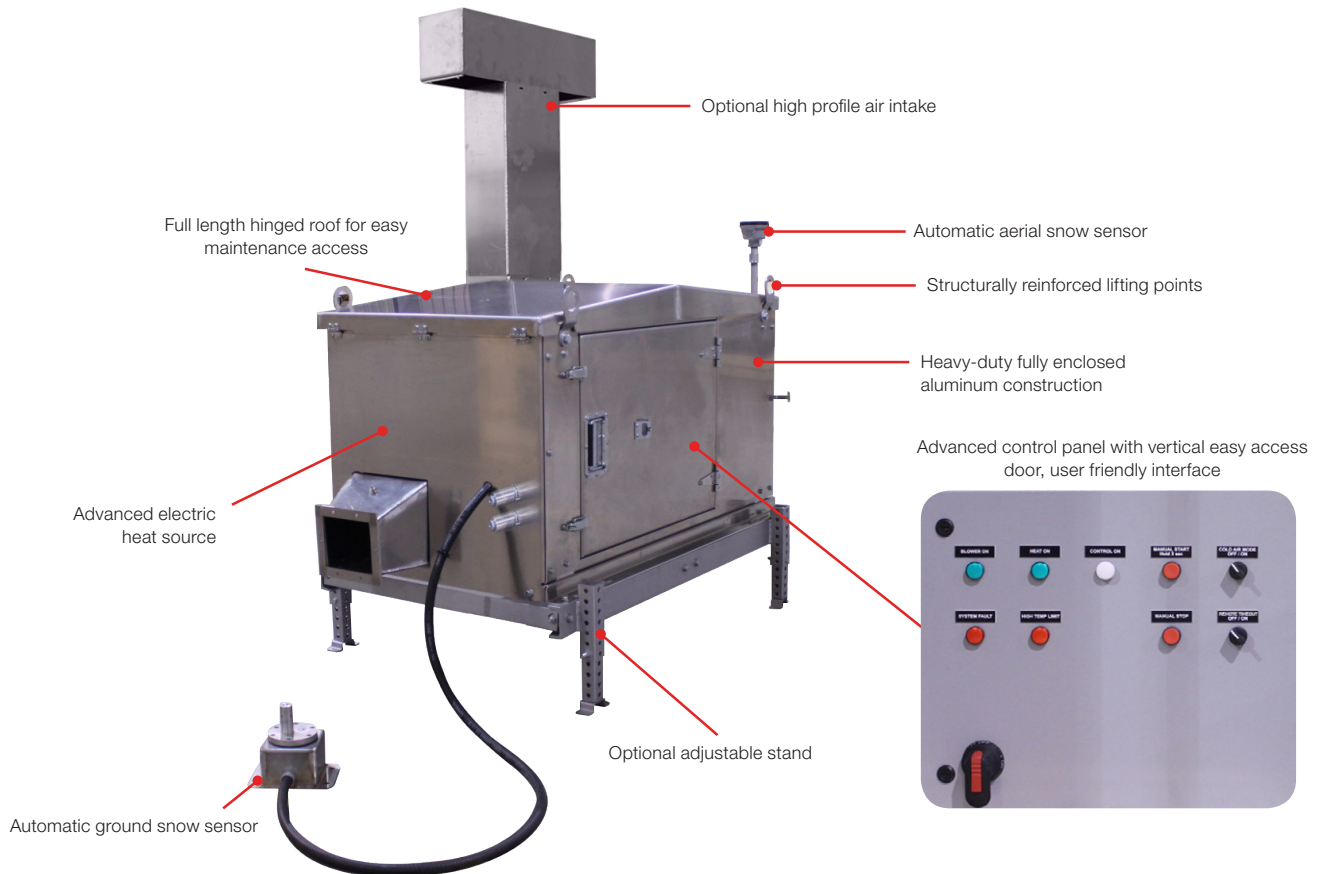


# Electric Hot Air Blowers

The Fastrax™ FEB Electric Hot Air Blower switch heater prevents or removes ice and snow build up in the switch point area by delivering high velocity heated air to nozzles located at the switch point.

The Fastrax™ FEB is assembled in a heavy-duty fully enclosed housing with easily accessible internal components. These components include a high velocity blower, rugged heating module and advanced electronic controls. The Fastrax™ FEB comes standard with Fastrax™ FEDP Duct Package and Fastrax™ automatic aerial and ground snow sensing equipment.



## Model Coding

FEB	-	20	208	1	-	L	A	01
Model Series		Kilowatts	AC Voltage	Phase		Profile	Enclosure Material	Special Construction
FEB – Fastrax® Electric Hot Air Blower		20, 40, 60	208, 240, 480, 600	1 3		L – Standard H – High	A – Aluminum (Standard) S – Stainless Steel	(if required)
			DC Voltage*	DC				
			600, 750					

Reminder: This nomenclature illustration is intended to explain how a product part number is derived. Not all voltage and/or wattage combinations are available.  
\* Please contact factory for more information.

## Features

- Standard 20 kW, 40 kW and 60 kW units
- Custom configurations and wattages to suit any track heating application
- Fully enclosed all aluminum construction
- Ground and aerial snow sensors for automatic operation
- Rugged industrial modular electric heater design
- Automated fan shutdown delay for overheat protection
- Multi-stage energy saving operation (independent hot/cold operation)
- NEMA 4 electric enclosure for moisture protection in outdoor applications
- Automatic primary and manual secondary temperature protection
- Available in AC or DC voltages
- Easy installation and maintenance
- Quiet operation, noise levels are below 80 dB (lower than AREMA standard)
- Optional remote operation with user selectable timeout function
- Optional low or high profile air intakes, custom heights available
- Advanced electronic controls
  - User-friendly control system
  - Programmable smart relay
  - Manual override button
  - Fault light

## Optional Hybrid System Integral control for Fastrax™ SwitchBlade® and/or Crib Heaters

- Two standard systems:
  - 240V, 2 ph, 20 kW FEB: two 1.35 kW Fastrax™ Crib Heaters, and two 4.6 kW Fastrax™ SwitchBlade® Heaters
  - 480V, 3 ph, 20 kW or 40 kW FEB: three 1.35 kW Crib Heaters, and two 7.6 kW Fastrax™ SwitchBlade® Heaters

## Fastrax™ FEB Selection Guide and Electrical Data

Heater Wattage (kW)	Model (60 Hz)	Voltage	Phase	Full Load Amps	Air Temp. Rise	
					°F	°C
20	FEB-202081	208	1	117	117	65
	FEB-202083	208	3	69		
	FEB-202401	240	1	102		
	FEB-202403	240	3	60		
	FEB-204801	480	1	51		
	FEB-204803	480	3	30		
	FEB-206003	600	3	24		
40	FEB-404803	480	3	57	121	67
	FEB-406003	600	3	45		
60	FEB-604803	480	3	81	131	73
	FEB-606003	600	3	65		

## Fastrax™ FEB Specifications

Heater Wattage (kW)		20	40	60
Nozzle Velocity	mph	>200		
	km/hr	>320		
Horizontal Throw	ft	>75		
	m	>23		
Motor Power	HP	3	7.5	7.5
	kW	2.2	5.6	5.6
Motor Speed	RPM	3450		
Net Weight*	lbs	432	565	599
	kg	196	256	272
Shipping Weight*	lbs	610	760	799
	kg	277	345	362

\*Standard unit construction.



Figure 18 – FEB-204803