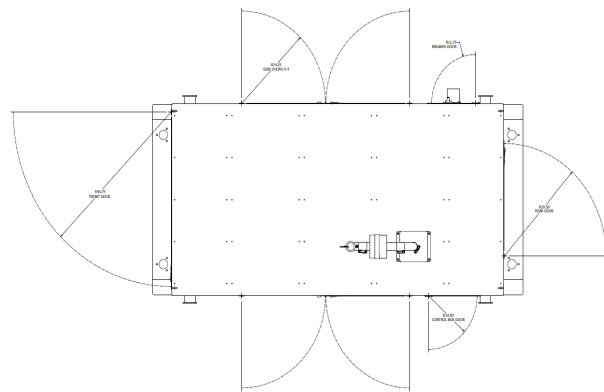
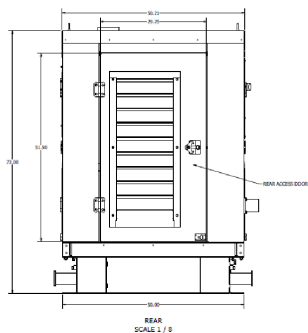
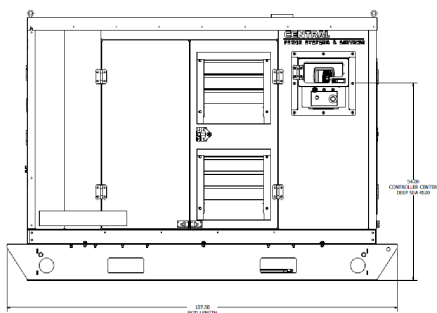
Except as may be expressly covered under applicable manufacturer(s) parts/product warranty, Central Power Systems & Services (CPS&S) liability arising out of service, repairs, or workmanship shall not exceed the cost of the original repair or service. Further, under no circumstances shall CPS&S be liable for incidental, consequential or other economic loss damages to customer. This includes but may not be limited to loss of use of equipment or vehicle, down time, inconvenience, cargo damage, overtime or any other costs or expenses resulting from services, repairs or workmanship.

The DSE-4520 is a is equipped with a proven generator digital controller for rugged environments such as C&I applications, drill platforms, pump jack sites, and landfills. The premium control box has the capability to control the generator set manually, remotely or automatically.

- NFPA-110 compliant
- User friendly, microprocessor-based controls
- High contrast display is easy to see outdoors

LUBRICATING SYSTEM	
Total lubricating capacity quarts (Liter)	4.5/4.25
Recommended lubricating oil grade	SAE 15W-30 API Rating of SM or Newer
Oil Pressure Minimum 1800RPM - psi (bars)	TBD
Maximum Allowable Oil Temperature F (C)	250 (121)
COOLING SYSTEM FOR OPERATING AT 120° AMBIENT	
Cooling System	Radiator
Engine Coolant Capacity Gallons (Liters)	Pusher
Fan	Pusher
Radiator	PSI
Cooling Air Flow	TBD
ARRANGEMENT	
Coupling	Flexible
Enclosure	Yes
Base arrangement	Generator and Containment
Spill containment	100%

DIMENSIONS, WEIGHTS & SOUND LEVELS



FUEL DATA		GENERATOR SET ENCLOSURE DIMENSIONS *(ALL DIMENSIONS ARE IN INCHES AND ARE APPROXIMATED)						
Type	Consumptions (cu. Ft./hour)	Length	Width		Height		Weight lbs	dBA
Natural Gas/LPG	530/ NG	107.5"	Inches	Feet	Inches	Feet		
			50.21"	4.10'	72.00"	6.00'	5000	81

All data subject to change without notice. The information in this white-page specification is believed to be accurate but all recommendations are made without warranty, since the conditions of use are beyond Central Power Systems & Services control. Central Power Systems & Services disclaims any liability in connection with the use of this information and does not warrant against infringement by reason of the use of any of its products in combination with other material or in any process. Central Power Systems & Services warrants only that the product complies with specifications agreed to in contracts of sale. Central Power Systems & Services reserves the right to change any of the technical information and data detailed in this paper.