

Operation Instructions for RAMFAN Variable Speed PPV Blowers

Applies to Model #'s: EV400CE, EV420, EV420CE, EX420, EX520, EX520F

Ramfan variable speed blowers 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 with limited duty-cycle operation. Recommended duty-cycle should not exceed 3 hours ON, followed by an OFF rest period of 1 hour.

Set-up & Operation

1. Place fan in desired location for PPV application.
2. Hold the top of the shroud with left hand and loosen knob with right hand. Tilt fan to desired position. Tighten knob to secure in place. See *figure 1*.
3. Check to make sure the speed control knob is in the **OFF** position (fully counter-clockwise). See *figure 2*.
4. Plug power connector to a mating receptacle, capable of providing the minimum power requirements as shown in *figure 3*. Fan can be powered through GFCI outlets.
5. Rotate the Speed Control clockwise to turn the blower **ON** and to select the desired speed / CFM level.
6. To turn blower **OFF**, rotate speed control knob fully counter-clockwise until it clicks in to the **OFF** position.

Figure 1





Figure 2



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

Figure 3

ELECTRICAL CONFIGURATIONS					
MODEL	EV400CE (50HZ)	EV420 (60Hz)	EV420CE (50HZ)	EX420 (50/60HZ)	EX520 (50/60HZ)
PART #	EB80501	EB80510	EB81505	EB88245	EK86520
AMPS	16A	10A	10A	10A	10A
VOLTS	110-125V	220-240V	220-240V	220-240V	220-240V

PLUGS		
20A, 110-125V Nema Twistlock (USA)		16A, 110-125V Schuko (CE)
20A, 220-240V Nema Twistlock (USA)		16A, 220-240V Schuko (CE)
	