

The best designed furnace

The functional and effective design of the **SEF** is like no other. It will charm both installers and users with its simple functioning and easy maintenance. The **SEF** will adapt to each home's air volume and duct configuration. Tired of being too cold or too hot in spring and autumn? The **SEF**'s seasonal transition option is the solution. Now power, versatility, security and style are combined in one truly great appliance.



{features}

color	light charcoal
finish	powdercoated
manufacturing	<ul style="list-style-type: none"> robust monopiece galvanized steel cabinet adjustable, detachable louvers (better control over static pressure, airflow, ΔT and noise) compartmentalized door providing easy access to all components disposable air filter 20 x 20 in. (included) compatibility mechanism for air conditioners and heat pumps (included) pilot lights clearly identifies the selected modes
wattage & voltage	see the selection table
éléments	<ul style="list-style-type: none"> elements separately framed elements allowing quick and easy replacement M-shaped elements supports increasing heat transfer surface
motor	totally enclosed, permanently lubricated motor
control	<ul style="list-style-type: none"> power selector continuous ventilation (low speed) continuous (2.5 kW)
installation	<ul style="list-style-type: none"> three possible installation positions: upflow, downflow or horizontal installation directly against a wall ("zero inch" clearance)
warranty	5 years

 **installation**
upflow, downflow or horizontal

 **Adjustable, detachable louvers**
Insure a better control over static pressure, airflow, ΔT and noise

 **pilot light**
clearly identifies the selected modes

 **filter**
disposable 20 x 20 in. (incluAded)

 approved according to the Canadian standards only



{controls table}

power selector		continuous ventilation (low speed)		continuous (2.5 kW)	
low	high	off	on	off	on
reduces the maximum power by approximately half during the seasonal transition periods.	maximum power (during the coldest months of the year)	on standby (awaiting demand for heating or air-conditioning)	improves temperature uniformity and increases efficiency of the humidifier or filtration system if needed	no heating if there is no demand from the thermostat	increase the temperature to reduce the feeling of cold air currents in recirculation*

* Increase the elapsed time between heating demands

{selection table}

products code	power kilowatts	voltage		amperage		power hp	motor speeds	height		width		depth		weight	
		volts	volts	amp.	amp.			mm	in.	mm	in.	mm	in.	lb	kg
SEF1021	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		
SEF1521	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		
SEF1821	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		
SEF2021	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		
SEF2321	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		
SEF2721	27.0/20.2	240/208	118/102	1	3	929	36 9/16	511	20 1/8	538	21 3/16	105	48		
SEF3021	30.0/22.5	240/208	130/113	1	3	929	36 9/16	511	20 1/8	538	21 3/16	105	48		

{speeds and dampers}

10 to 23 kW

unit kW	ESP PCE	damper 1 degrees	damper 2 degrees	damper 3 degrees	L		ML		MH		H	
					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 kW	ESP PCE	damper 1 degrees	damper 2 degrees	damper 3 degrees	L		M		H	
					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

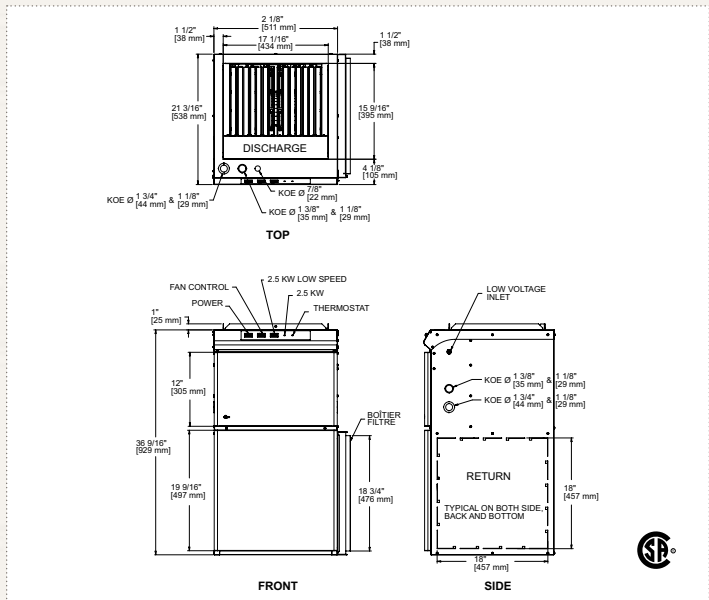
L (low); ML (medium/low); M (medium); MH (medium/high); H (high)
 speeds and dampers are factory adjusted
 the continous mode is set at low speed
 * recommended (factory pre-cabled)

{examples of damper adjustments}

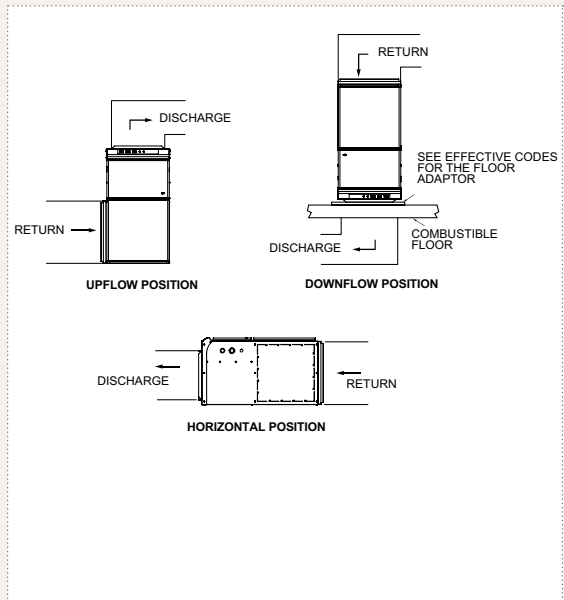
unit kW	ESP PCE	damper 1 degrees	damper 2 degrees	damper 3 degrees	adjustment speed	flow cfm
10 to 23	0.5	90	90	0	H	1478
27 to 30	0.5	60	60	90	H	2167
27 to 30	0.5	90	90	90	H	2250



{technical drawing}



{installation}



SEF