



# JEM ZR44 Hi-Mass

The Jem ZR44 Hi-Mass™ is a reliable and highly efficient fogger capable of precise fog delivery from subtle to massive. Ideal for a variety of settings from small venues to huge stadiums and arenas, it features advanced technology for top-quality performance, as well as advances in digital functionality such as RDM compatibility.

## FEATURES

- 3 & 5 pin DMX interface
- Prepared for multifunctional digital remote
- RDM capable
- Floor standing or truss mounting
- Neutrik PowerCon connector
- 1200 m<sup>3</sup>/min fog output
- Continuous output
- Tough and solid design
- 1800 W heat exchanger
- 7.5 min heat-up time
- Indirect Fluid Sensing System
- Proprietary Pro Steam Simulation fluid solution
- Different fluid options for different applications
- Leaves no oil residue on light fixtures
- Soft Start technology

## TECHNICAL SPECIFICATIONS

### Physical

Length: 685 mm (27.0 in.)  
Length (including optional drip tray): 750 mm (29.6 in.)  
Width: 345 mm (13.6 in.)  
Height: 225 mm (8.9 in.)  
Dry weight: 19.0 kg (41.9 lbs.)

### Performance

Max. fog output (approx.): 1200 m<sup>3</sup> per minute  
Max. operating time at const. full output (approx.) - 9.5L: 3.5 Hours  
Operating time: Continuous, automatic level adjustment  
Warm-up time (approx.): 7.5 minutes

### Control and Programming

Control options: Onboard analogue remote control (Supplied), Multi-Function digital remote control (Optional), DMX (3 and 5 pin), 0-10V analog, RDM capable  
Remote control features: Instant or timer-controlled variable output  
Delay time 2-144 seconds, run time 2-144 seconds  
DMX channels: 1  
RDM Capable via DMX socket  
Digital link machine to machine (Using optional Digital Multi-Function remote)

### Construction

Housing: Steel & aluminum  
Heat exchanger: 1800 W, direct thermal protection

### Fluid System

Fluid pump: Oscillating piston, high pressure X2  
Onboard fluid capacity: 9.5 l  
Fluid consumption at peak output: 150 ml per minute  
*Indirect fluid sensing system for unattended operation:*

### Installation

Orientation: Floor or adjustable mounting bracket

Connections

Remote control: 2 x 3-pin locking XLR

DMX and RDM data in/out: 2 x 3-pin and 2 x 5-pin locking XLR

Power cable entry: Neutrik PowerCon

Electrical

AC power (EU models): 220-240 V nominal, 50 Hz

AC power (US models): 110-120 V nominal, 60 Hz

Main fuse (220-240 V power): 10 A

Main fuse (110-120 V power): 20 A

Typical Power and Current

US model:

120 V, 60 Hz: 1750 W, 14.58 A

EU model:

230 V, 50 Hz: 1890 W, 8.21 A

*Measurements made at nominal voltage. Allow for a deviation of +/- 10%.:  
50/60Hz operation on either voltage:*

Thermal

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

Exterior surface temperature, steady state: 50° C

Max. nozzle temperature: 200° C

Approvals

EU EMC: EN 6100-6-3:2001 - Part 6-3

EU safety: EN 60 335-1:2002

Immunity: EN 61000-6-1:2001 - Part 6-1

ETL approvals (cETLus): UL Std.998, CAN/CSA Std. C22.2 No 104-01

Included Items

User manual

Analogue remote control

Container 9.5 l: P/N 34300528

Power cable: Powercon

Accessories

Pro Smoke Studio (DX Mix) fluid

Pro Smoke Super (ZR Mix) fluid

Pro Smoke High Density (SP Mix) fluid

Pro Steam Simulation (AA) fluid

I-fog fluid

Regular DJ (DJ mix) fluid

Digital Multi-function Remote Control: P/N 92765037

Ducting Kit incl. adapter and 5 m of 4-inch (104 mm) ducting: P/N 92625005

Drip Tray Kit: P/N 92620011

Ordering Information

JEM ZR44 Hi-Mass, 110V: P/N 92215310

JEM ZR44 Hi-Mass, 240V: P/N 92215300



A C C E S S O R I E S



5m 4 Duct Kit,  
ZR33/ZR44  
P/N: 92625005



Drip Tray, JEM  
ZR44 Hi-Mass  
P/N: 92620011



Remote, digital,  
ZR44  
P/N: 92765037



Remote, standard,  
ZR44  
P/N: 92765038