

Marine Diesel Propulsion units of "PM" series are designed to drive the main propulsion system as well as auxiliary thrusters of all types of vessels. The propulsion units are equally applicable on the sea as well as river-based vessels. The production of the RD units implies usage of up-to-date gearboxes of worldwide known brands, such as TWIN DISC, ZF and others, as well as application of such couplings as VULKAN, CENTA and STROMAG. The propulsion units are equipped with monitoring and management systems, developed in-house by the technical department of RIGAS DIZELIS plant, in accordance with target customer needs and requirements of the classification societies.



### Description & Key Scope

- Keel or heat exchanger cooling system
- Engine heater
- 24V starter, engine-driven charging alternator
- Flexible compensator and silencer
- Gearbox (ZF, TwinDisc, etc.) with different ratio available
- Flexible coupling between engine and gearbox
- Local and remote control panels
- Vibration isolators
- Drawing & Manual package
- Factory Test Report
- Certificates from major IACS members are available
- EIAPP certificate with Technical File
- Torsional Vibration Calculation

Engine type	Gross power, full load*, kW	Gross power, full load*, HP	Engine speed (rpm)	Power rating**	Preliminary dimensions in mm LxWxH / weight in kg	Emission
6M26.2	331-442	450-600	1800-1950	P1, P2	1880x1144x1348 / 1985	IMO Tier II
8M26.2	442-588	600-800	1800-1950	P1, P2	1871x1392x1454 / 2475	IMO Tier II
12M26.2	662-883	900-1200	1800-1950	P1, P2	2446x1355x1419 / 3400	IMO Tier II
6M33.2	478-551	650-750	1600-1800	P1, P2	1870x1138x1417 / 2390	IMO Tier II
12M33.2	956-1103	1300-1500	1600-1800	P1, P2	2210x1467x1568 / 3900	IMO Tier II

### Description & Key Scope

\* Power rated in accordance with ISO 3046-1 at ambient temperature of 45°C and sea water temperature 32°C.

\*\* Power rating:

- P1: Severe continuous application with little or no engine speed/load variations. Average engine load factor: 80 to 100%. Annual duration of use: more than 5,000 hours. Use under full load: unlimited.
- P2: Continuous application with frequent variations in engine speed and load. Average engine load factor: 30 to 80%. Annual duration of use: from 3,000 to 5,000 hours. Use under full load: 8 hours in a 12-hour period.
- P3: Intermittent application with significant variations in engine speed and load. Average engine load factor: 50%. Cruising speed less than 90% of nominal engine speed. Annual duration of use: from 1,000 to 3,000 hours. Use under full load: 2 hours in a 12-hour period.
- P4: Light application with significant variations in engine speed and load. Average engine load factor: 30%. Cruising speed less than 80% of nominal engine speed. Annual duration of use: less than 1,000 hours. Use under full load: 1 hour in a 12-hour period.

## Engine General Data\*

Maker	BAUDOUIIN				
Model	6M26.2	8M26.2	12M26.2	6M33.2	12M33.2
No of cylinders	6 in-line	V-8	V-12	6 in-line	V-12
Working principle	4-stroke				
Displacement, L	15.9	21.2	31.8	19.6	39.2
Bore x stroke, mm	150 x 150	150 x 150	150 x 150	150 x 185	150 x 185
Compression ratio	15.0:1	18.0:1	15.0:1	15.0:1	15.0:1
Aspiration	Turbocharged, Inter Cooler				
Rotation	Counter clockwise (seen from flywheel end)				
Flywheel	SAE 14"	SAE 14"	SAE 18"	SAE 14"	SAE 18"
Injection pump	In line injection pump				
Governor type	Mechanical				
Oil capacity, L	50	70	113	60.5	135
Starter type	2-pole, 24V, DC				

\* Other engine parameters are available on request.

## Available Key Options (other options are available on request)

### Engine

- Radiator cooling system
- Manual or electric lub oil drain pump
- Starting batteries
- Static battery charger
- Air, spring or hydraulic starter
- Duplex oil and fuel filters

### Other

- Special tools and spare parts
- Commissioning and start-up
- Extended warranty
- Propulsion lines (shafts, propellers, nozzles, thrusters, etc.)
- Deck mounted systems with Z-type azimuth thrusters

### Gearbox

- Nonstandard ratios
- Trolling valves
- Power take off (PTO)
- Power take in (PTI)
- etc.



**ANNO 1949**

Address: 36 Ganību dambis, Rīga, Latvia, LV-1005  
Telephone: +371 67391781, +371 67381626  
Fax: +371 67381925  
E-mail: [sales@rigasdizelis.lv](mailto:sales@rigasdizelis.lv)  
Website: [www.rigasdizelis.lv](http://www.rigasdizelis.lv)