



- Mounting Details**
1. Between Tubes
 2. Face of Wall "Z"
 3. Face of Wall "E"
 4. Between Jamb

Minimum Clearance From Face of Guide

	Outside Charge		Inside Charge	
	Drive Side	Charge Side	Drive Side	Charge Side
Manual	5 1/2"	5 1/2"	2 1/2"	2 1/2"
Crank	7 1/2"	5 1/2"	7 1/2"	2 1/2"
Motor	20"	5 1/2"	20"	2 1/2"

Endplate Sizing Chart

Vortex	Tube	Manual		Crank		Hoist		Motor	
		Charge Out	Charge In	Charge Out	Charge In	Charge Out	Charge In	Charge Out	Charge In
2'0"-4'6"	3x3	15"	12"	15"	15"	17"	17"	17"	17"
	4x4	15"	12"	15"	15"	17"	17"	17"	17"
4'7"-6'6"	3x3	15"	15"	15"	15"	17"	17"	17"	17"
	4x4	15"	15"	15"	15"	17"	17"	17"	17"
6'7"-13'	3x3	17"	17"	17"	17"	17"	17"	17"	17"
	4x4	17"	17"	17"	17"	17"	17"	17"	17"
13'+	3x3	19'+	19'+	19'+	19'+	19'+	19'+	19'+	19'+
	4x4	19'+	19'+	19'+	19'+	19'+	19'+	19'+	19'+

* FOR TUBE MOUNT ONLY. If headroom is limited, 12" endplates can be used if the outside charge wheel is replaced by an inside charge wheel used in an outside charge application. If not mounted on tubes, use 12" endplates. *Consult factory if headroom is critical or for sizes not listed.*