

CAGE FANS

ELECTRONICALLY COMMUTATED (EC) MOTOR



EC Motor

Optional Speed Controller Knob

SIZE	CFM LOW/HIGH	HP	VOLTAGE	MOTOR RATED AMPS	SHIPPING WEIGHT
18"	Up to 4600	1/2	115-277V/1Ø	8 - 3.8	43 lbs
24"	Up to 6300	1/2	115-277V/1Ø	8 - 3.8	50 lbs
30"	Up to 9700	1/2	115-277V/1Ø	8 - 3.8	54 lbs

FEATURES

Finger Guards: OSHA Compliant Wire Guard

Power Cord: 12' Length

Plug: Three-prong 115V (Standard)

Speed Control Knob: (Optional) Needs shielded 22-gauge 3-conductor wire commonly referred to as signal/alarm wire

Decibels (Full Speed - 30" Cage Fan):

67 @ 20'

77 @ 3'

Warranty: 1 Year

- Combined single-phase voltages 115-277V AC using automatic power conversion circuitry
- Built-in self-protections: over current, thermal, locked rotor, no-load, over-voltage, under-voltage, failure to start
- Intelligent, programmable motor control
- Multiple speed control options: Potentiometer, 0-10VDC, 4-20mA, PWM, MODBUS
- RS485 Serial Communication with fully Configurable MODBUS parameters
- User Inputs:
 - RSS485 Serial Communication
 - 4 configurable Digital Inputs
 - 1 configurable Digital Output
 - 1 configurable Relay

BENEFITS

- Auto-adapts:** to line voltage (115V-277V, 50/60Hz) enabling SKU Reduction and ELIMINATES jumper wire or selection switch mistakes
- High Reliability:** backed by a 2-year motor warranty for peace of mind
- Integrated drive:** saves control panel space and wiring connection costs
- Power dense & compact:** enabling smaller equipment & space savings
- Configurable:** offering enhanced flexibility for systems integration

MOTOR

Frame: NEMA 48/56

HP: 1/2

RPM: 300 rpm - 1200 rpm variable speed

Single phase 115V | 208-230V | 277V & Dual Hz (50/60)

Enclosure: TENV, TEAO, & Open Construction

MOUNTS

CW Column-Wall

PS Portable Stroller



PATTERSON
THE AUTHORITY IN AIR MOVEMENT