

SIMOTICS DP Application-Specific Motors

Marine motors

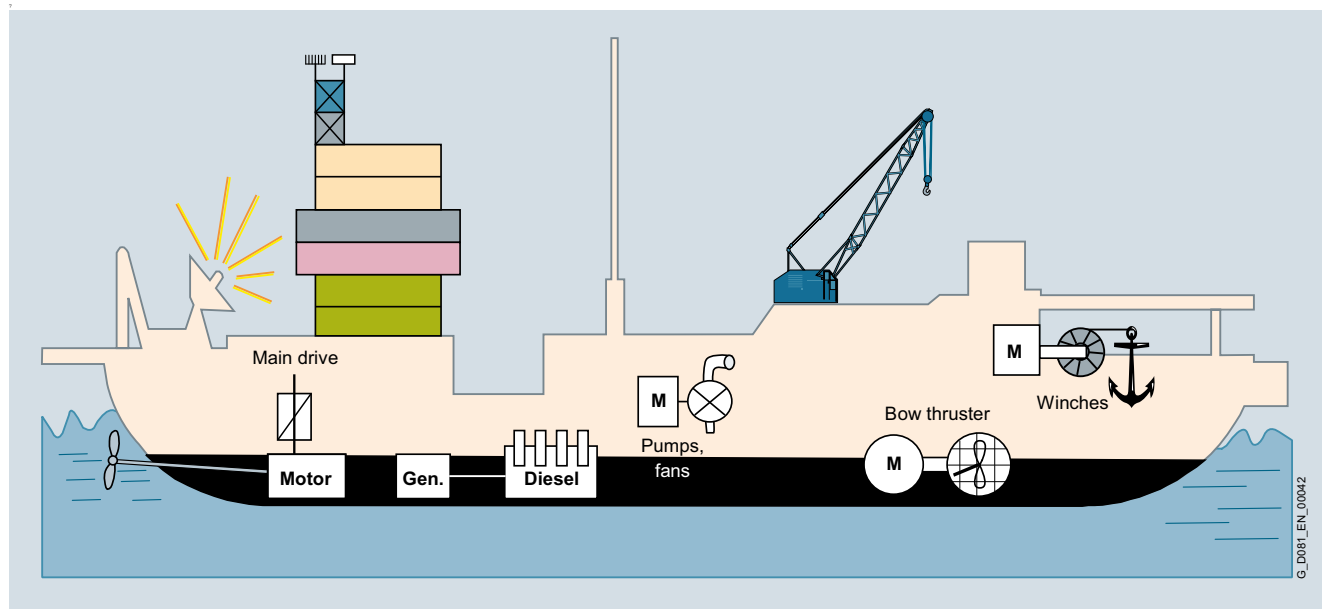
Orientation

Application

Our type tested marine motors are specially designed for use on board ship below deck and for the offshore industry:

- Applications onboard ships as main and auxiliary drives below deck, e.g.:
 - Fans (air conditioning systems, refrigeration plants)
 - Pumps (for fire-extinguishing water, fuels, oils)

- Winches (anchor winches, warping winches, lifting gear)
- Compressors
- Bow thruster drives
- Ex motors for hazardous zones
- Application in the offshore industry
 - Coastal areas, e.g. production platforms, production ships



Typical applications

Technical specifications

Housing design

Motors can be supplied depending on the motor series in a corrosion-resistant aluminum housing and in a rugged low-vibration cast-iron version.

Motor connection

Cable glands are not included in the standard scope of supply with the exception of explosion-proof motors (see "Special versions").

All marine motors generally have an external grounding terminal.

Mountings (encoder, separately driven fan, brake)

Brakes, encoders and separately driven fans from our basic series (1LE, 1MB) are accepted as mountings without a separate certificate from the marine classification societies by the following: GL, LR, RINA, RS, DNV, ABS and KR.

However, BV always demands separate certification for encoders. For this reason, 1LE1, 1MB1, 1PC1 and 1PC3 motors for BV can only be supplied in the "prepared for encoder mounting" condition. In this instance, the customer must bear responsibility for purchasing and installing a suitable encoder. With respect to brakes and separately driven fans, BV will also accept Siemens standard components.

Fan / fan cowl

Fans and fan cowls are made from the same materials as components from the basic series. BV stipulates that these components must be made of metal and they are automatically supplied in this material when order code **E31** is specified.