

## FES Series Product Features & Information



**THE ELECTRIC ALTERNATIVE TO PROPANE AND KEROSENE SPACE HEATERS**

**WARNING:** This product can expose you to chemicals including nickel which is known to the State of California to cause cancer, and chromium, which is known to the State of California to cause birth defects and/or reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



AVERAGE MINUTES TO ACHIEVE TEMPERATURE RISE*						
BUILDING SIZE:	1000 SQ. FEET		1500 SQ. FEET		2000 SQ. FEET	
	TEMP RISE		TEMP RISE		TEMP RISE	
HEATER:	20 °F	40 °F	20 °F	40 °F	20 °F	40 °F
9/ 10 KW	70 min	140 min	105 min	210 min	---	---
15 KW	47 min	94 min	71 min	142 min	94 min	188 min
30 KW	23 min	46 min	35 min	70 min	47 min	94 min
45 KW	10 min	30 min	20 min	35 min	35 min	40 min

\* Based on a 15' ceiling height - lower ceiling height will reduce time required

- Safety yellow heater enclosure with safety screens on both air intake and output openings.
- Optional 25' long SO type cord, ready for plug attachment is available for each model.
- Long-life finned tubular heating elements.
- Thermostat adjustment 40° to 100° F.
- Magnetic contactor.
- High-limit thermal cutout switch. / Automatic reset.
- Fan only operation.
- 10" wheels.
- 800 CFM: 9, 10, & 15KW units - 1100 CFM-30KW units.
- Made in U.S.A.

### Standard FES Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	KW	BTUs	VOLTS	PH	AMPS	TEMP RISE	SO TYPE*	WT. (LBS)	LIST	OPTIONAL 25' POWER CORD*			
											MFG CATALOG NUMBER	MFG MODEL NUMBER	AMP RATING	LIST
08860110	FES-1520-3A	15	51195	208	3	42	45°F	6/4	65	1900				
08860710	FES-1524-1A	15	51195	240	1	63	45°F	4/4	69					
08860210	FES-1524-3E	15	51195	240	3	36	45°F	6/4	65		03164001	SO 6/4	45	356
08860310	FES-1548-3E	15	51195	480	3	18	45°F	12/4	65		08805300	SO 4/3	70	309
08860410	FES-1560-3A	15	51195	600	3	15	45°F	12/4	65		03164201	SO 12/4	20	172
08860510	FES-3048-3A	30	102390	480	3	36	45°F	6/4	83	2996				
08860610	FES-3060-3A	30	102390	600	3	29	45°F	6/4	65	3146				

9 & 10 KW, 240V, 1Phase factory pre-wired model with 10 ft. cable & straight blade range plug. \*Plug not included.

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### Corded FES Models

MFG CATALOG NUMBER	MFG MODEL NUMBER	KW	BTUs	VOLTS	PHASE	AMPS	TEMP RISE	WT. (LBS)	LIST
08744302	FES-0924-1C	9	30717	240	1	38	25°F	55	1809
08860010	FES-1024-1CA	10	34130	240	1	42	30°F	60	1809

### 45 Kilowatt FES Model

OPTIONAL 25' POWER CORD*		
MFG CATALOG NUMBER	MFG MODEL NUMBER	LIST
03164301	SO 4/4	362
03164001	SO 6/4	356

- Safety yellow heater enclosure with safety screens on both air intake and output openings.
- Optional 25' long SO type cord, ready for plug attachment is available for each model.
- Long-life finned tubular heating elements.
- Thermostat adjustment 40° to 110° F.
- Two 10" rear wheels and a front locking caster.
- High-limit thermal cutout switch with manual reset.



MFG CATALOG NUMBER	MFG MODEL NUMBER	KW	BTUs	VOLTS	PH	AMPS	TEMP RISE	SO TYPE*	WT. (LBS)	LIST
08722202	FES-4548-3	45	153585	480	3	54.2	70°F	4/4	125	4953
04874002	FES-4560-3	45	153585	600	3	44	70°F	6/4	125	5206

- 2200 CFM
- Fan only operation feature
- Made in U.S.A.

\*Plug not included.

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