

Specification Sheet

MSJ



- Drive shaft cast iron pillow block bearings
- Clutch shaft steel pillow block bearings
- Bearings on limit shaft
- Solenoid brake

MSJ, fills the gap between regular jackshafts and gearheads. This is an ultra high-end, heavy duty, V-belt drive operator for industrial high & vertical lift sectional doors or rolling doors and grilles. It can be wall mounted on either side of the door. It incorporates a chain hoist for manual operation.

Manaras
● Somfy International

• Construction

- Continuous duty industrial motor (60 Hz)
- 5L V-belt, chain and sprocket reduction
- #50 chain and sprocket on final drive
- 1" output shaft with 1/4" keyway
- Operator sprocket: 50B12
- Output shaft speed: 47 rpm
- Solenoid brake
- Cast iron pillow block bearings on output shaft
- Rotary type limit switches
- Green baked-on long lasting enamel finish
- Motor removable without affecting limits
- Right and left wall mounting
- Approximate shipping weight: 120 lbs – 54.1 kg

2 Year Warranty

• Main Options

- Nema 4/12
- Nema 7/9
- Nema 4X
- Hoist left mount
- Delay on reverse
- Timer to close
- Double limit
- Chain spreader

Motor Selection

Maximum Size of Door in Square Feet

Horse Power	Rolling Doors					Sectional Doors				
	Insulated steel	16 ga. steel	Steel Grilles 20 ga. steel	Alu. Door 22 ga. steel	Alu. Grilles 24 ga. steel	Steel 18 ga. ins.	Steel 18 ga. 20 ga. ins.	Wood Steel 20 ga. 22 & 24 ga. ins.	Aluminium Steel 22 & 24 ga.	Fiber Glass
1/2	157	236	260	319	358	196	245	314	343	392
3/4	206	294	358	451	515	270	319	441	490	549
1	255	358	446	574	613	294	392	490	564	613

• Safety Features

- Emergency chain hoist with electrical cut out
- Hand chain on right standard
- Floor level disconnect
- Adjustable friction clutch
- Full overload protection
- Unique fused control circuit protection



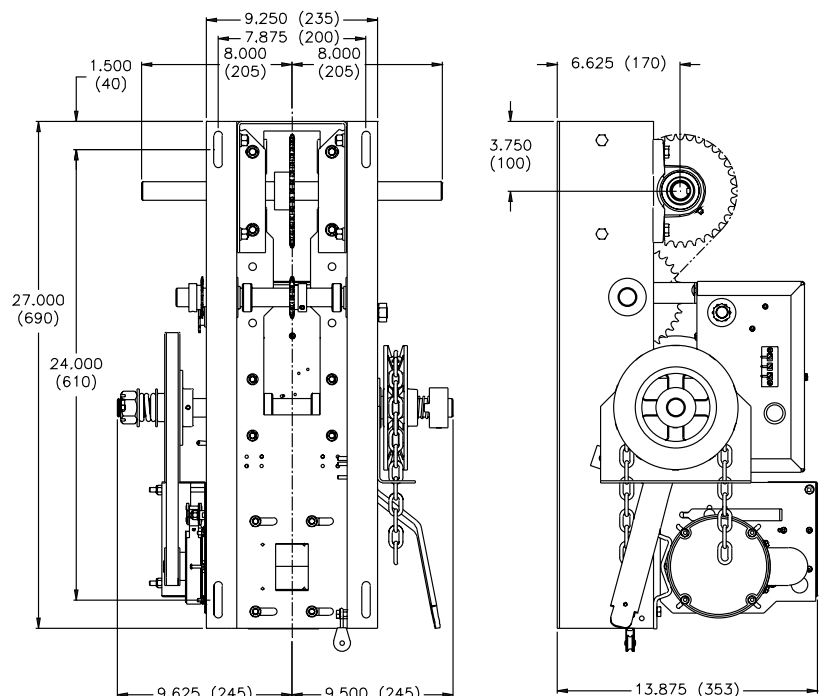
• Control Circuit Options

- **Electronic Control Board with 5V logic.** Options included: B2, E2 wiring, timer to close, mid-stop, delay on reverse, maximum run timer.
- **24V control circuit with heavy-duty reversing contactor.** C2 wiring is standard. B2 can be set very easily by moving one wire (see Manaras wiring diagram).

• Operator range and current consumption (Amp.)

Horse Power	115 V 1 Ph	230 V 1 Ph	208/230 V 3 Ph	460 V 3 Ph	575 V 3 Ph
1/2	8.0	4.0	2.1	1.0	0.8
3/4	11.2	5.6	3.2	1.5	1.2
1	13.6	6.8	4.4	2.1	1.6

Dimensions



Clearance: Side room required 20" (510mm)
(Hoist shown on left optional)