



## **BRAKE MOTORS**

### **IP56**

**AC motors  
with DC brake  
sealed against water to IP56**



### **GENERAL CHARACTERISTICS**

These brake motors are derived from the **FLS** cast iron range. Equipped with a failsafe brake type **FCPL**, the combined unit is designed for protection against splashed water to **IP56** including seawater. They are therefore particularly suitable for applications with harsh environmental conditions.

Conceived as a standard for S2 – 30min duty, they are non-ventilated and are available as single speed (2 – 4 – 6 or 8 poles) or in two-speed (2/12 – 4/12-4/16 pole). Adapted versions, both electrical and mechanical according to customer design requirements, are also possible.

Conforming to CEI standards, the **IP56 brake motor** is available with flanges and terminal boxes in cast iron and with marine standard cable glands type BV. The fixings and nameplate are made in stainless steel.

Supplied by 180 volts DC, the **FCPL** brake is protected by a metallic cover, which provides the degree of protection to **IP56**. This cover is easily removed for maintenance operations (air gap adjustment, changing brake discs).

Numerous options are possible:

- for the motor:

- Temperature probes PTO - PTF or PTC
- Anti condensation heaters
- Cable glands ty-pe BVLE suitable for armoured cable
- Encoder or tachometer...

- and for the brake:

- Special voltages on request (20 V, 100 V, etc)
- Wear detector
- Brake release detection
- Air gap detection
- Anti-condensation heaters

The **IP56 brake motor** is particularly adapted for hoisting, travel and rotation in marine applications, (anchor raising, towing, winching, barge drives), dockside (cranes and winches), or oil platforms (lifting). The high level of sealing enables their use in agrochemical and chemical applications depending on the environmental conditions.

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