

Operation Instructions for RAMFAN Dual Current, Variable Speed, PPV Blowers

Applies to Model #: EV400, EX400, EX500

Congratulations on your purchase of the RAMFAN Variable Speed Turbo Blower!

In response to our customers who expressed a need to operate blowers on both 15-amp and 20-amp circuits Euramco Safety, Inc. introduces the new Dual Current EV & EX Variable Speed Turbo Blowers. These blowers are ideal because generators, fire trucks or residential circuits can power them.

EV and EX blowers have a Power Source selection switch feature that allows them to function on a 20-amp or a 15-amp circuit, while avoiding nuisance circuit breaker trips, commonly experienced when connecting a 20-amp device to a 15-amp circuit.

These variable speed fans were designed for fire service applications and are intended for limited duty-cycle, not lasting for more than three hours per event.

The DC motors used on the variable speed blowers have an expected brush life of 400+ hours and limited duty-cycle.

Recommended duty-cycle should not exceed 3 hours ON, followed by an OFF rest period of 1 hour.

Set-up & Operation

20-Amp Circuits

1. Connect the Blower NEMA L5-20 twist-lock power connector to a mating receptacle, capable of providing 20 amps or more current at 110-120VAC.
2. Raise the Red Switch Guard and toggle the Power Source Switch to the 20-amp position.
3. Rotate the Speed Control clockwise to turn the Blower on and select the desired speed/CFM.



15-Amp Circuits

1. Attach the AC Power Adapter Cable, provided, to the Blower. This adapter cable, also known as the “dog bone”, converts a NEMA L5-20 twist-lock plug to standard NEMA 5-15 plug, suitable for operation with 15 amp 110-120VAC circuits.
2. Connect the NEMA 5-15 plug end of the adapter cable to a mating 15amp 110-120VAC receptacle. Ensure the Red Switch Guard is in the down position. This will force the Power Source Switch to the 15 amp position.
3. Rotate the Speed Control clockwise to turn the Blower on and select the desired speed/CFM level.



To turn blower off, rotate speed control knob fully counter-clockwise until it clicks in to the off position.

NOTE: Speed controller is spray-resistant, not waterproof.



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