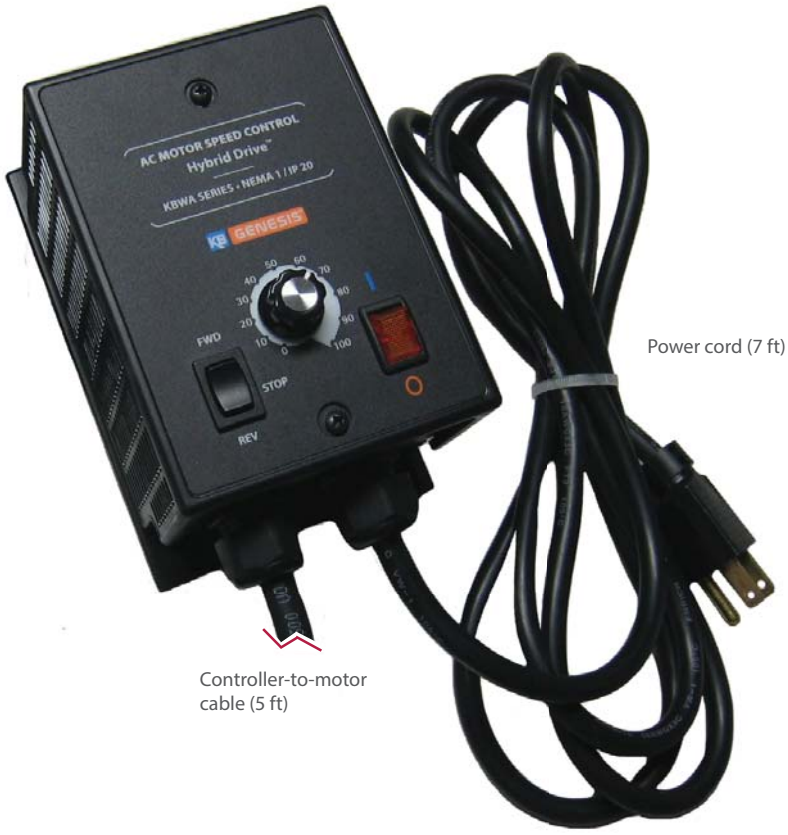
Mini Mover Conveyors

# 7170 Series Variable-Speed Control

## Custom KB Variable-Speed Controllers

### HYBRID DRIVE™ Interface

### NEMA 1 / IP 20 Enclosure




Mini-Mover Conveyors now offers variable speed controllers that are specially optimized at the KB factory to best suit our products. The electrical fine-tuning on our custom KB models (see P/N list below) ensures smooth operation through the full speed range on the dial.

## Primary Features

HP: 1/30 (25W), 1/18 (40W) & 1/8 (90W)
1-phase input 115 & 230 VAC, 50/60 Hz
3-phase output 230 VAC
200% starting torque
Front panel power on/off switch
Optimized for Mini-Mover Conveyors
Supplied "Forward-Stop-Reverse" switch

## Benefits

Motors last longer.
Proprietary CL software.
Provides overload protection, prevents motor burnout & eliminates nuisance tripping.
UL approved as electronic overload protector for motors.
Energy saving; used only the power the application requires, a benefit of variable-speed operation.
Economical to use; combines adjustable soft start with variable speed.

| P/N | Net Wt | Dimensions | HP (Watts) | Amps |
|---|---|---|---|---|
| 30-7177 (6456) | 1.58 lb (0.72 kg) | 6.06" L x 3.9" H x 4.0" W | 1/30 (25W) 1/18 (40W) | 1.2 |
| 30-7178 (6444) | 1.58 lb (0.72 kg) | 6.06" L x 3.9" H x 4.0" W | 1/8 (90W) | 2.4 |

## Additional Features

Sensorless flux vector control: flux vector compensation with static auto-tune for excellent speed regulation with high torque loads through entire speed range.
Electronic inrush protection: eliminates harmful inrush AC line current during power-up.
Ride through: provides smooth recovery to previous set speed during a momentary power loss.
Holding torque at zero speed: resists motor shaft rotation when drive is in "Stop" mode.
Regeneration protection: eliminates tripping dues to high voltage caused by rapid deceleration of high inertial loads.
Overvoltage and undervoltage protection: shuts drive down if AC line input is out of range.
Short circuit protection: shuts down drive is short circuit occurs at the motor (phase-to-phase)
Basic, programmable trimpot adjustments: Min. Speed, Max. Speed, Accel, Decel, Current Limit, Slip Comp.

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