

SEFE modulating electric furnace with electronic controls

Heating Ventilation Electronics



- Electronic controls**
user-friendly interface with pilot lights
- Modulation of the heating elements**
resulting in less temperature variations during cycles
- Continuous mode at 2.5 or 5 kW**
increases the temperature to reduce the feeling of cold air currents in recirculation
- Terminal block compatible with air conditioners and heat pumps**
- Continuous high-low ventilation**
- Compartmentalized door**
for an easy access to all components
- Adjustable louvers**
better control over static pressure, airflow and ΔT
- Simplified connections**
- Multiple installation positions**
upflow, downflow or horizontal

For an exceptional comfort

Efficiency, quality and reliability, that's what the SEFE furnace has to offer! It has the same exceptional features as the SEF model, but it is equipped with an electronic board that allows the modulation of the electric elements. As a result, you can enjoy a constant ambient temperature. Moreover, if you have a heat pump and if a thermal exchanger is installed in the return duct, you can also take advantage of the modulation: a constant temperature, without the variations that usually result from a heat pump. The SEFE can also be installed in mobile homes using the FSB1 adapter.

Features

color: light charcoal **finish:** powdercoated **manufacturing:** robust monopiece galvanized steel cabinet • adjustable, detachable louvers (better control of static pressure, airflow, ΔT and noise) • compartmentalized door providing easy access to all components • disposable 20 x 20 in. air filter (included) • compatibility mechanism for air conditioners and heat pumps (included) • pilot lights that clearly identify the selected modes • 1 type of relay for all functions **elements:** modulating elements for increased comfort • elements separately framed allowing for quick and easy replacement • M-shaped elements supports increasing heat transfer surface • electronic sequences **motor:** totally enclosed, permanently lubricated motor **control:** easy-to-use modes • automatic shut-down of the continuous heating modes, if needed • power selector switch • continuous ventilation switch (low or high speed) • continuous heating switch (2.5 or 5 kW) • simplified connexion system • electronic board replacing the sequencers • 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) • possible installation with 3 conductors **warranty:** 5 years

Controls table



continuous ventilation		continuous heating		thermostat: heating demand	
LOW SPEED	HIGH SPEED	2.5 kW	5.0 kW	50%	100%
the low or high speed switch allows to select the low or high speed continuous ventilation mode or to keep the automatic mode active	improves temperature uniformity and increases efficiency of the humidifier or the filtration system, if needed	allows a heat increase up to 2.5 kW in order to reduce the feeling of cold airstreams in recirculation*	allows a heat increase up to 5.0 kW in order to reduce the feeling of cold airstreams in recirculation*	reduces the maximum power by approximately half during the seasonal transition periods	maximum power (during the coldest months of the year)

* increase the elapsed time between heating demands

Approved according to the Canadian standards only
for American versions, visit our website or contact our customer service

Stelpo Design Inc. reserves the right to modify any design and/or dimension of its units at any time. Visit www.stelpo.com to view the latest version of this product.



Selection table

product	power	voltage	amperage	power	motor	height		width		length		weight		price
code	kilowatts	volts	amp.	hp	speeds	mm	in.	mm	in.	mm	in.	lb	kg	
SEFE1021	10.0/7.5	240/208	44/38	1/3	4	929	36 9/16	511	20 1/8	538	21 3/16	100	45	1 033.00
SEFE1521	15.0/11.2	240/208	65/56	1/3	4	929	36 9/16	511	20 1/8	538	21 3/16	100	45	1 083.00
SEFE1821	18.0/13.5	240/208	77/67	1/3	4	929	36 9/16	511	20 1/8	538	21 3/16	100	45	1 117.00
SEFE2021	20.0/15.0	240/208	85/74	1/3	4	929	36 9/16	511	20 1/8	538	21 3/16	100	45	1 117.00
SEFE2321	23.0/17.2	240/208	98/85	1/3	4	929	36 9/16	511	20 1/8	538	21 3/16	100	45	1 226.00
SEFE2721	27.0/20.2	240/208	118/102	1	3	929	36 9/16	511	20 1/8	538	21 3/16	105	48	1 386.00
SEFE3021	30.0/22.5	240/208	130/113	1	3	929	36 9/16	511	20 1/8	538	21 3/16	105	48	1 440.00

Prices indicated in this catalog are valid 90 days starting from March 1, 2011. For all the updated prices, please refer to the Web site.

Speeds and dampers

10 to 23 kW

unit	ESP	damper 1	damper 2	damper 3	L		ML		MH		H	
kW	PCE	degrees	degrees	degrees	cfm	ΔT (°F)	cfm	ΔT (°F)	cfm	ΔT (°F)	cfm	ΔT (°F)
10	0.2	30	30	0	802*	37*	896	33	896	33	952	32
15	0.2	45	45	0	896	50	952*	47*	1088	41	1129	40
18	0.2	45	45	0	896	60	952*	57*	1088	50	1129	48
20	0.2	45	60	0	896	67	952*	63*	1088	55	1129	53
23	0.2	45	60	0	896	77	952	72	1088*	63*	1129	61
10	0.5	30	30	0	690*	43*	748	40	817	37	874	34
15	0.5	45	45	0	817	55	970*	46*	1017	44	1052	43
18	0.5	45	45	0	817	66	970*	56*	1017	53	1052	51
20	0.5	45	60	0	817	73	970	62	1017*	59*	1052	57
23	0.5	45	60	0	817	84	970	71	1017*	68*	1052	66

27 to 30 kW

unit	ESP	damper 1	damper 2	damper 3	L		M		H	
kW	PCE	degrees	degrees	degrees	cfm	ΔT (°F)	cfm	ΔT (°F)	cfm	ΔT (°F)
27	0.2	45	45	90	1717	47	1901	43	2060	39
30	0.2	45	45	90	1717	52	1901	47	2060	44
27	0.5	45	45	90	1573	51	1751	46	1905	43
30	0.5	45	45	90	1573	57	1751	51	1905	47
27	0.75	45	45	90	1500	54	1716	47	1810	45
30	0.75	45	45	90	1500	60	1716	52	1810	50

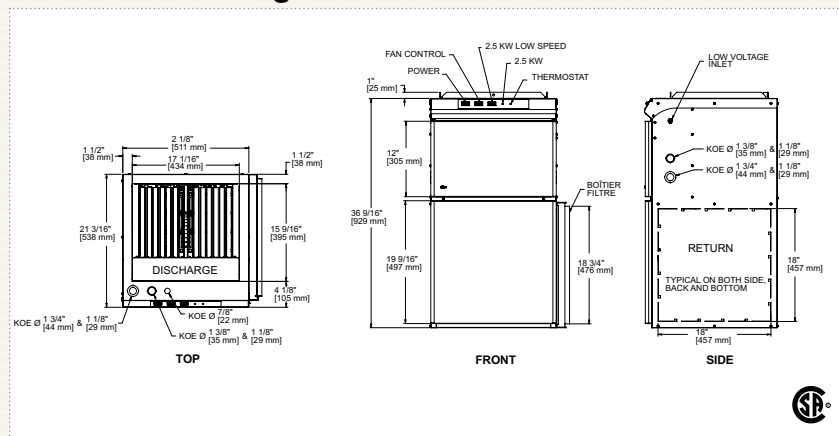
L (low); ML (medium/low); M (medium); MH (medium/high); H (high)

speeds and dampers are factory adjusted

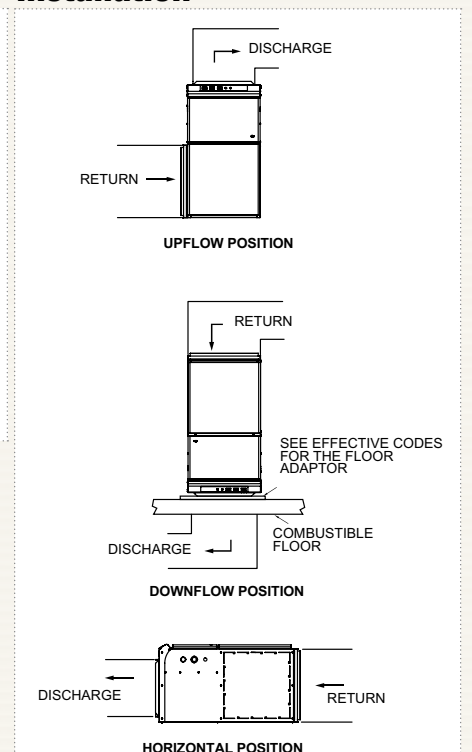
the continuous mode is set at low speed

* recommended (factory pre-cabled)

Technical drawings



Installation



Accessories/filters

For optimum efficiency and a better air quality: add a Stelpro filter

For a complete list of accessories, please refer to the accessories table at page 77.