



## ECM 51 frame commercial refrigeration motors

GE has developed an electronically commutated motor that can serve as a drop-in replacement of conventional vertical discharge 51 frame motors in two-to-25 watt applications. This motor is available in a 9 watt and a 16 watt version. The ECM line (a line of brushless DC motors) design allows operating efficiencies up to 3 times that of standard motors currently in use. This promises substantial energy savings and potentially fast pay-back on the cost of conversion.

### application notes:

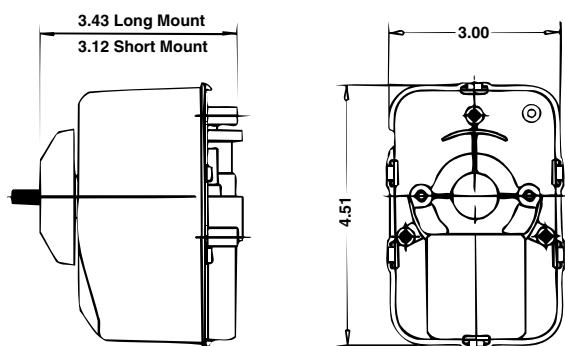
- Motor must be vertical shaft up to 60° from vertical for proper condensate drainage.
- 05443 will replace most existing 9-12 watt unit bearing motors using 8-9" fans with 20-37 degree pitch blades.
- 05444 will replace most unit bearing motors using 8-9" fans with 25-37 degree pitch blades.

### features:

- Ultra high efficiency
- improved reliability
- enhanced airflow performance
- energy savings of 60 to 75 percent over a wide speed range
- specially designed labyrinth seal keeps water out of the motor during high pressure washing
- low operating temperature
- individually boxed
- accessories included with each motor; (1) speed nut to mount fan blade, (1) rubber cushion washer, (2) spacer washers, (3) thread forming screws

### specifications:

- totally enclosed air over
- ball bearings
- 50/60 hertz



Mounting: #8-32 THRS, 3 PLS, 2,812 Dia.

### ECM installation's average annual energy savings versus shaded pole motors

05443	\$35
05444	\$55

@ 8¢ KWH and 1.75 multiplier on energy saving

### 1650 rpm—1/4-20 threaded shaft

MARS NO.	GE NO. 5SME	WATTS	ROT OSE	VOLTS	AMPS	LEAD LENGTH
05443	44GG5014	9	CW	115	.32	12"
05444	44GG5015	16	CW	115	.4	12"