

NORTHSTAR

Power Systems

NSPS 100

PRIME RATING:	110 KW
STANDBY RATING:	100 KW
ENGINE TYPE:	PERKINS
ALTERNATOR TYPE:	NEWAGE
OPERATING SPEED:	1800 RPM
VOLTAGE:	460 V
PHASE:	60 HZ



KEY FEATURE

- Easy to operate and maintain.
- Designed for long term, reliable operation.
- Rubber mounted engine and generator. Minimizes vibration and extends the life of the batteries and housing.
- Camlock connections for easy connect and disconnect.
- Welded steel skid with built in fuel tank.
- Includes industrial muffler, batteries, and block heater.
- Full load tested prior to shipment.
- 1- Year Limited Warranty.

ENGINE

- Perkins
- State of the art design, reliable engine.
- Low emissions. EPA Tier III and EU Stage II standards.
- Excellent fuel economy.
- Low operating costs.
- Global support network.

GENERATOR

- Standby rated.
- Brushless rotating field.
- Class H winding insulation for maximum protection.
- Meets or exceeds BS EN 600034, BS 5000, VDE 0530; NEMA MG1-32, ICE 34, CSA C22.2, AS 1359.

CONTROLS

- JCAN Controls, by Controls Inc.
- Full display for engine and generator.
- Manual & Auto Start.
- Fault Code Reader.
- Large and easy to read display.
- Simple to operate.

- NFPA Compliant

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GENERAL SPECIFICATIONS

ENGINE

MANUFACTURER:	PERKINS	ROTATION:	ANTI-CLOCKWISE
MODEL:	1106C-E66TAG2	COOLING SYSTEM:	WATER
TYPE:	DIESEL	AIR INLET:	MOUNTED AIR FILTER AND TURBOCHARGER
NO. CYLINDERS:	6 IN-LINE	LUBRICATION SYSTEM:	FLAT-BOTTOMED ISOLATED ALUMINUM SUMP
BORE AND STROKE:	105MM X 127 MM	COOLING SYSTEM:	RADIATOR AND WATER PUMP
DISPLACEMENT:	6.6 LITERS	ELECTRICAL EQUIPMENT:	12 V STARTER, ALTERNATOR, GLOW PLUGS, GOVERNOR
ASPIRATION:	TURBOCHARGED AIR- AIR CHARGE COOLED	FLYWHEEL AND HOUSING:	SAE3 FLYWHEEL HOUSING
CYCLE:	4 STROKE		
COMBUSTION SYSTEM:	DIRECT INJECTION		
COMP. RATIO:	16.2:1		

ALTERNATOR

MANUFACTURER:	NEWAGE	SPEED:	1800 RPM
MODEL:	UCI274F	NO. OF LEADS:	12
OUTPUT RATING:	150KW STAND BY	AVR:	SX460
VOLTAGE:	480 V	EXCITATION:	BRUSHLESS
PHASE:	60 HZ	INSULATION:	CLASS H
POWER FACTOR:	0.8	TEMP. RISE:	105 C

GENERATOR CONTROLLER

MANUFACTURER:	CONTROLS INC.	INPUTS	
POWER CONSUMPTION:	7.5 VDC – 36 VDC	VOLTAGE INPUT:	(3) 0 – 600VAC
OPS. TEMPERATURE:	-20C TO 70C	TRANSFORMER INPUT:	(3) 5A
STORAGE TEMP:	-30C TO 80C	FREQUENCY INPUT:	50HZ – 6-HZ
HUMIDITY:	95% NON-CONDENSING	EMERGENCY STOP:	YES
POLARITY PROTECTION:	REVERSE PROTECTION	OUTPUTS	
TRAN. VOLTAGE PROT:	YES	RUN OUTPUT:	10A RELAY
DISPLAY:	LCD, 1" H X 4" W	CRANK OUTPUT:	10A RELAY
ENCLOSURE:	COATED STEEL	PRE ALARM OUTPUT:	10A RELAY
OVERLAY/INTERFACE:	AUTOTEX POLYESTER	ALARM OUTPUT:	10A RELAY
PANEL FUSE:	10A		

OPTIONS AND ACCESSORIES

- 220 GAL – 700 GAL UL FUEL TANKS.
- DOT FUEL TANK BAFFLES AND CAPS.
- DOT TRAILERS
- AUTOMATIC TRANSFER SWITCH.
- STEEL, OR ALUMINUM ENCLOSURES.
- SOUND ATTENUATION ENCLOSURES.