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DISCLOSURE

Single Phase Limitations

This agreement (“Agreement”) is between _____, a _____ corporation, having a principal place of business at: Address _____ City _____ State _____ Zip _____, Phone _____ Email _____

SINGLE PHASE MACHINES

Seller does not ever recommend the purchase of single phase machines as they are not suited to presses or machines that have flywheels; Presses use the inertia of a heavy flywheel to carry through each cut without the loss of RPM, however, at start up the motor incurs tremendous heat to get the flywheel up to operating speed. The motor itself would normally fail were it not for a start capacitor and run capacitor. The start capacitor is effectually a battery pack that provides extra power at startup. This is not an ideal solution but in some cases it's the only, solution if there is no 3 phase power available.

If the press is only being used for light duty and the operator is careful a single phase solution might work, but in most cases inevitably, someone forgets the limitations or was never taught the importance of not losing rpms between cuts and as the motor heats in an effort to get the flywheel back to speed the capacitors and motor fails.

The better solution if 3phase is not available is to purchase a step up transformer that uses a motor to create 3 phase power. Phase converters will not work for cold start machines that use flywheels. Questions about powering cutting presses and the limitations of single-phase motors should be discussed with a licensed electrician that has experience with single and 3phase electrical machinery.

Due to the common limitations of single phase machines Seller does not warranty the motors.

15.0 SIGNATURE

Print Name

Title

Company

Signature

Date