

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, 2865kW 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.

SPECS:

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

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

Weights and Dimensions

Length 40-44 feet
Width 8 feet
Height 13 feet 6 inches
Weight . . 92 to 125,000 lbs

Heat Rate MPU Models:

Diesel, Bio-diesel
9240 BTU/kW/hr
Natural Gas
10,300 BTU/kW/hr

Controls

Digital/PLC/HMI with manual & hot back ups -- The Control Sys 2000
Protection Complete Engine, Generator and Utility
Grade Protection Package with Remote
Controls and Alarming Package and
Advanced Operations and Maintenance
System Program and Software