



550kVA / 440kW 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.

www.rpconnect.com

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12R Shangri-la Place, St. Francis Street, Mandaluyong City, Philippines 1555

ALL-IN POWER BLOCK SOLUTION



POWER BLOCK SPECIFICATIONS

CUMMINS KTA 19-G3 TURBO-COOLED WITH LEROY SOMER GENERATOR

550 KVA 400 kW CONTINUOUS RATED 220-480 V 60 HZ POWER SYSTEM

VOLTAGE REGULATION NO LOAD TO FULL LOAD	+/- 0.5%
PRIME POWER CONTINUOUS DUTY	24 / 24 HR AT 100% 1 / 12 HR AT 10% OVER
FREQUENCY RATIO	CHANGE LOAD 0-100% WITHIN 1% ELECTRIC SPEED AND 4.5% MECHANICAL SPEED
RANDOM FREQUENCY VARIATION	+/- 0.25% LOAD +/- 1.8% NO LOAD
TELECOM EFFECT	TIF BETTER THAN 50 THF TO IEC 60034 PART 40 BETTER THAN 2%
CUMMINS ENGINE SPECIFICATIONS: MODEL: KTA19G3; 6 CYL 4 CYCLE	
BORE / STROKE	159 X 159 MM
COMPRESSION	13.9 : 1
COOLING SYSTEM	WATER, 91 L
ASPIRATION	TURBO
BATTERY	24 VDC
EXHAUST	588 M3 / 557 DEG C
SPEED / FREQ	1800 / 60 HZ

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

LUBRICATION	50 L
NOISE @ 7M	< 75 DBA
CONTROL WITH EMERGENCY STOP CANBUS ECU	PREMIUM CONTROL AUTO START-STOP SAFETY SHUTDOWNS
AIR / COOLING SYSTEM	AIR TO 45 DEG C STD DUTY AIR CLEANER
LEROY SOMER ALTERNATOR SPECIFICATIONS: LSA 47.2M7	
DESIGN	BRUSHLESS 4-POLE DRIP PROOF REVOLVING FIELD PARALLELING CAPABLE
POWER FACTOR	0.8
PROTECTION / INSULATION	IP23 / CLASS H
AC WAVEFORM HARMONIC DISTORTION	< 1% NO LOAD, , < 5% ANY SINGLE HARMONIC

SOUND ATTENUATED CONTAINER: DIMENSIONS:
3280 MM LONG, 1950 MM TALL, 1305 MM WIDE

Fuel Consumption & Lubrication:

**Fuel at 100% Full Load: 24.1 GPH / 91 LPH,
0.227 L per kWh**

Lubrication Capacity: 50 liters

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