

SPECTRUM RRSH TRACK SWITCH HOT AIR BLOWER

QUALITY | RELIABILITY | AVAILABILITY



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.

RRSHA 3HP 19.5kW

- 3HP Direct Blower/Motor 66,537 BTU
- Recommended for yard switches
- (typically #6, #8, #9, #10, #11)
- 750 CFM (rated)*

RRSHA 5HP 45kW

- 5HP Direct Blower/Motor 153,546 BTU
- Recommended for mainline switches
- (typically, #14, #15, #20, #24)
- 1476 CFM (rated)*

RRSHB 5HP 65kW

- 5HP Direct Blower/Motor 221,788 BTU
- Recommended for mainline switches, with excessive snow and / or extremely cold regions
- Delivers 50% more CFM than previous model (5 HP, 45kW), while maintaining the same heat levels.
- (typically #14, #15, #20, #24)
- 2200CFM (rated)*

*As shown

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

- Main Housing Unit, all Electric– Available in 240, 480 and 600 AC Voltages.
- 600V heater only available as 3phase.
- Includes Electrically Isolated Flexible Duct and Track Duct with High Velocity Directional Nozzle Outlets and with rodent screens (not shown)
- 3-Stage Energy Management System.
- Operates Remotely, Manually or Automatically with Snow/ Precipitation detection System.
- Independent Hot/Cold Operation.



Pictured: Spectrum main housing unit hot air blower shown with optional snorkel and mounting feet.



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RRSH Factory Options Built-On

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

- Center Duct– (Model Suffix "C") A modified Track Duct Assembly which includes a 12-foot long Center Duct to also include heat distribution between the rails.
- Mounting Legs–(Model Suffix "M") An extension leg assembly at each corner which offers 18 inches of adjustment to allow for stable and level footing of the blower.
- Accessory Electrical Circuit (Model Suffix "R") An additional switch is included and used to energize one external electrical circuit such as a circuit for Rod/Crib Heaters.
- Indicator Light, Heater Fault – (Model Suffix "P1") A white light to signify that one or more circuit breakers or ground fault conditions have occurred which have disabled operation.
- Indicator Light, Heater On – (Model Suffix "P2") A white light to signify that heater operation is requested.

RRSH Additional Features - Contact Factory for Application Assistance

- Track Level Snow Detector– Snow/precipitation sensor for remote mounting
- Duct Extensions – If the main housing must be installed at a greater distance or elevation from track rails.
- Additional Rod Crib Circuits, Wiring Box and Wiring Post
- Main Circuit Breaker–Additional protection between main feed panel and blower.
- Intake Snorkle - Main housing provided with mounting provisions so snorkle can be installed by end user

RRSH Hot/Cold Air Blower Selection Guide

Model Series RRSHA3

Part Number	HP	V	PH	Element Part Number	Watts per Element	Number of Elements	kW	BTU / Hr	Total Amp Draw (1)	Measured Resistance Per Elem Cir. +/-10%
RRSHA32401	3	240	1	SHP240W1625	1625	12	19.5	66536	96	5.9
RRSHA32403			3						56	11.8
RRSHA34801		480	1	SHP240W1625 (3)					48	23.6
RRSHA34803			3						28	47.3
RRSHA36003		600	3	SHP600W1625					23	73.9



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RRSH Hot/Cold Air Blower Selection Guide

Model Series RRSHA5

Part Number (2)	HP	V	PH	Element Part Number	Watts per Element	Number of Elements	kW	BTU / Hr	Total Amp Draw (1)	Measured Resistance Per Elem Cir. +/-10%
RRSHA52401	5	240	1	SHP240W2500	2500	18	45	153546	210	2.6
RRSHA52403			3						122	5.1
RRSHA54801		480	1	SHP480W2500					107	10.2
RRSHA54803			3						61	20.5
RRSHA56003		600	3	SHP600W2500					49	32.0

Model Series RRSHB5

Part Number (2)	HP	V	PH	Element Part Number	Watts per Element	Number of Elements	kW	BTU / Hr	Total Amp Draw (1)	Measured Resistance Per Elem Cir. +/-10%
RRSHB52403	5	240	3	373608	5416.5	12	65	221788	163	3.5
RRSHB54801			480	1	373609	10833			6	141
RRSHB54803		3		373610	84					14.2
RRSHB56003		600	3	373611	69					22.2

- (1) Total Amps at incoming wiring connections. If a rod/crib circuit is included then additional amperage applies.
- (2) Part Number includes Base Unit, Flex Duct and Track Duct and may include additional suffixes that indicate various options as described below.
- (3) Elements Connected Series-Delta

Note: For continuous load calculations, multiple main feed amperage by 1.25

RRSH Part Number Decoder

RRSH	MOTOR HP		SYSTEM VOLTAGE		PHASE		Optional Suffix (see below)
	H		V		P		
A3	3 HP, 19.5KW	240	240VAC	1	1 Phase		
A5	5 HP, 45KW	480	480VAC	3	3 Phase		
B5	5 HP, 65KW	600	600VAC				

SUFFIX

- C Center Duct Type Assembly 12Ft length is included instead of Standard Track Duct
- M Mounting legs included for Blower height adjustment
- P1 external pilot light included - General Fault Alarm (White)
- P2 external pilot light included - Power On (White)
- R Additional Circuit for Rod/Crib (1 circuit, 50A max load for 240V or 48A max load for 480V, and 600V)

If options are not included then hyphen and optional suffix are not included in the final part number.

EXAMPLE: RRSHA54803-CMP2R or RRSHB54803-CMP2R



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