

SAME POWER, LESS MONEY, MORE BENEFITS!

ZYRAXES is an EU family company, specialized in manufacturing, sales and rental of industrial diesel generating sets, marine power, agricultural and fire fighting motor pumps. Our production is mostly customized, but we do standards as well.

We have a 17 years experience in manufacturing of marine generators and in the last 7 years we sold customized and marine diesel generators in more than 25 countries all over the world.

We meet the market demands completing our product range with the new competitive ELECTROPHORUS LINE, marine diesel-generator, powered by Volvo Penta.



Customer Value & Benefits:

- Factory tested & complete kit delivered, ready for installation on board;
- Equipment can be type approved by the major classification marine authorities;
- Smallest footprint & space volume into the engine room providing good service accessibility;
- Marine generator range designed for fast and troublefree service operations controlled and monitored by advanced electronic panel;
- The state of the art, high-tech injection and highly efficient charge air system with low internal losses contributes to excellent combustion and low fuel consumption;
- The engines are EPA/CARB Tier 3 & EU Stage 3A emission certified. These regulations are met by using V-ACT™ (Volvo Advanced Combustion Technology). V-ACT includes a flexible high pressure Common-rail fuel injection system, an air management system including an internal exhaust gas recirculation device.

Characteristics Code	PRP [kVA]	PRP [kWe]	Cylinders	Bore/Stroke [mm]	Displacement [cm ³]	Fuel consumption [l/h]	Engine speed [rpm]	Dimensions LxWxH [mm]	Dry Weight [kg]	Dimensions in canopy LxWxH[mm]	Dry Weight in canopy [kg]
520-MAN*	60	48	4 in line	108/130	4760	17.1	1500	1700x650x1350	976	1800x800x1600	1175
550-MSN	64	51,2	4 in line	108/130	4760	17.6	1500	1700x650x1350	1081	1800x800x1600	1280
550-MMN	75	60	4 in line	108/130	4760	18.3	1500	1700x650x1350	1126	1800x800x1600	1325
550-MLN	85	68	4 in line	108/130	4760	20.4	1500	1700x650x1350	1141	1800x800x1600	1340
551-LSN	100	80	4 in line	108/130	4760	27.1	1500	2200x725x1350	1221	2300x900x1600	1490

* for local classification only

PRIME POWER rating corresponds to ISO Standard Power for continuous operation. It is applicable for supplying electrical power at variable load for an unlimited number of hours instead of commercially purchased power. A10 % overload capability for governing purpose is available for this rating.

STANDBY POWER rating corresponds to ISO Standard Fuel Stop Power. It is applicable for supplying standby electrical power at variable load in areas with well established electrical networks in the event of normal utility power failure. No overload capability is available for this rating.

The manufacturer reserves the right to make changes at any time, without notice, as to technical data, prices, materials, standard equipment, specifications and models, and to discontinue models. The generating set illustrated may not be entirely identical to production standard.

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STANDARD EQUIPMENTS

Base Frame:

- mechanically welded chassis
- w or w/o fluid recovery tank
- antivibration dampers



Engine Control Panel:

- microprocessed electronic controller;
- built-in governor control;
- automatic speed control;
- manual speed control via push buttons, digital input or analogue input;
- automatic speed ramping;
- remote panel for control and monitoring.



Engine:

- 4 stroke industrial water cooled diesel engine;
- 1500 rpm with electrical governor;
- heat-exchanger or box-cooler with drain tap;
- standard air filter;
- protective grille for rotating parts.

STANDARD SCOPE OF SUPPLY

- common base frame
- engine complete with air-cooler exchanger
- closecoupled alternator with AVR
- control panel
- elastic mountings kit

Alternator:

- brushless synchronous alternator;
- single bearing;
- IP23 up to 100 kVA;
- overload acceptance: 10% for 1 hour;
- AVR 0.5%;
- insulation class H, temperature rise class F;
- 231/400 V, 50Hz;
- Space heaters 230 V;
- PTC in winding;
- Special treatment for damp and corrosive environment



OPTIONAL EQUIPMENTS

- heavy duty air filter
- close crankcase ventilation
- oil drain pump
- double walled fuel lines
- DeLuxe control panel
- synchronization and load sharing module for parallel operation
- remote extra panel and connection kit
- boxcooler version
- flexible exhaust joint
- dry exhaust silencer
- soundproof canopy
- spares kit for the first service

