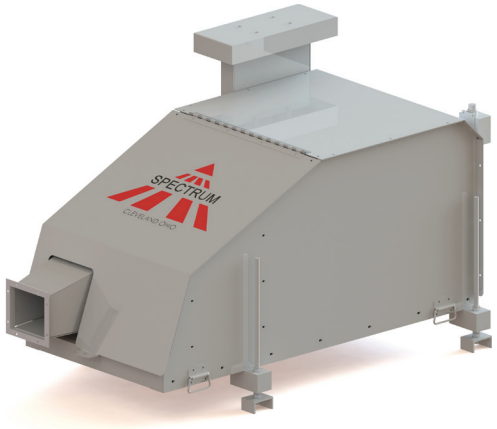
SPECTRUM RRSH
TRACK SWITCH HOT AIR BLOWER

QUALITY | RELIABILITY | LIFE CYCLE ECONOMICS

50 YEARS OF PROVEN TECHNOLOGY.
CLASS 1 & 2 INSTALLATIONS THROUGHOUT NORTH AMERICA.
LOW ENERGY USE–NEAR ZERO MAINTENANCE.

RRSH Hot/Cold Air Blower

The Spectrum RRSH Electric Hot/Cold Air Blower is ideal for ice and snow removal. This low profile heater is built of aluminum construction and is easily installed next to the track. The heated air flow is directed through a duct system to produce air blowing directly to the switch points to ensure proper operation of the moving parts on the track.



Pictured: Spectrum hot air blower shown with snorkel and mounting feet.

RRSH 3HP 19.5kW
3HP Direct Blower/Motor
66,537 BTU
recommended for yard switches
(typically #6, #8, #9, #10, #11)
750 CFM (rated)

RRSH 5HP 45kW
5HP Direct Blower/Motor
153,546 BTU
recommended for mainline switches
(typically #14, #15, #20, #24)
1476 CFM (rated)

Automatic Operation

The Spectrum Snow Detection System allows for automatic operation of the RRSH Hot/Cold Air Blower. Temperature and precipitation can both be used to trigger the operation of the blower. Settings are adjustable.

Standard Features On All RRSH Hot/Cold Air Blowers

All Electric– Available in 240, 480 and 600* AC Voltages.
Integral control for rail heaters and/or crib heaters up to 100 amps (240/480V) and up to 60 amps (600V) at 100% duty cycle.
3-Stage Energy Management System.
Operates Remotely, Manually or Automatically with Snow Detection System.
Independent Hot/Cold Operation.
Electrically Isolated Main Duct with High Velocity Nozzle Outlets and with rodent screens.
Stagger Start System– Delays the start-up time of the optional rail heaters and crib heaters to reduce initial electrical inrush.

**This voltage does not operate as a cold air blower, but only on high and low heat.*

SPECTRUM, INC.
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RRSH Optional Equipment

The RRSH design readily lends itself to optional design features and can easily accommodate additional functionality based on customer needs.

- **Track Level Snow Detector–** Snow/precipitation sensor for remote mounting provides added reliability and energy management, 8ft. lead included.
- **Main Circuit Breaker–** Offers additional protection between main feed panel and blower and improves safety during maintenance when controlling rods and cribs.
- **Center Duct–** 12-foot long duct for installation and heat distribution between the rails.
- **Intake Snorkel–** Helps prevent blower from pulling in rain/snow during operation and prolongs the life of the blower motor.
- **Mounting legs–** Offer 2ft. of adjustment to level the blower.
- **Indicator Light–** White indicator light to signify when the blower is on or off.
- **Flexible Duct Extension–** Stainless steel extensions at varying lengths with a high temperature silicone packing reduces installation time.
- **Flexible Nozzles–** Stainless steel at varying lengths with a high temperature silicone packing allows you to direct the air flow.

RRSH Hot/Cold Air Blower Selection Guide

Part Number	HP	V	PH	kW	BTU/Hr	Low Power Heating Element Amperage Draw	High Power Heating Element Amperage Draw	Motor Amp Draw	Total Amp Draw
RRSH321	3	240	1	19.5	66536.77	40.63	81.25	13.50	94.75
RRSH323	3	240	3	19.5	66536.77	23.45	46.91	8.10	55.01
RRSH341	3	480	1	19.5	66536.77	20.31	40.63	6.75	47.38
RRSH343	3	480	3	19.5	66536.77	11.73	23.45	2.70	26.15
RRSH363	3	600*	3	19.5	66536.77	9.38	18.76	2.90	21.66
RRSH521	5	240	1	45	153546.39	93.75	187.50	21.00	208.50
RRSH523	5	240	3	45	153546.39	54.13	108.25	11.80	120.05
RRSH541	5	480	1	45	153546.39	46.88	93.75	11.80	104.25
RRSH543	5	480	3	45	153546.39	27.06	54.13	10.50	60.03
RRSH563	5	600*	3	45	153546.39	21.65	43.30	4.72	48.02

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Note: Selection Guide's Total Amp Draw is the blower unit only and does not include amperage draw for rail heaters or crib heaters. For continuous load calculations, multiply main feed amperage by 1.25.

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