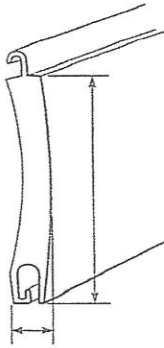


# Motor Selection Guide For Rolling Shutters and Doors

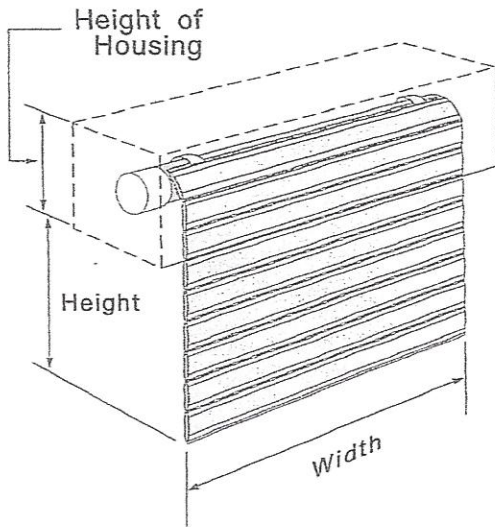
To select a motor in this guide you need to know the following:

1. Type of Slat: Height and Width
2. Total weight of shutter
3. Diameter of the tube



### Type of slat:

It is important to consider the total size of the product you plan to produce before choosing an operator, since these variables affect the weight of what an operator can lift. The following charts represent some of the most common motor solutions. Choose the one that most closely corresponds to the weight that you calculate..



### Total Weight of Shutter

$$\text{Total weight} = \text{Width} \times \underbrace{(\text{Height} + \text{Height of Housing})}_{\text{surface}} \times \text{Weight per sq. ft.}$$

### Important Note:

The choice of a motor also depends on the type of installation.

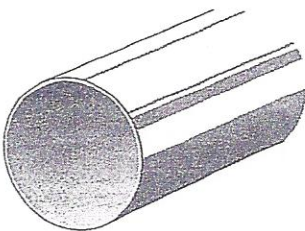
- If you use one motor for two or more shutters add 20% for the first additional shutter to derive the total weight. Add an additional 10% for every shutter after that.

Examples: 2 shutters/one motor = + 20% to the total weight.

3 shutters/one motor = + 20% + 10% to the total weight.

- If the shutter is over 9 feet in height, add 10% to the total weight for every three feet beyond.

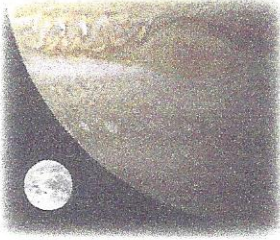
Example: 11 feet in height= total weight + an additional 10% to the effective load to be lifted.



### Diameter of Tube:

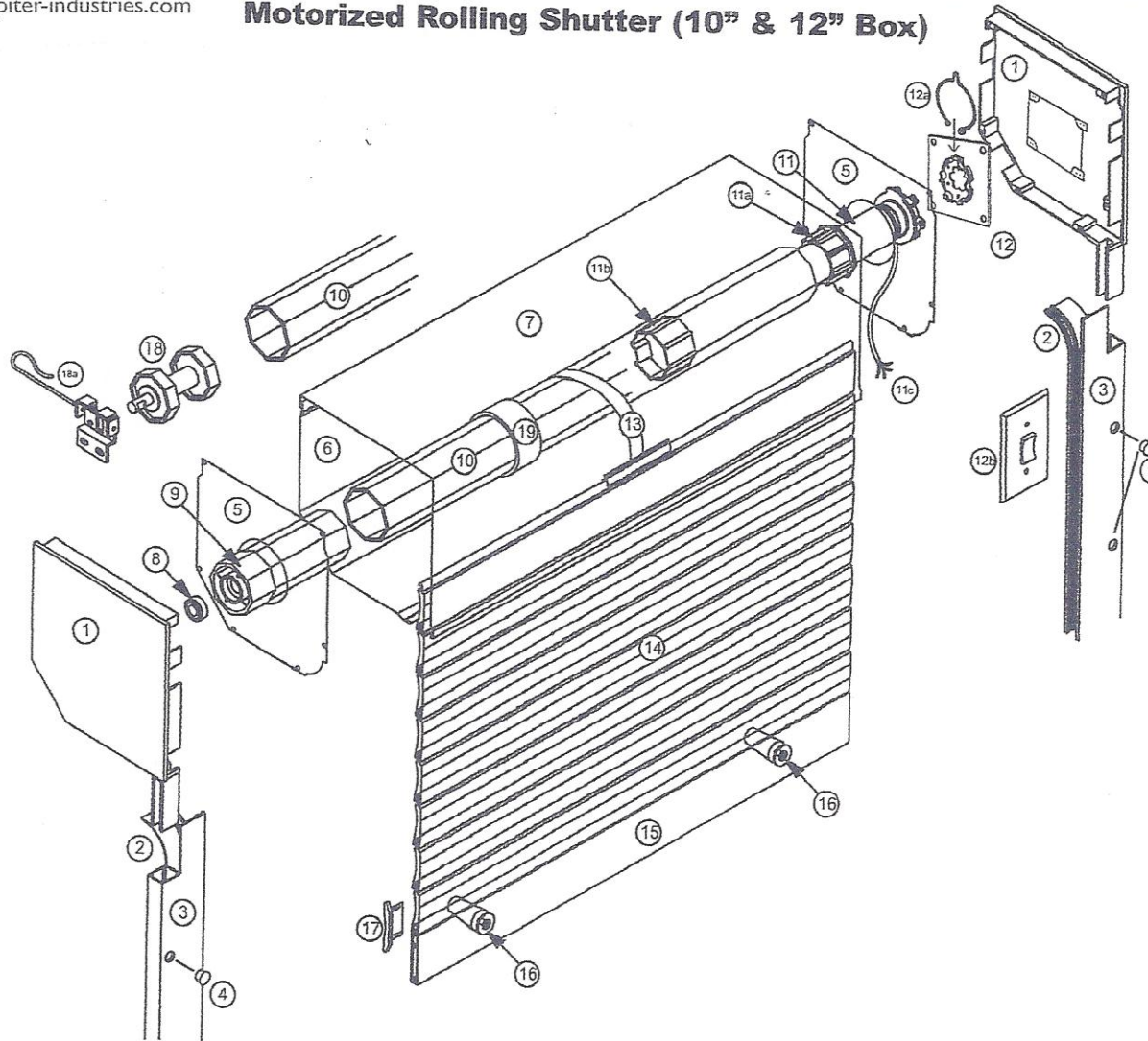
The lifting capacity of an operator decreases when the tube diameter increases. Therefore, it is necessary to choose the smallest tube while considering the load capacity of the tube and the optimum roll-up diameter of the slats. Keep in mind that if tube spacer rings are used, you have increased the tube diameter.

After choosing the chart that corresponds to the tube size being used, select the operator according to the total weight of the shutter.

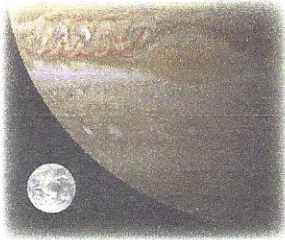


## Roll Shutter Assembly

### Motorized Rolling Shutter (10" & 12" Box)



- |      |  |        |                             |
|------|--|--------|-----------------------------|
| 1.   | Side/ End Cap (45°)                    | 11c.   | Motor Cable                 |
| * 2. | Entry Guide (Funnel)                   | 12.    | Motor Bracket               |
| 3.   | Side/ Guide Rail                       | * 12a. | Spring Ring                 |
| 4.   | Plug Button                            | 12b.   | Switch                      |
| * 5. | Safety Plate                           | * 13.  | Springlock Hanger           |
| 6.   | Housing (Front/ Bottom) 10" - 12"(45°) | 14.    | Aluminum SLATS              |
| 7.   | Housing (Top/ Back) 10" - 12"          | * 15.  | Base Slat                   |
| 8.   | Ball Bearing                           | 16.    | Exterior Stop (Optional)    |
| 9.   | Idler Insert                           | 17.    | Side Lock                   |
| 10.  | Octagonal Tube                         | 18.    | Idler (PVC-Steel)           |
| 11.  | Tubular Motor                          | 18a.   | Idler Bracket (Steel)       |
| 11a. | Crown                                  | 19.    | Axle Ring - PVC or Aluminum |
| 11b. | Drive                                  |        |                             |

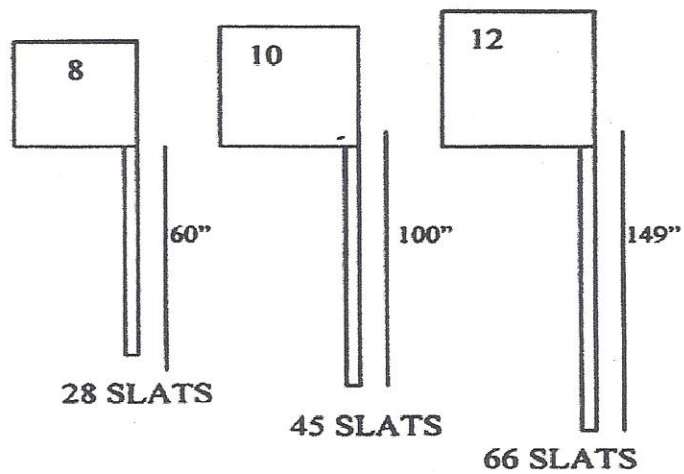


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## HOOD SIZES FOR DIFFERENT HEIGHTS & SLAT TYPES

**\*\*MINIMUM EDGE DISTANCE FOR MOUNTING TRACKS IS 2" NOT COUNTING STUCO (5/8")\*\***

**58mm EXTRUDED**  
**2.28Lbs. PER SQUARE FOOT**



**40mm EXTRUDED**  
**1.65Lbs. PER SQUARE FOOT**

