

BRAKE MOTORS FOR MARINE ENVIRONMENTS

CAST-IRON CASING



Among its various products, I.S.G.E.V. S.p.A. also offers this series of motors derived from the normal self-braking line, with IP56 protection for both the brake and the motor. Generally used to drive winches for lifeboats and various hatches on marine vessels, these motors meet all the requirements set forth by the various Shipping Registers. Considering the duration of each work cycle, these motors do not require any ventilation. The motor is equipped with a disc brake controlled by a DC-driven electromagnet.

The brake's operating principle is based on the use of resting current, i.e. the brake is operated under the action of the springs when the power supply to the motor is cut off or during a power outage.

The braking action continues until the motor is powered again or, by using a special handwheel (located on the opposite side of the control), the brake can be released continuously. These motors are equipped with an AC-DC power supply and therefore the power supply voltage for the brake control must be indicated when placing an order. This series of motors covers sizes from 71 to 160. Although construction forms are unified, motors with non-standard shaft projection or based on the customer's specifications can also be requested. Windings can also be built with class H insulation, with tropicalization treatment and equipped with anti-condensation heaters and thermistors.

