

# SFE, SFEX, SFECM – THE FURNACE

MODULATING ELECTRIC FURNACES WITH ELECTRONIC CONTROLS



## THE FURNACE



## THE ALL-INCLUSIVE FURNACE

At last, Stelpro has designed an electric furnace that meets all your expectations. Our The furnace products are the only ones on the market that come equipped with a built-in temperature sensor, making installation much easier. You can say goodbye to undesirable variances in temperature thanks to their state-of-the-art electronic controls! Moreover, a new model, the SFEX, has been added to our product line. Powered by an ECM motor, it meets all performance requirements and provides additional energy savings. Simply choose the model that best suits your needs!

### ■ NEW ELECTRONIC BOARD PROGRAMMING

COMPATIBLE WITH HEAT PUMP INSTALLATIONS

### ■ BUILT-IN TEMPERATURE SENSOR MAINTAINS MINIMUM HEATED AIR AT ALL TIMES

### ■ STATE-OF-THE-ART ELECTRONIC CONTROLS ECO MODE FOR INCREASED SAVINGS

### ■ ECM MOTOR GUARANTEES SAVINGS, CONSTANT AIRFLOW AND GREATER EFFICIENCY (SFECM MODEL)

### ■ 1 HP MOTOR AVAILABLE STARTING FROM 20 KW

### ■ PRE-DRILLED PANELS SIMPLIFY INSTALLATION AND CONNECTION

### FINISH

- powder coat (charcoal)

### MANUFACTURING

- robust galvanized steel cabinet
- easy access to electronic board to adjust the various potentiometers
- 20 in. x 20 in. x 1 in. air filter opening (filter not included)
- circuits composed exclusively of reliable relays
- two thermal protections with manual reset

### ELEMENTS

- modulating elements for increased comfort and separately framed allowing for quick and easy replacement

### MOTOR

- totally enclosed, permanently lubricated motor
- ECM – preset motor speed (SFEX model)
- ECM – variable motor speed (SFECM model)

### CONTROL

- electronic board that compensates when heat pump is in defrost mode
- easy-to-use modes
- continuous ventilation button (low or high speed)
- continuous heating button (min or max)
- simplified connection system
- mechanical relays allowing for easy and low-cost maintenance

### INSTALLATION

- three possible installation positions: upflow, downflow or horizontal
- installation directly against a wall ("zero inch" clearance)
- three conductor installation possible

### WARRANTY

- five years

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Stelpro reserves the right to modify at any time the description, manufacturing, or price of its products. Additionally, Stelpro may apply restocking fees or refuse a refund based on one or more of the following criteria: optional color, custom product, assembly with low-demand options. For the latest product information and prices regarding the products, please visit the website [www.stelpro.com](http://www.stelpro.com).



# TECHNICAL SPECIFICATIONS

PRODUCT	POWER AND VOLTAGE		AMPERAGE	MOTOR POWER	WEIGHT		PRICE
CODE	KILOWATTS	VOLTS	AMPERES	HP	KG	LB	
<b>SFE SERIES (Models available in Quebec only)</b>							
SFE1021	10/7.5	240/208	44/38	1/3	45	100	<b>1 803.00</b>
SFE1521	15/11.2	240/208	65/56	1/3	45	100	<b>1 891.00</b>
SFE1821	17.5/13.2	240/208	75/66	1/3	45	100	<b>1 929.00</b>
SFE2021	20/15	240/208	85/74	1/3	45	100	<b>1 929.00</b>
SFE2321	22.5/16.9	240/208	96/84	1/3	45	100	<b>2 015.00</b>
SFE2721	27.5/20.7	240/208	119/104	1	48	105	<b>2 649.00</b>
SFE3021	30/22.5	240/208	130/113	1	48	105	<b>2 722.00</b>
SFE20211HP	20/15	240/208	88/77	1	48	105	<b>2 276.00</b>
SFE23211HP	22.5/16.9	240/208	99/87	1	48	105	<b>2 359.00</b>
<b>SFEX SERIES</b>							
SFEX1021	10/7.5	240/208	44/38	1/3	45	100	<b>2 286.00</b>
SFEX1521	15/11.2	240/208	65/56	1/3	45	100	<b>2 363.00</b>
SFEX1821	17.5/13.2	240/208	75/66	1/3	45	100	<b>2 414.00</b>
SFEX2021	20/15	240/208	85/74	1/3	45	100	<b>2 428.00</b>
SFEX2321	22.5/16.9	240/208	96/84	1/3	45	100	<b>2 512.00</b>
SFEX2721	27.5/20.7	240/208	119/104	1	52	115	<b>2 998.00</b>
SFEX3021	30/22.5	240/208	130/113	1	52	115	<b>3 063.00</b>
SFEX2021HP	20/15	240/208	88/77	1	52	115	<b>2 773.00</b>
SFEX2321HP	22.5/16.9	240/208	99/87	1	52	115	<b>2 857.00</b>
<b>SFECM SERIES</b>							
SFECM1021	10/7.5	240/208	44/38	1/2	45	100	<b>2 692.00</b>
SFECM1521	15/11.2	240/208	65/56	1/2	45	100	<b>2 857.00</b>
SFECM1821	17.5/13.2	240/208	75/66	1/2	45	100	<b>2 926.00</b>
SFECM2021	20/15	240/208	85/74	1/2	45	100	<b>2 961.00</b>
SFECM2321	22.5/16.9	240/208	96/84	1/2	45	100	<b>3 125.00</b>
SFECM2721	27.5/20.7	240/208	119/104	1	48	105	<b>3 762.00</b>
SFECM3021	30/22.5	240/208	130/113	1	48	105	<b>3 866.00</b>
SFECM20211HP	20/15	240/208	88/77	1	48	105	<b>3 491.00</b>
SFECM23211HP	22.5/16.9	240/208	99/87	1	48	105	<b>3 657.00</b>

See user guide for all technical specifications.

## ACCESSORIES

PRODUCT	DESCRIPTION	PRICE
FSB2	SFE furnace downflow adaptor	<b>192.00</b>
SCOND	neutral terminal for third conductor	<b>60.00</b>

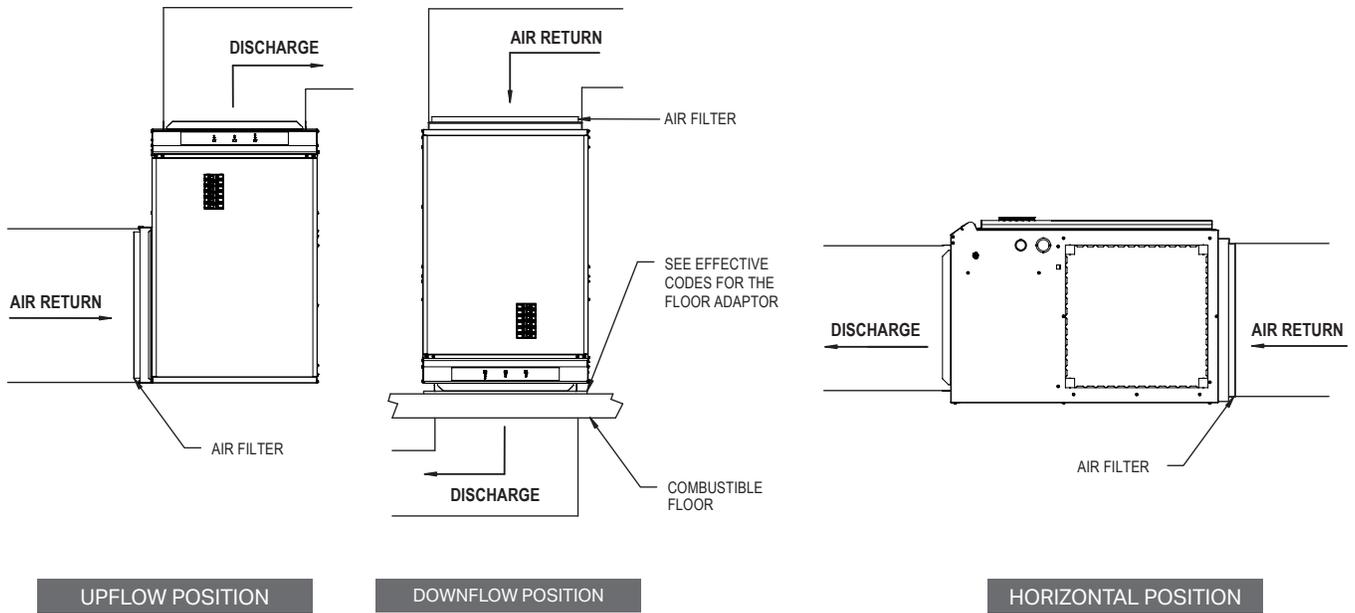
## SFECM SERIES

### ECM MOTOR – ELECTRONICALLY COMMUTATED MOTOR

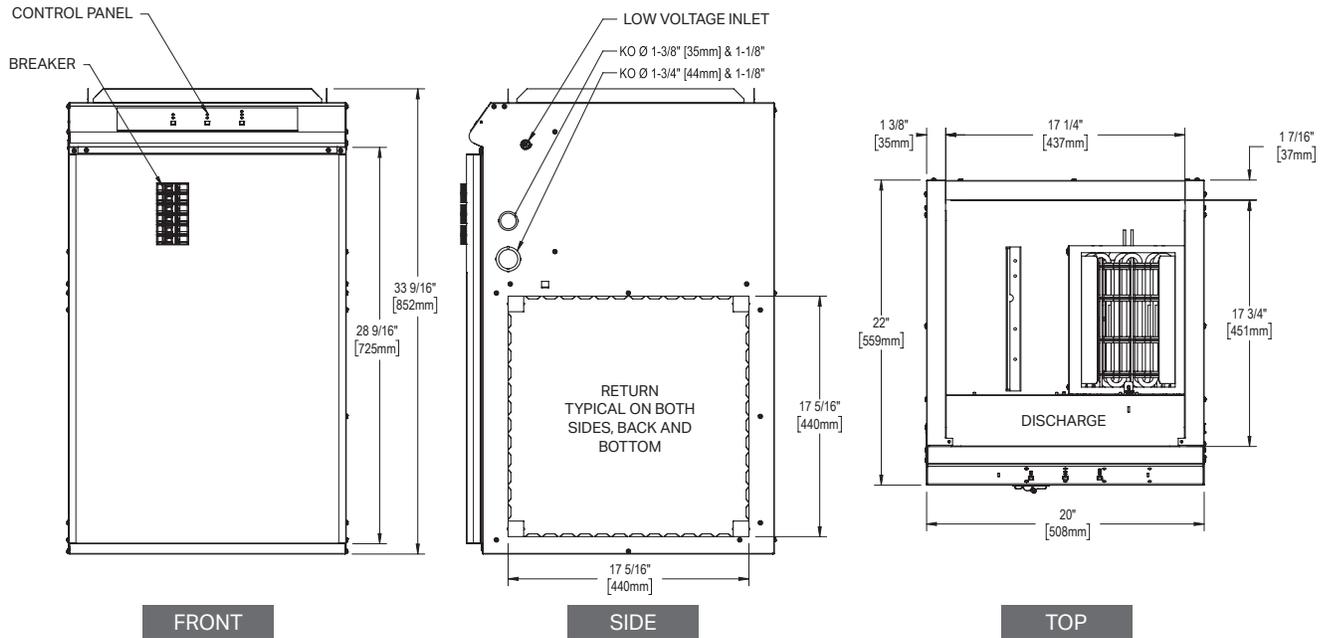
COMFORT, EFFICIENCY, RELIABILITY AND SECURITY ARE AT THE HEART OF THE ECM

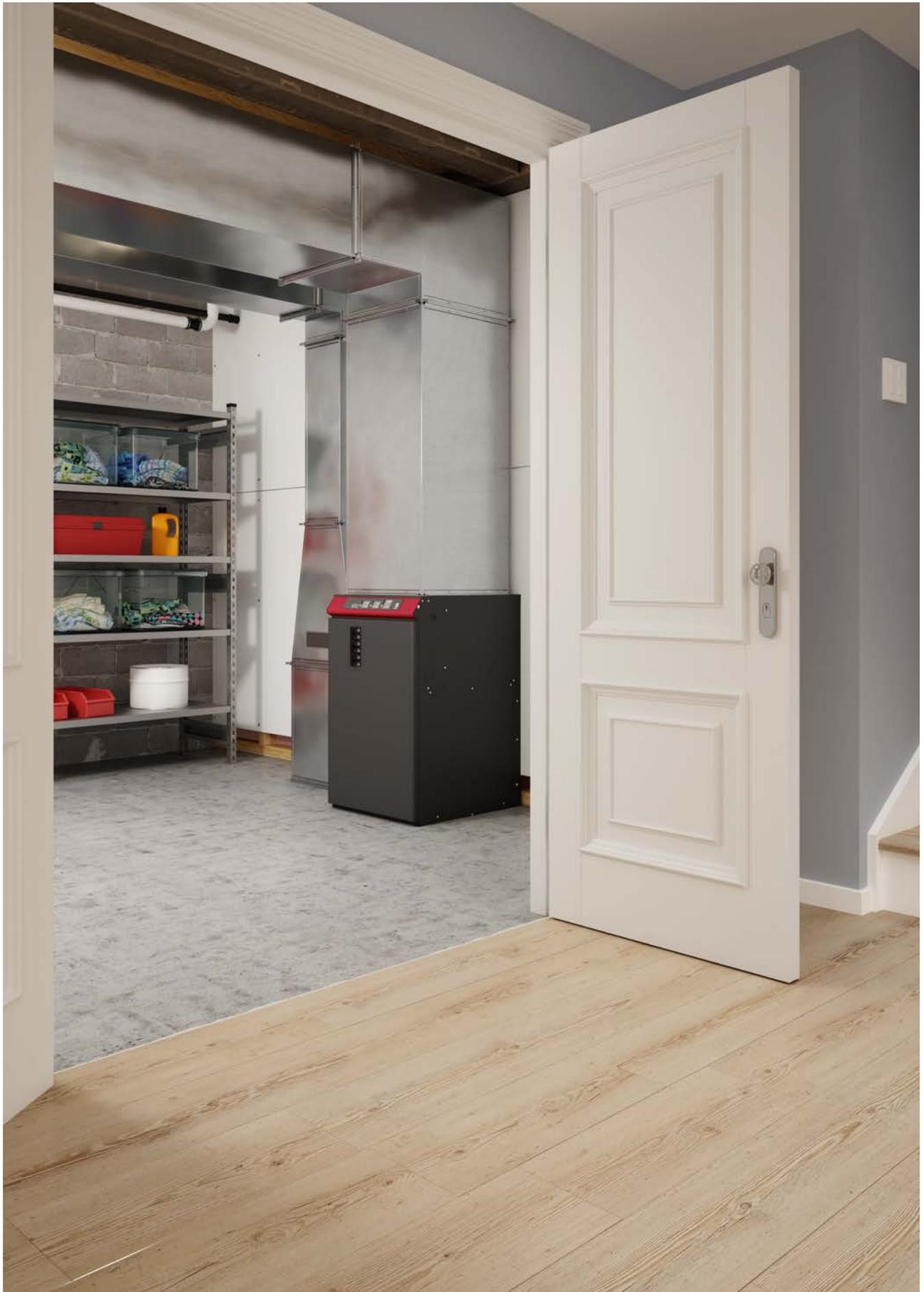
COMFORT	EFFICIENCY	RELIABILITY	SECURITY
<p>Comfort level can be increased if a variable speed motor is installed. This level cannot be reached with any other method. It also allows the user to select the low speed with the desired airflow in recirculation.</p>	<p>Since it combines electronic circuits and a BLDC motor, it is the most efficient motor on the HVAC market. It can reach up to twice the capacity of a PSC motor.</p>	<p>All its electronic circuits are protected against condensation. Thanks to its design and materials, such as silicone elastomer, it is one of the most reliable motors on the market.</p>	<p>Its electronic system is protected by MOVs (metal oxide varistors) against lightning overvoltages.</p>

# INSTALLATION



# TECHNICAL DRAWINGS





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