



## GEARBOX

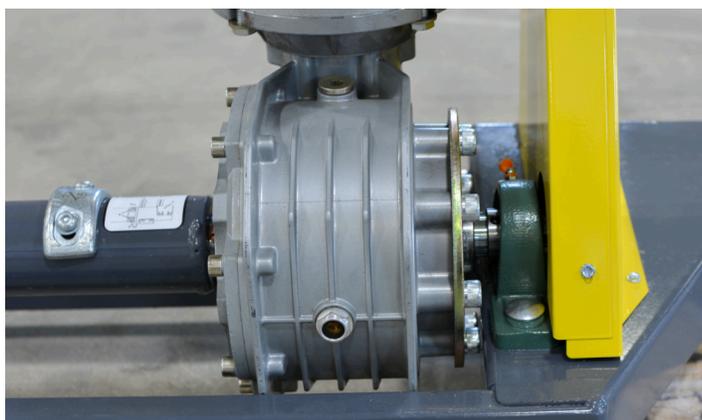
## INFORMATION SHEET

### OVERVIEW

Our industrial grade gearbox is an integral part of the Diamond Doors lift system, connecting the electric lift motor to the driveline. The gearbox is mounted at the center of the door, connecting two drivelines that operate simultaneously as the door opens and closes. The center mount design allows for greater flexibility in opening speed and lifting capacity.

With a gearbox ratio that ranges from 32:1 up to 90:1, our gearbox and lift system provide a standard opening rate of 18 feet per minute. This is the fastest standard opening rate in the bifold door industry, giving you quicker access to your hangar or equipment. (We also offer a speed increase kit which increases the opening rate by 20-25%. Please talk to our sales team for more information.)

Our gearboxes are rated for continuous use, which is far above what is necessary for even the most frequently used doors. This ensures a long-lasting lift system and reliable door operation.



### TECHNICAL SPECS

**Oil Application System:** Oil Bath

**Standard Opening Speed:** 18 ft/min

**Gear Ratio:** 32:1 - 90:1

### FREQUENTLY ASKED QUESTIONS

#### **Do I need to add oil to the gearbox when I receive my door?**

No, you will not need to add oil to the gearbox during door installation. We fill each gearbox with the appropriate oil before shipping your door.

#### **How often do I have to change the gearbox oil?**

For most doors, you will not need to change the gearbox oil for several years. Unless you can see that oil has been leaking out, the oil should be checked every three months. When it comes time to replace the oil, please refer to the owners manual for the oil change procedure.

#### **What kind of oil do I need to add to my gearbox?**

Our gearboxes utilize a full synthetic 75W90 Gear Oil.

#### **What is the ratio on the gearbox?**

Our gearbox ratio varies depending on the weight and loads of the door, and the opening speed required. However, the gearbox ratio generally ranges from 32:1 to 90:1.

#### **How long does a bifold door take to open?**

Diamond Doors offers a industry leading standard opening speed of 18ft per minute. Our speed increase kit is also available for select doors, which increases the opening speed by 20 – 25%.

