SFE, SFEX, SFECM – THE FURNACE

MODULATING ELECTRIC FURNACES WITH ELECTRONIC CONTROLS

THE FURNACE

5 YEAR WARRANTY

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

°STELPRO

HRAI YOUR ENVIRONMENT/OUR EXPERTISE MEMBER COMPANY

SFEX, SFECM MODELS   SFE MODELS

C CSA US   CSA

TECHNICAL SPECIFICATIONS

PRODUCT	POWER AND VOLTAGE		AMPERAGE	MOTOR POWER	WEIGHT	
CODE	KILOWATTS	VOLTS	AMPERES	HP	KG	LB
SFE SERIES (Models available in Quebec only)						
SFE1021	10/7.5	240/208	44/38	1/3	45	100
SFE1521	15/11.2	240/208	65/56	1/3	45	100
SFE1821	17.5/13.2	240/208	75/66	1/3	45	100
SFE2021	20/15	240/208	85/74	1/3	45	100
SFE2321	22.5/16.9	240/208	96/84	1/3	45	100
SFE2721	27.5/20.7	240/208	119/104	1	48	105
SFE3021	30/22.5	240/208	130/113	1	48	105
SFE20211HP	20/15	240/208	88/77	1	48	105
SFE23211HP	22.5/16.9	240/208	99/87	1	48	105
SFEX SERIES						
SFEX1021	10/7.5	240/208	44/38	1/3	45	100
SFEX1521	15/11.2	240/208	65/56	1/3	45	100
SFEX1821	17.5/13.2	240/208	75/66	1/3	45	100
SFEX2021	20/15	240/208	85/74	1/3	45	100
SFEX2321	22.5/16.9	240/208	96/84	1/3	45	100
SFEX2721	27.5/20.7	240/208	119/104	3/4	52	115
SFEX3021	30/22.5	240/208	130/113	3/4	52	115
SFEX2021HP	20/15	240/208	88/77	3/4	52	115
SFEX2321HP	22.5/16.9	240/208	99/87	3/4	52	115
SFECM SERIES						
SFECM1021	10/7.5	240/208	44/38	1/2	45	100
SFECM1521	15/11.2	240/208	65/56	1/2	45	100
SFECM1821	17.5/13.2	240/208	75/66	1/2	45	100
SFECM2021	20/15	240/208	85/74	1/2	45	100
SFECM2321	22.5/16.9	240/208	96/84	1/2	45	100
SFECM2721	27.5/20.7	240/208	119/104	1	48	105
SFECM3021	30/22.5	240/208	130/113	1	48	105
SFECM20211HP	20/15	240/208	88/77	1	48	105
SFECM23211HP	22.5/16.9	240/208	99/87	1	48	105

See user guide for all technical specifications.

ACCESSORIES

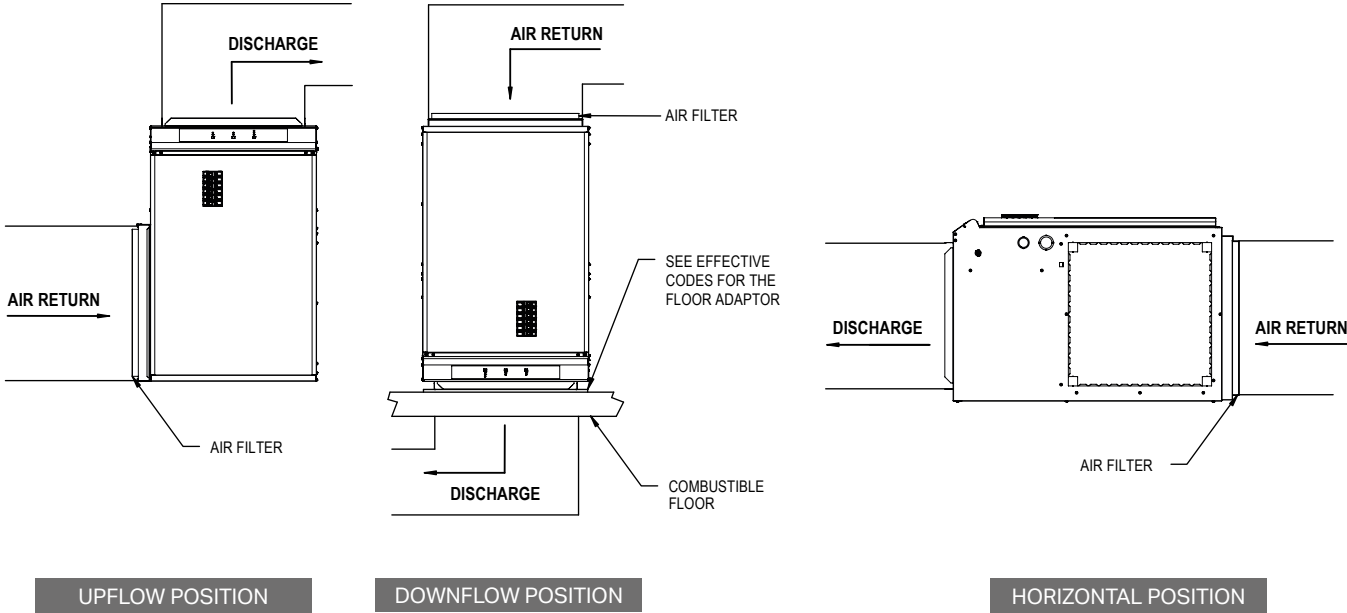| PRODUCT	DESCRIPTION
FSB2	SFE furnace downflow adaptor
SCOND	neutral terminal for third conductor

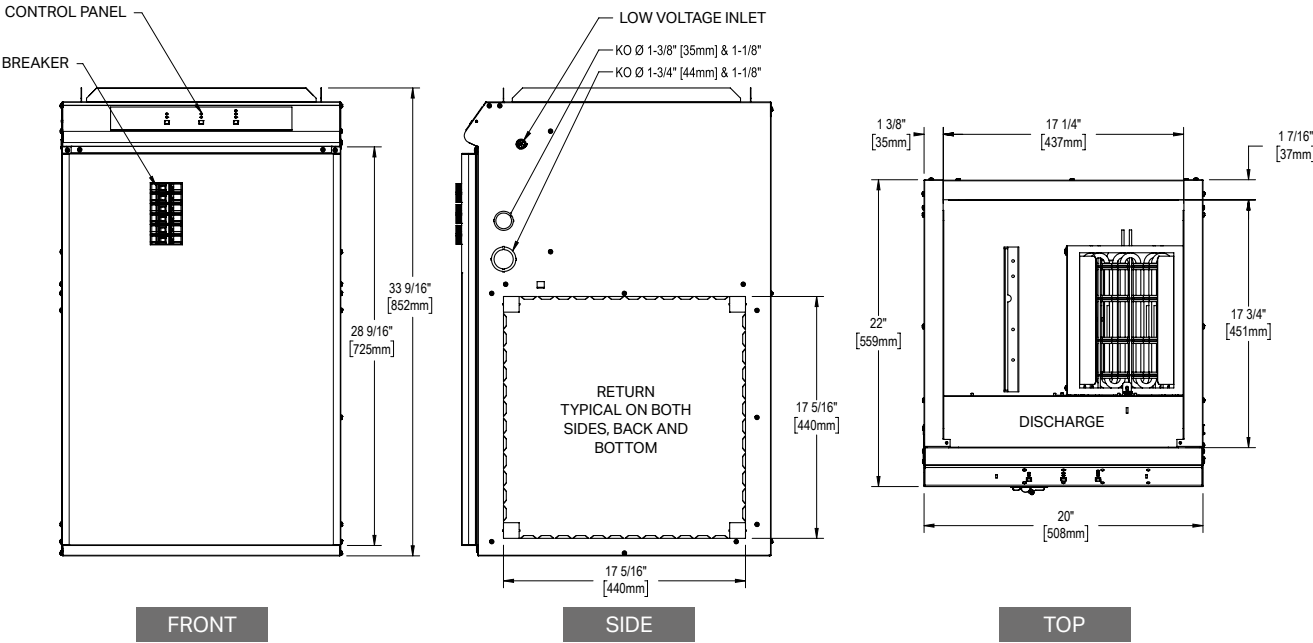# SFECM SERIES

ECM MOTOR – ELECTRONICALLY COMMUTATED MOTOR
COMFORT, EFFICIENCY, RELIABILITY AND SECURITY ARE AT THE HEART OF THE ECM

COMFORT

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.

EFFICIENCY

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.

RELIABILITY

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.

SECURITY

Its electronic system is protected by MOVs (metal oxide varistors) against lightning overvoltages.

INSTALLATION

DISCHARGE

AIR RETURN

AIR FILTER

AIR RETURN

AIR FILTER

SEE EFFECTIVE CODES FOR THE FLOOR ADAPTOR

DISCHARGE

COMBUSTIBLE FLOOR

DISCHARGE

AIR RETURN

AIR FILTER

UPFLOW POSITION	DOWNFLOW POSITION	HORIZONTAL POSITION

TECHNICAL DRAWINGS

CONTROL PANEL

BREAKER

LOW VOLTAGE INLET

KO Ø 1-3/8" [35mm] & 1-1/8"
KO Ø 1-3/4" [44mm] & 1-1/8"

33 9/16" [852mm]

28 9/16" [725mm]

RETURN TYPICAL ON BOTH SIDES, BACK AND BOTTOM

17 5/16" [440mm]

17 5/16" [440mm]

1 3/8" [35mm]

17 1/4" [437mm]

1 7/16" [37mm]

22" [559mm]

17 3/4" [451mm]

DISCHARGE

20" [508mm]

FRONT	SIDE	TOP