

# 300 - 500kW ISO Container Military Prime Power Generator Sets

Mechron's ISO Container Military Generator Sets are specifically designed to meet the requirements of harsh operation in long-term military deployments. Reconfigurable for multi-voltage and frequency operation, these generator sets are equipped with auto-synchronizing and load sharing capability. By using the highest quality Caterpillar generator sets and components, Mechron's ISO Container Military Generator Sets have proven their capability in years of overseas operations. Also available is a full complement of power generation and distribution system equipment including ISO fuel containers and field-deployable power distribution modules and cabling.



## SPECIFICATIONS

<b>Prime Power Ratings</b>
300 kW (60Hz) / 250 kW (50Hz) 500 kW (60Hz) / 450 kW (50Hz) 277/480V, 220/380V, 120/208V Reconnectable or 347/600V Fixed Output
<b>Engine-Generator Set</b>
300kW: CAT 3406 Engine w/CAT SR4B Alternator 500kW: CAT 3412 Engine w/CAT SR4B Alternator Fuel: Diesel or JP-8
<b>Features</b>
Air-transportable Reduced-height 20' ISO Container Automatic Loadsharing and Paralleling With Other CAT Gensets Residential Silencer Local or Remote Operation by Modem Connection Day Tank Or External Fuel Supply w/Fuel Transfer Pump Automatic Ventilation Control w/Manual Override 50/60 Hz Operation (Single Switch Control) Full Metering 5kW Air Heater 24 VDC Fuel-Fired Jacket Water Heater Battery Charger Worldwide Product Support from CAT Dealers

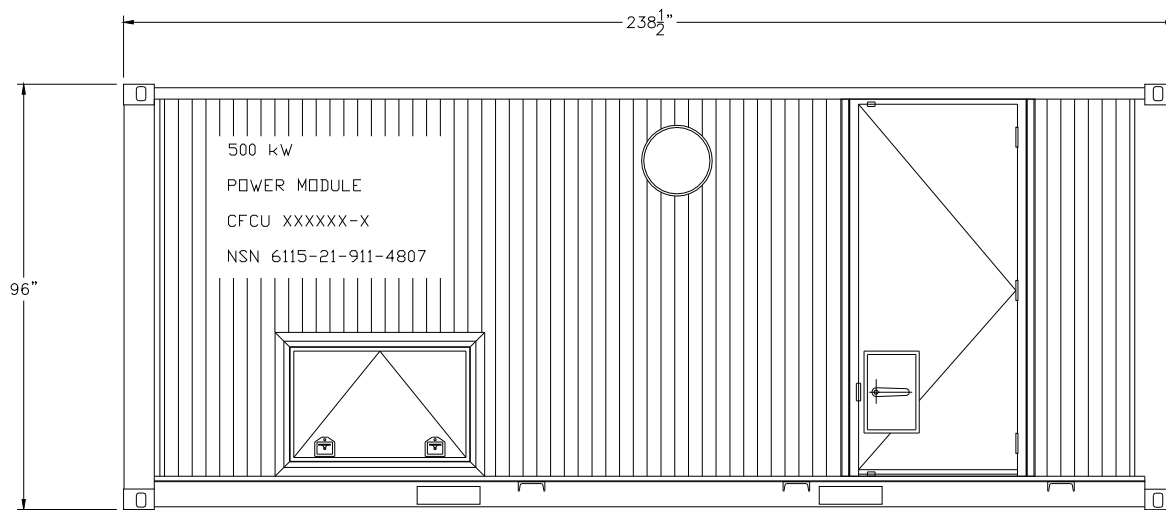
<b>Alarms / Shutdowns</b>
Low Coolant Level High Water Temperature Low Oil Pressure Low Fuel Level Engine Overspeed Overcrank (fail to start) Fuel Tank Rupture System Not in Auto Emergency Stop Over/Under Voltage Over/Under Frequency Reverse Power Overcurrent Fail to Synchronize Voltage Regulator Fail Voltage Regulator Alarm Breaker Tripped Intrusion Alarm
<b>Environmental</b>
Temperature: -40°C to +50°C (-40°F to +122°F) Rated for operation in a wide range of environments, including heavy rain, blowing sand and dust, and high humidity



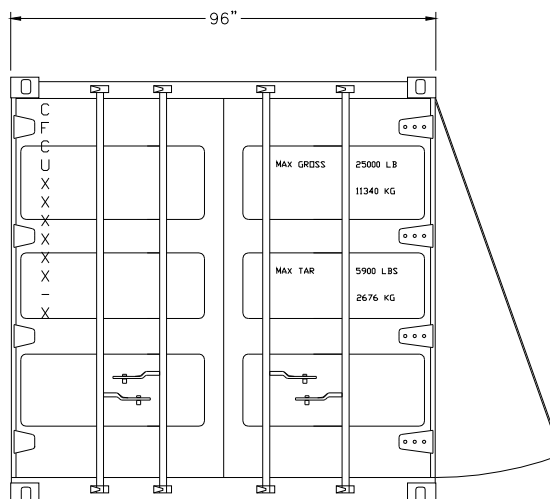
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<i>Dimensions and Weights</i>	
Dimensions (L x W x H)	20' x 8' x 8' (6.10m x 2.44m x 2.44m)
Weights (approximate)	300kW: 8850 kg / 19500 lbs 500kW: 10900 kg / 24000 lbs

## DRAWINGS



RIGHT SIDE ELEVATION



REAR VIEW