



MERIDIAN

GENERATING SETS

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Generating sets UMGD-100 and UMGD-200 by MERIDIAN® could be operated in stationary conditions as a prime, standby or emergency power source for supplying continuous electrical power to power and lighting equipment of medium to large units. They could be used standalone as well as paralleled with other generating sets or electric mains.

Product Name	UMGD-100	UMGD-200
Rated Output	100 kW	200 kW
Output Power	Three-phase, AC	Three-phase, AC
Output Voltage	400 V	400 V
Current Amperage	173 A	360 A
Current Frequency	50 Hz	50 Hz
Base Engine Model	ЯМ3-238М2	ЯМ3-7514
Engine Speed	1500 rpm	
Engine Starting System	electric start	
Cooling System	water-cooled, thermostat controlled	
Natural Gas Consumption in gas-diesel mode	30 m ³ /hr	70 m ³ /hr
Diesel Fuel Consumption in gas-diesel mode	5.4 kg/hr	8 kg/hr
Diesel Fuel Consumption in diesel mode	27 kg/hr	50 kg/hr
Intake Gas Pressure	0.15 - 0.25 kgf/cm ²	
Alternator Model	BRF series	
Alternator Type	synchronous brushless self-excited	
Dimensions L×W×H	96.5×41.3×61 inches (2450×1050×1550 mm)	116.1×47.2×85.8 inches (2950×1200×2180 mm)
Weight	4189 lbs (1900 kg)	5622 lbs (2550 kg)

Generating sets supply three-phase electrical power. They could be used at drilling platforms, surface mines, building sites, offshore platforms, rural areas and many other places and areas. Wherever you need the electrical power, our diesel generating sets supply it simply, efficaciously and cost-effectively.

A complete autonomy makes it possible to install and operate them even at hard-to-reach areas where cabling the three-phase transmission facilities is not economically sound. In this case generating set by MERIDIAN are optimum alternative to electric mains.

The key advantage of the generating sets of this series is the support of two fuel modes, gas-diesel and diesel. They could be easily switched on control panel.

Generating sets could be supplied in three different versions: stationary version, open set; stationary version in standard or sound attenuated enclosure; and mobile version in standard or sound attenuated enclosure on four-wheeled trailer 2-ПН-4.

Rated for ambient air temperature −14°F (−10°C) to 122°F (+50°C) at altitude up to 1000 m and the relative humidity of air up to 80% at a temperature of 68°F (20°C).

Every generating set comes factory tested. The warranty period is twelve months.