



# Single to 3-Phase Drive

## Features:

- The Sukup Single to 3-Phase Drive converts single-phase incoming power to 3-phase to run a single 3-phase motor.
- Sukup continuous flow dryers can be purchased with the Single to 3-Phase Drive installed, making larger dryers delivered from the factory equipped to run on single phase.
- Can be used independently on a fan, air system or any other electric application requiring higher horsepower motors on single-phase power.
- Unit acts as a soft start by limiting current draw on motor start up.
- Frequency drive gives the possibility of variable speed control and clean 3-phase power with no wild leg.
- The standard load reactor lessens harmonics in the outgoing 3-phase power which reduces motor operating temperature while extending motor life.
- The unit includes Direct Current (DC) Power Supply, Variable Frequency Drive (VFD), Load Reactor, and fuses.
- Available in 20, 30, 40, or 50 HP. Phase power is determined by motor size (see chart below).



DC Power Supply shield removed to show detail.



Load Reactor reduces the harmonics in the outgoing 3-phase power which reduces motor operating temperature and extends motor life.

## Single to 3-Phase Drive Specifications

Motor Size	Up to 20 HP	Up to 30 HP	Up to 40 HP	Up to 50 HP
Incoming Single-Phase Amps	Up to 100A	Up to 140A	Up to 200A	Up to 270A
Incoming Single-Phase Volts	230V	230V	230V	230V
Outgoing Three-Phase Amps	Up to 65A	Up to 95A	Up to 130A	Up to 160A
Outgoing Three-Phase Volts	230V	230V	230V	230V
Max Power Output	15kW	22kW	30kW	37kW



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