



1160kVA / 928 kW Prime Power Block

DIESEL POWERED GENERATOR SETS REMAIN THE NUMBER-ONE CHOICE FOR DISTRIBUTED POWER, STANDBY AND EMERGENCY POWER SYSTEMS, WORLDWIDE. ABLE TO START AND ASSUME LOAD IN LESS THAN 10 SECONDS, AND RATED LOAD IN A SINGLE STEP, NOVOSOL DIESEL GENERATORS BASED ON CUMMINS ENGINES ARE THE EPITOME OF RUGGED DEPENDABILITY AND RELIABLE MECHANICAL AND ELECTRICAL PERFORMANCE. NOVOSOL DIESEL GENERATORS ARE WELL SUITED TO DISTRIBUTED GENERATION (DG) FACILITIES, PEAK SHAVING AND POWER MANAGEMENT AT LARGE COMMERCIAL OR INDUSTRIAL SITES.

NOVOSOL POWER BLOCKS ARE AVAILABLE WITH ECO TECHNICAL FUELS. CLEAN BURNING ECO DIESEL FUEL ENSURES LOW FUEL CONSUMPTION AND LOW EMISSIONS BEYOND STANDARDS SET FOR EVEN THE MOST SENSITIVE ENVIRONMENTS.

NOVOSOL WITH ECO FUEL POWER GENERATION IS A COMPLETE "POWER BLOCK" SOLUTION, ABLE TO DELIVER THE LOWEST COST PER KWH, THE LOWEST FUEL CONSUMPTION, THE LOWEST EXHAUST EMISSIONS THAT MEET THE MOST DEMANDING STANDBY OR PRIME POWER APPLICATIONS.

ALL-IN POWER BLOCK SOLUTION



- **LOWEST FUEL CONSUMPTION**
- **ECO COMBUSTION**
- **FULL PCC SYSTEM**
- **PROVEN LONG TERM RELIABILITY**
- **LOWEST EMISSIONS**
- **CONTAINERIZED DELIVERY**
- **REMOTE MONITORING**

POWER BLOCK SPECIFICATIONS

CUMMINS KTA 38-G4, STAMFORD NEWAGE BACK END AND PMG GENERATOR

**1160 kVA, 928 kW CONTINUOUS
RATED 220-480 V 60 HZ POWER
SYSTEM**

GOVERNOR REGULATION CLASS	ISO8328 PART 1 CLASS G3
VOLTAGE REGULATION NO LOAD TO FULL LOAD	+/- 0.5%
RANDOM VOLTAGE VARIATION	+/- 0.5%
FREQUENCY REGULATION	ISOCHRONOUS
RANDOM FREQUENCY VARIATION	+/- 0.25%
RADIO FREQUENCY EMISSION COMPLIANCE	IEC 801.2 THROUGH IEC 801.5; MIL STD 461C, PART 9
ENGINE SPECIFICATIONS: MODEL 1000DQFAD	
BORE	140 MM
STROKE	165 MM
DISPLACEMENT	30.5 LITERS
FUEL SYSTEM	DIRECT INJECTION, NUMBER 2 DIESEL
BATTERY CHARGING ALTERNATOR	35 AMPS
STARTING VOLTAGE	24 VOLT, NEG GROUND

MAX RPM	1800
CONTROL	PREMIUM CONTROL PANEL AUTO START-STOP SAFETY SHUTDOWNS
COOLING SYSTEM	HIGH AMBIENT, STD DUTY AIR CLEANER HEAVY DUTY RADIATOR
ALTERNATOR SPECIFICATIONS: 60 HZ, WYE, 3-PHASE, 480 V, 105/80C EXTENDED RANGE	
DESIGN	BRUSHLESS 4-POLE DRIP PROOF REVOLVING FIELD PARALLELING CAPABLE
POWER FACTOR	0.8
INSULATION	CLASS H LOW, CLASS F HIGH VOLTAGE
AC WAVEFORM HARMONIC DISTORTION	< 5% NO LOAD, , 3% ANY SINGLE HARMONIC
TELEPHONE INFLUENCE FACTOR	<50 PER NEMA MG1- 22.43

SOUND ATTENUATED CONTAINER: DIMENSIONS:
4338 MM LONG, 2353 MM TALL, 2000 MM WIDE, 7633
KG DRY WEIGHT

Power Block Fuel Consumption & Lubrication:

**Fuel at 100% Full Load: 54 GPH / 205 LPH
0.221 L per kWh**

Lubrication Capacity: 135 liters

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