



JEM ZR45

The JEM™ ZR45 is a high-end fog machine designed to deliver superior and uninterrupted performance in demanding professional applications. Via its enhanced and powerful 2,000 W heat exchanger, the JEM ZR45 produces an exceptional peak output ideal for major venues and stages in both install and rental markets.

The rugged yet weight-optimized JEM ZR45 also features variable output control for more subtle effects and is fully up-to-date with digital remote, DMX and RDM.

The entire JEM ZR range is compatible with a wide range of JEM Pro fog fluids. As machines designed and built to last, the JEM ZRs will continue to perform with great output and low consumption.

GALLERY



High endurance high-end fog machine

Exceptional performance and output

Various control options via digital remote, DMX and RDM

FEATURES

- 2,000 W (EU model) / 1,800 W (US model) heat exchanger
- 80 ml in 30 seconds peak performance
- 1300 m³/min fog output
- Variable output control for subtle effects
- 9-10 minute warm-up time
- Digital remote, DMX and RDM
- Compatible with a wide range of JEM Pro fog fluids
- Floor standing or truss mounting (bracket included)
- PowerCON TRUE1
- 5-liter bottle

TECHNICAL SPECIFICATIONS

Physical

Length: 602 mm (23.1 in.)

Width: 395 mm (15.6 in.)

Height: 306 mm (12.1 in.)

Height including hanging bracket: 393 mm (15.5 in.)

Dry weight: 17.7 kg (39.1 lb.)

Performance

Max. fog output (approx.): 1300 m³ per minute

Operating time: Continuous

Max. operating time at full output with 5 l fluid: 70 minutes (approx.)

Warm-up time: 10 minutes (approx.)

Control and Programming

Control options: Remote control (supplied), DMX, onboard control panel

Output control: Instant or timer-controlled variable output

DMX channels: 1

DMX compliance: USITT DMX512/1990

Construction

Housing: Steel & aluminum

Fluid System

Fluid pump: Oscillating piston, high pressure
Onboard fluid capacity: 5 liters
Fluid consumption at peak output: 160 ml per minute

Installation

: Floor or integral hanging bracket

Connections

Power: Neutrik powerCON TRUE1
Remote control: 3-pin locking XLR
DMX data: 5-pin locking XLR

Electrical

EU model:

AC power: 220-240 V nominal, 50 Hz
Main fuse: 12.5 AT (slow blow), 250 V
Typical power and current: 2100 W, 9.2 A*

US Model:

AC power: 110-120 V nominal, 60 Hz
Main fuse: 20 AT (slow blow), 125 V
Typical power and current: 1800 W, 15.0 A*

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

Thermal

Maximum ambient temperature (Ta max.): 40° C (104° F)
Exterior surface temperature, steady state at 20° C ambient: 30° C (86° F)
Max. nozzle temperature: 290° C (554° F)
Peak heat dissipation (calculated, +/- 10% at 110 V, 60 Hz / 230 V, 50 Hz): 7170 BTU/hr.

Approvals

EU safety: EN 60335-1
EU EMC: EN 61000-6-3
EU immunity: EN 61000-6-1, EN 62233 Electromagnetic fields
US safety (pending): UL 998
Canadian safety (pending): CSA C.22.2 No. 104
Calibration factors have been approved by the Actors' Equity Association and the Broadway League for use in measuring atmospheric effects created with this product.

Included Items

: Fluid container, 5 l
: Digital remote control, JEM ZR series
: User manual
Mains Lead, EU, PowerCON TRUE1, 3 m (9.8 ft.): P/N 11501043
Mains Lead, US, 20A, PowerCON TRUE1, 2 m (6.6 ft.): P/N 11501046

Accessories

Analog Remote Control, JEM® ZR series: P/N 92765044
Ducting System, JEM® ZR45: P/N 92625014

Compatible fluids:

: Pro Smoke High Density*
: Pro Smoke Super (ZR Mix)*
: Pro Smoke Studio (DX Mix)*
: Pro Steam Simulation (AA)*

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

Ordering Information

JEM® ZR45 US Model: P/N 92215370
JEM® ZR45 EU Model: P/N 92215360

