

FORM 1101

ELECTRIC SAWMILL INSTALLATION INSTRUCTIONS



IMPORTANT! This information is provided so that you may have your site prepared for installation of your electric sawmill. In order to properly install your sawmill, you need to:

1. **Prepare a firm, level area where the sawmill can be operated.** There should be enough room around the sawmill for operators, sawdust removal, log loading and board removal.
2. **Have a qualified electrician install the power supply before receipt of your sawmill.** The power supply must meet the enclosed specifications concerning wire size, fused disconnect, and voltage. The electrical installation must also meet local codes.
3. **Be sure the power supply cables are free to move with the saw head along the sawmill bed.** Secure the power supply cables in the provided power cord boom system.
4. **Have a qualified electrician present when the sawmill is to be installed.** All relevant motor specifications and wiring information is provided. When scheduling an electrician for the day of installation, please confirm that they have enough of the proper size cable (wiring), as shown in [Table 1 on page 3](#). Many electricians may not stock this cable, which could seriously delay installation and training.

Electric Sawmill Wiring



DANGER! Make sure all electrical installation, service and/or maintenance work is performed by a qualified electrician and is in accordance with applicable electrical codes.



CAUTION! Make sure that the sawmill you have purchased can be powered with the provided power source before making any connections. Do not connect the sawmill to the improper power source. Serious injury, death or damage to the equipment will result.

See Figure 1. See the wiring diagram to rewire the motor.

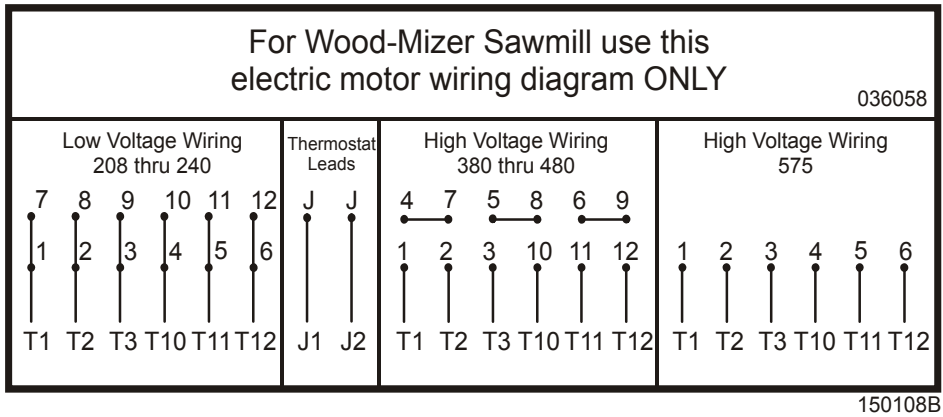


FIGURE 1

See Table 1. Install a fused disconnect switch within sight of the machine. Typical minimum switch, fuse, and wire sizes for use with various operating voltages are shown. All electrical installation must meet local electrical codes. Fuses are sized for short-circuit protection only. The motor is configured with internal thermostats for overload protection. If an overload condition does occur, the thermostats shut the motor down and the motor cannot be restarted until it cools to a safe operating temperature.

The minimum switch, fuse, and wire sizes for the sawhead electric control box is shown below.

3-Phase Volts	Time Delay Fuse (Class J)	Suggest SO Wire Size
230 VAC	50 Amps Max.	6AWG
460 VAC	30 Amps Max.	10AWG

TABLE 1

See Table 2. This table lists the 10 horsepower motor specifications for the LT15.

10hp Electric Motor Specifications	
Horsepower	10
RPM	3495
Volts	208-230/460
Amps	26-23.6/11.8
SF	1.25
SF Amps	30/15
NOM EFF	89.3/87.5
Frame	215T
Design	B
AMB	40° C
INS	F3
PH	3
ENCL	TEFC
Code	H
Duty	Saw


TABLE 2

See Figure 2. Make sure the power cords are free to travel the length of the machine and up and down with the saw head. Secure the power cord into the provided power cord boom system.



FIGURE 2

The inside of the electrical starter box must be kept dust-free. Disconnect and lock out all electrical power. Then, clean inside of box of any dust or wood chips. Do this on a regular schedule. Close and securely fasten the starter box door when finished; do not operate or store with starter box door open.

 **DANGER!** Hazardous voltage inside the disconnect box, starter box, and at the electric motor can cause shock, burns, or death. Disconnect and lock out power supply before servicing! Keep all electrical component covers closed and securely fastened during mill operation.

See Figure 3.

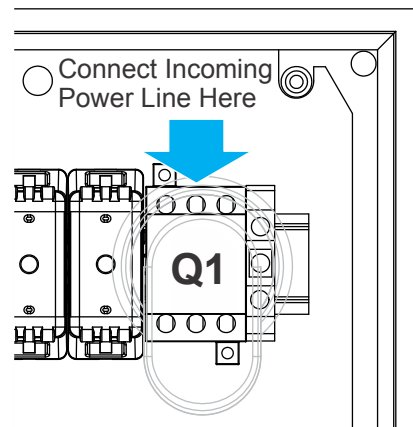


FIGURE 3