Mobile Power Generation Module
Model MPU 2500 to 4400kW

Designed to give you years of trouble free service, the MPU Containerized Power Unit defines the standard for heavy duty base load generation equipment where reliability and efficiency are a must.

The MPU Mobile Power Unit features the only containerized slow to medium speed reciprocating engine driven 2500 to 4400kW containerized generator set designed for rapid deployment. These heavy duty generator sets are intended for use in harsh or remote locations for critical base or peak load applications where reliability, efficiency, and low operating and maintenance cost are the required key design features.

The MPU can be delivered in continuous output ratings of 1500kW, 2000kW, 2665kW and 4400kW while maintaining an additional power reserve of 10% for standby requirements. Each unit is capable of regularly accepting block loads of 110% of the continuous output rating.

MPU generator sets are rugged in design for service in heavy duty industrial and utility power applications. These units are your optimal choice of equipment for standby or continuous duty requirements of 1.5 to 50 Megawatts per site or more. A Mobile Power Unit (MPU) is delivered in a 44’ steel ISO sound attenuated container with the switchgear and local/remote plant controls installed in a climate controlled room.

The advanced “Standard” control features of the MPU unit provides for full local and remote operation and monitoring features for single or multiple unit installations.

These exceptional features, our technical support and field services, make the MPU Mobile Power Unit an efficient “Mini-Utility” best choice for any critical power needs.
Technical Information Common to all MPU Medium Speed Generator Sets

**Complete Unit**
- **Manufacturer/Packager**: MotorWorks
- **Engineering**: Mulberry, Florida

**Engine**
- **Manufacturer**: GM/EMD
- **Type**: 2 Cycle, V-45
- **Fuel Type**: Bio-Diesel, Diesel, Natural Gas, Dual Fuel
- **Model**: Series 645 & 710
- **Number of Cylinders**: 8, 12, 16 & 20 Cylinder
- **Bore**: 9-1/16th inch
- **Stroke**: X 10 inch
- **Displacement**: 645 cubic inches
- **Piston Speed**: 1,500 ft. / min
- **Engine Speed**: 750 - 900rpm
- **Governor**: Electronic - Woodward - EG
- **Starting Motor**: Air, or DC
- **Control Power**: 120VAC & 24VDC

**Generator**
- **Manufacturer**: Baylor
- **Type**: Brushless, insulated single roller bearing
- **Insulation**: NEMA Class F
- **Construction**: Vacuum Pressure Impregnation
- **Enclosure**: Drip Proof
- **Temperature Rise (continuous @ .7 PF)**: 80 degrees C
- **Exciter**: PMG
- **Voltage Regulator**: Basler, SSR-12
- **Electrical Rating**: 1500kW, 2000kW, 2865kW, 3000kW & 4400kW cont.
- **Weight**: 18,700 lbs

**Heat Rate SPU Models:**
- **Diesel, Bio-diesel**: 9240 BTU/kW/hr
- **Natural Gas**: 10,300 BTU/kW/hr

**Weights and Dimensions**
- **Length**: 40 - 44 feet
- **Width**: 8 feet
- **Height**: 13 feet 6 inches
- **Weight**: 92 -125,000 lbs

**For further information, please refer the following SPU Models:**
- **prime/standby**
  - MPU 1500/1650 - diesel or gas
  - MPU 2000/2200 - diesel or gas
  - MPU 2865/3050 - diesel or gas
  - MPU 4400/4600 - diesel or gas

---

Energy & Environmental Integrators
1324 Valley Hill E., Suite 102
Lakeland, Florida 33813-2275
Tel (863) 223-0234
Fax (413) 812-3539