ESE-MCDC SERIES

Oil-Immersed Automatic Sliding Gate Motor

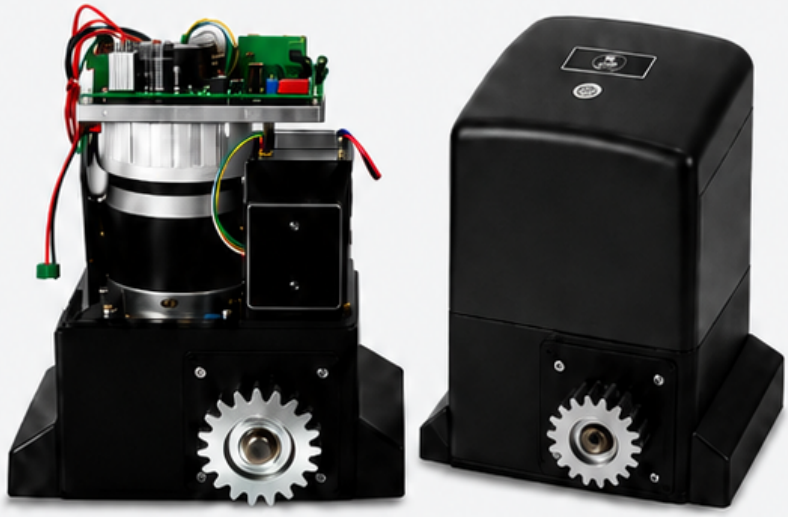
800KG-2000KG+ | OIL-IMMERSED MOTOR | SOFT START / STOP | REMOTE / MOBILE ACCESS

Product Overview

The ESE-MCDC Series is an oil-immersed automatic sliding gate motor series engineered for powerful performance, reliability and long service life.

Four models are available to suit a wide range of gate weights and applications:

- **ESE-MCDC1000** for 800 kg gates
- **ESE-MCDC1500** for 1000 kg gates
- **ESE-MCDC2000** for 1500 kg gates
- **ESE-MCDC4000** for 2000 kg and above gates



Designed for smooth and stable operation, the oil-immersed motor structure minimizes friction and heat, improving efficiency and ensuring dependable operation even in demanding environments.



Key Features

- Oil-immersed motor design reduces friction and heat.
- Copper turbo/drive structure for strong wear resistance and longer service life.
- Ultra-quiet operation.
- Supports frequent opening and closing cycles.
- Soft start and slow stop for smoother movement.
- Rebound when encountering resistance.
- Automatic door/gate closing.
- Host-guest connection support.
- Optional battery backup.
- Remote and mobile phone opening / closing support.

Oil-Immersed Drive Advantage

The oil-immersed motor structure helps reduce heat and friction during operation, supporting quieter performance, smoother motion and improved durability for automatic sliding gate use.

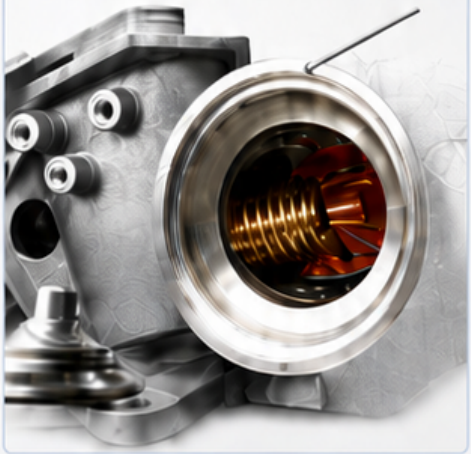
Technical Specifications

Key performance data for the ESE-MCDC Series models.

Item	ESE-MCDC1000	ESE-MCDC1500	ESE-MCDC2000	ESE-MCDC4000
Applicable gate weight	800 kg	1000 kg	1500 kg	2000 kg above
Output torque	28 N.m	29 N.m	30 N.m	31 N.m
Rotation speed	1500 rpm	1500 rpm	1500 rpm	1500 rpm
Gate speed	12 m/min	12 m/min	12 m/min	12 m/min
Input voltage	AC 220V or 110V	AC 220V or 110V	AC 220V or 110V	AC 220V or 110V
Output voltage	DC 24V	DC 24V	DC 24V	DC 24V
Limit switch	Magnetic or spring NO/NC	Magnetic or spring NO/NC	Magnetic or spring NO/NC	Magnetic or spring NO/NC
Noise	≤55 dB	≤55 dB	≤55 dB	≤55 dB
Temperature	-40°C to +75°C	-40°C to +75°C	-40°C to +75°C	-40°C to +75°C
Protection class	IP57	IP57	IP57	IP57
Certification	CCC, CE	CCC, CE	CCC, CE	CCC, CE
Approx. unit size	33 × 27 × 15.5 cm	33 × 27 × 15.5 cm	33 × 27 × 15.5 cm	33 × 27 × 15.5 cm

Accessories & Installation

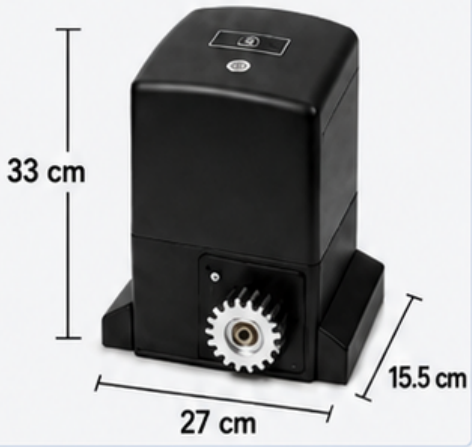
Oil-Immersed Copper Drive



Mounting Fittings



Motor Dimensions



Product Notes

- ESE-MCDC1000 is suitable for gates up to 800 kg.
- ESE-MCDC1500 is suitable for gates up to 1000 kg.
- ESE-MCDC2000 is suitable for gates up to 1500 kg.
- ESE-MCDC4000 is suitable for gates of 2000 kg and above.