

LOW-FLOW

REV. 1
2018

ROSEMEX PRODUCTS

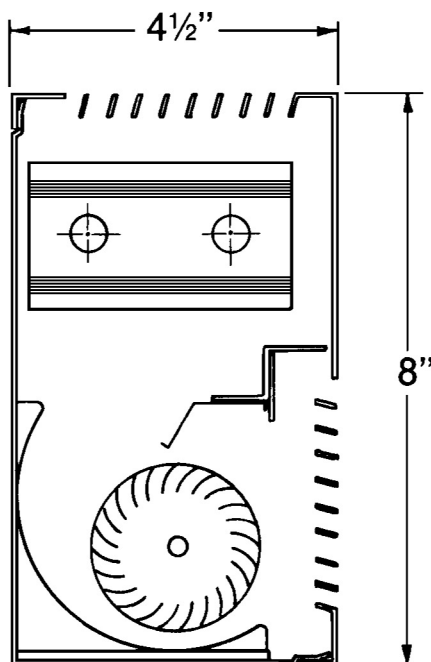
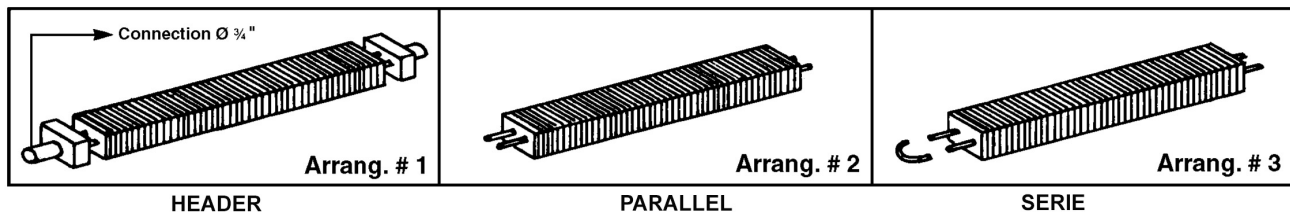
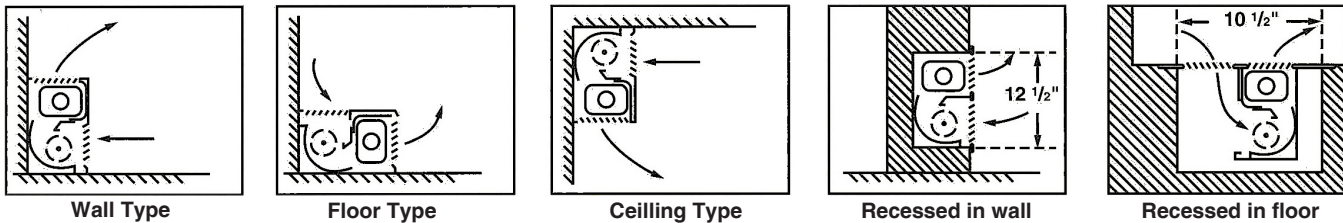
HEATING



APPLICATION

Rosemex low-flow forced-air fin tube radiation is designed primarily for use in large window areas where high heat losses occurs. Two standard unit sizes 48" and 96" are available with 50 1/2" and 98" enclosures for individual installation. Smooth finish slip joint cabinets are also available for wall to wall installation.

Several different arrangement are available. Some standard basic arrangements are ceiling mounted, floor mounted, recessed in wall, recessed in floor. Special free standing and custom built cabinets are also available. Three types of element piping arrangement are possible.



CABINET

Cabinet and all accessories are manufactured of 16 ga. cold rolled steel, and coated with rust proof tan primer finish.

ELEMENT

Copper aluminium heating elements are manufactured of 2 row Ø 1/2" seamless copper tubes permanently bonded to aluminium fins.

MOTOR

Motors are shaded pole type, tapped wound, two speed with built in thermal overload protection for 115/1/60. Permanently lubricated for a minimum of 20,000 hours of operation.

FANS

Two aluminium tangential blowers are directly connected to a double extended motor shaft. Statically and dynamically balanced for quiet vibration free operation.

CONTROLS

Two speed motor switch with "OFF" position is mounted behind an access door on all floor and wall models. Optional line voltage thermostats can also be mounted by the factory.

TABLE 1

MODEL	MOTOR							AIR INLET EMP. 65 °F - 18.3 °C				WATER INLET TEMPERATURE 200 °F - 93.3 °C TEMP. DROP 20 °F - 11.1 °C				PRESSURE DROP	
	R.P.M.	MOTOR QTY	FAN QTY	VOLTAGE	H.P.	WATT	AMP.	CFM	L/SEC.	OUTLET TEMP.		MBH	KW	USGPM	L/SEC.	FEET WATER	KPA
										°F	°C						
LF-175	1100	2	2	120/1/60	2x 1/15	2x 42	2x 0.8	175	82.5	109	43.7	8.3	2.43	0.83	0.05	0.29	2.00
LF-250	1500	2	2	120/1/60	2x 1/15	2x 42	2x 0.8	250	118.0	101	38.3	9.8	2.87	0.98	0.06	0.35	2.42
LF-350	1100	4	4	120/1/60	4 x 1/15	4 x 42	4x 0.8	350	165.0	109	43.7	16.6	4.86	1.66	0.10	1.60	11.00
LF-500	1500	4	4	120/1/60	4 x 1/15	4 x 42	4x 0.8	500	236.0	101	38.3	19.6	5.74	1.96	0.12	1.98	13.65

CAPACITY

Capacity of Low-Flow units are given on Table 1 at 200°F water inlet temperature, 20°F temperature drop and 65°F entering air temperature. For capacity at different entering water or air temperature conditions, use following formula.

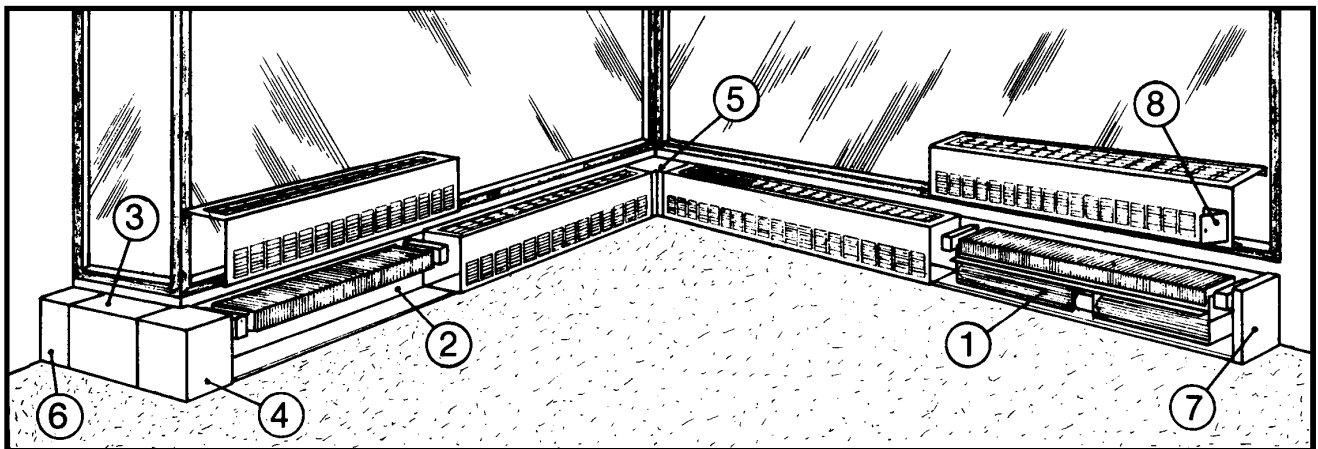
$$\text{New capacity BTUH} = \frac{\text{New water } ^\circ\text{F} - \text{new air } ^\circ\text{F}}{135} \times \text{capacity show in table BTUH}$$

BASEBOARD APPLICATION

Low flow unit can also be used as baseboard heater without motor-blower assembly. See Table 2 for capacity.

TABLE 2

STEAM		AIR INLET EMP. 65 °F - 18.3 °C		CAPACITY AT AVERAGE WATER TEMPERATURE							
1 PSI	6.9 KPA	WATER FLOW RATE		200 °F	93.3 °C	190 °F	87.8 °C	180 °F	82.2 °C	170 °F	76.7 °C
BTU/HR. FT.	WATT/M.	USGPM	L/SEC.	BTU/HR. FT.	WATT/M.	BTU/HR. FT.	WATT/M.	BTU/HR. FT.	WATT/M.	BTU/HR. FT.	WATT/M.
1070	1028	1	0.063	920	884	835	803	738	709	653	628
1128	1083	4	0.253	970	932	880	846	778	748	688	661



- 1 - LOW-FLOW
c/w MOTOR & FAN
- 2 - LOW-FLOW
WITHOUT MOTOR & FAN
- 3 - DUMMY CABINET
- 4 - OUTSIDE CORNER
- 5 - INSIDE CORNER
- 6 - JOINER PIECE
- 7 - END PIECE
- 8 - CABINET c/w
ACCESS DOOR



PRODUITS

MECAR METAL INC.

**1560, rue Marie-Victorin
Saint-Bruno (Québec)**

J3V 6B9

Tel : (450) 653-1002

Fax : (450) 653-3464

[Http://www.rosemex.com](http://www.rosemex.com)