



RUSH SM 850

The highly anticipated replacement of the Magnum 850, the RUSH SM 850, is one of several products in a brand new line of atmospheric effects from RUSH by Martin. The RUSH SM 850's clean industrial design is complemented by market-leading features including a 4-channel wireless remote control system and a blue LED-illuminated fluid container with a rear-view level indicator and a carrying handle for easy transportation. An ideal companion for mobile DJs and bands and effective in small nightclubs that require high output at an attractive price point.

GALLERY



850 W heater element

200 m3 per minute output

8-minute heat-up time

FEATURES

- 850 W heater element
- 200 m3 per minute output
- 8-minute heat-up time
- 1.6-liter fluid capacity
- Blue LED-illuminated fluid container with level indicator
- Rugged carrying handle
- Steel housing
- 4-channel wireless and wired remote control
- Handheld remote control

TECHNICAL SPECIFICATIONS

Physical

Length: 411 mm (16.2 in.)

Width: 294 mm (11.6 in.)

Height with hanging bracket: 309 mm (12.2 in.)

Dry weight: 7.3 kg (16.1 lbs.)

Filled weight: 8.9 kg (19.7 lbs.)

Performance

Coverage volume: 200 m3 (7062 ft3) per minute

Fluid consumption (max.): 60 ml per minute

Maximum operating time at full output: 45 seconds

Ready time: 8 minutes

Control

Control options: Hard-wired remote control or 4-channel wireless remote control (both included)

Control parameters: On/off operation

Construction

Housing: Steel and aluminum

Color: Black

Heat exchanger: 850 W, thermally protected

Fluid pump: Oscillating piston, high pressure

Fluid management: Fluid out sensing, LED illuminated sight glass

Fluid reservoir: 1.6 liter, removable

Hanging bracket: Integrated adjustable yoke and safety eyebolt

Wired remote control unit (included): 4.5 m (15 ft.) cable

Wireless remote control unit (included): 4-channel, 30 m (100 ft.) range

Installation

Mounting: Standing or hanging

Orientation: Up to +/- 45° from horizontal

Clearance around machine: 500 mm (20 in.)

Connections

AC power: IEC male inlet, C14

Wired remote: DIN 41524, 5-pin, 45°, 180° inlet

Wireless remote receiver: DIN 41524, 5-pin, 45°, 180° inlet

Electrical

EU model

AC power: 220-240 V nominal, 50/60 Hz

Main fuse: 5 AT (slow blow), 250 V

Typical power and current at 240 V: 950 W, 3.8 A*

US model

AC power: 100-120 V nominal, 50/60 Hz

Main fuse: 10 AT (slow blow), 125 V

Typical power and current at 100 V: 950 W, 9.0 A*

Typical power and current at 120 V: 900 W, 7.5 A*

*Measurements made at nominal voltage. Allow for a deviation of +/- 10%.

Thermal

Maximum ambient temperature (Ta max.): 40° C (104° F)

Minimum ambient temperature (Ta min.): 5° C (41° F)

Exterior surface temperature, steady state: 50° C (122° F)

Maximum nozzle temperature: 300° C (572° F)

Approvals

EU model

EU safety: EN 60355-1, EN 62233, EN 62479

EU EMC: EN 61000-3-2, EN 61000-3-3, EN 61000-6-1, EN 61000-6-3

EU RTTE (wireless remote): EN 60950-1, EN 300220-1, EN 300220-2, EN 301489-1, EN 301489-3

Australia/NZ (pending): RCM

US model

US safety: UL 499

US EMC: CFR Title 47 Part 15 Class A

US EMC (wireless remote): FCC ID 2AEYKSMWIRELESS

Canadian safety: CSA C22.2 No. 64

Included Items

Fluid reservoir, 1.6 l

Power input cable, EU, 10 A, IEC C13 female, stripped ends, 1.5 m (4.9 ft.)

Power input cable, US, 10 A, IEC C13 female, molded NEMA 5-15P, 1.5 m (4.9 ft.)

Wired remote control with 4.5 m (15 ft.) cable: P/N 50480855

Wireless transmitter, 4-channel: P/N 50480853

Wireless receiver: P/N 50480854

Accessories

Approved fluids

RUSH™ ELX Smoke Fluid™

JEM™ Pro Clean Supreme™

Various sizes available - contact your dealer or see 'Fluids' product pages for details

Installation hardware

Half-coupler clamp: P/N 91602005

G-clamp (vertical hanging suspension only): P/N 91602003

Quick-trigger clamp (vertical hanging suspension only): P/N 91602007

Ordering Information

RUSH™ SM 850 EU: P/N 90480100

RUSH™ SM 850 US: P/N 90480105

