



ELECTRIC LIFT MOTOR

INFORMATION SHEET

OVERVIEW

The Diamond Doors lift motor provides convenient door operation with the push of a button.

All Diamond doors are designed with an AC induction electric brake motor, coupled to the gearbox to create a reliable lift system. The integrated brake system ensures safety when power is cut to the door by holding it in the open position in case of a power outage.

The size of the motor is determined by door weight, door size, and opening speed that is required. We align the motor size and power with the appropriate gearbox specifications to create a long-lasting lift system by ensuring that the gearbox is not under strain.

Our electric motors are available in different voltages, depending on the electrical power available on your building site.



TECHNICAL SPECS

Motor Type:

AC Induction Brakemotor

Motor Classification:

TENV

Motor Voltage:

- Single phase 230V
- Three phase 208V
- Three phase 460V

Motor Sizes:

- 3/4 Horsepower
- 1 Horsepower
- 1.5 Horsepower
- 2 Horsepower
- 3 Horsepower
- 5 Horsepower
- 7.5 Horsepower

FREQUENTLY ASKED QUESTIONS

What happens if power is cut to the door while it is open?

Nothing. If power is cut to the door while it is open, you can expect the door to remain securely in place. Diamond Doors electric lift motors are equipped with an electric brake, which is automatically engaged when power is cut to the door. This means that if your door loses power while it is open, the brake locks the door into place and prevents it from creeping downward.

During installation, do I need to install the motor and wire it?

No, you will not need to install or wire your motor. We deliver your door with the motor installed, prewired, and tested in factory.

What size of motor is on the door?

Motor sizes vary depending on the weight and size of your door, and the opening speed that is required. They are available in 3/4 HP, 1 HP, 1.5 HP, 2 HP, 3 HP, 5 HP, and 7.5 HP.

What kind of electrical power do I need for the door?

If possible, we would recommend three phase power for your door, as it provides greater efficiency and more power. However, single phase power is also an option. Our electric motors are available in single phase 230V, three phase 208V, and three phase 460V, depending on the electrical power available on your building site.

