



SF Universal Indoor ECM Motors

The SF Universal Indoor Electronically Commutated Motor (ECM) is a great truck stock X-13® replacement. Two SKUS cover a wide breadth of applications, saving inventory dollars while still allowing you to serve customers quickly and easily.

The SF Universal Indoor ECM features an auto-sizing mode which after a roughly three minute cycle “self-programs” the motor based on the static pressure in the application. The auto-sizing cycle will configure the correct speed and torque settings for the unit. This allows you to diagnose, install, and fix X-13® motor replacements in one trip.

Motor Offering

Part Number	Enclosure	Horsepower	Voltage	Full Load Amps	Rotation	Dimension A	Dimension B
SFMUNVECMCTID12	OAO	1/4 - 1/2	115/230	6.4 @ 115 3.8 @ 230	CW/CCW	10.67"	5.73"
SFMUNVECMCTID01	OAO	1/2-1	115/230	11.5 @ 115 6.2 @ 230	CW/CCW	11.61"	6.67"

Optional Accessories

Part Number	Description
SFECMCTUNVPRM	Hand Held Programmer

*Handheld programmer can be purchased as a separate accessory if additional speed and torque adjustments are desired. Only used in specialized applications.

Specifications

- Designed to replace direct drive blower motors used in residential and light commercial indoor furnaces, air handlers and package systems that were designed with a standard ECM motor (X-13®)
- Multi-horsepower (1/4-1/2 & 1/2-1), dual voltage (115/230) and rotation (CCW & CW)
- 4 discrete speeds + constant fan mode
- NEMA 48 frame (5.6 inch diameter)
- UL and cUL recognized

Benefits

- Self-programs with proprietary auto-sizing feature
- Universal ECM CT (X-13®) replacement
- Accepts OEM wire harness and wires directly to the thermostats
- Two SKUS replace indoor X-13® motors up to 1 HP
- Truck stock motor that allows you to diagnose and fix in one trip
- Value based alternative for outside of warranty replacement

Which Motor is Right for Your Job?

Focus Area	OEM	SF ECM	National Brands
Trane designed system performance	x		
Trane designed reliability	x		
Exact OEM Fit	x		
Flexibility to work on most HVAC equipment		x	x
Truck stock		x	

Competitive Cross Reference

HP	Voltage	SF Part Number	Genteq (Regal) Part Number	US Motors (Nidec) Part Number
1/3	115	SFMUNVECMCTID12	6103E	6630RS
1/3	208-230		6203E	
1/2	115		6105E	6631RS
1/2	208-230		6205E	
3/4	115	SFMUNVECMCTID01	6107E	6650RS
3/4	208-230		6207E	6614RS
1	115		6110E	6650RS
1	208-230		6210E	6651RS