



# Jem ZR33 Hi-Mass

The ZR33 Hi-Mass is a powerful and instant atmosphere generator for large clubs, stage productions, rental companies and industrial applications.

## FEATURES

- Onboard DMX
- On-board control panel
- Removable panel for remote control
- Multifunctional remote control
- Floor standing or truss mounting
- Continuous output
- 1000 m<sup>3</sup>/min fog output
- 1500 W heat exchanger
- 8 min heat-up time
- 9.5 liter fluid capacity
- Different fluid options for different applications
- Low fluid sensing

## TECHNICAL SPECIFICATIONS

### Physical

Length: 685 mm  
Width: 345 mm  
Height: 225 mm  
Dry weight: 19 kg

### Performance

Max. fog output (approx.): 1000 m<sup>3</sup> per minute  
Max. operating time at full output (approx.): 180 minutes  
Operating time: Continuous, automatic level adjustment  
Warm-up time (approx.): 8 minutes

### Control and Programming

Control options: Remote control (supplied), DMX, 0-10 V analog  
Remote control features: Instant or timer-controlled variable output

Delay 2-144 seconds, run time 2-144 seconds:

DMX channels: 1  
Protocol: USITT DMX512/1990

### Construction

Housing: Steel & aluminum  
Heat exchanger: 1500 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

### Installation

Orientation: Floor or flying kit

### Connections

Remote control: 3-pin locking XLR  
DMX data: 3-pin locking XLR  
0-10 V analog: 3-pin locking XLR  
Power cable entry: Hard-wired

### 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:

110 V, 60 Hz: 1570 W, 14.27 A

115 V, 60 Hz: 1716 W, 14.92 A

120 V, 60 Hz: 1868 W, 15.56 A

##### EU model:

220 V, 50 Hz: 1319 W, 4.08 A

230 V, 50 Hz: 1442 W, 6.26 A

240 V, 50 Hz: 1570 W, 7.13 A

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

##### Thermal

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

Exterior surface temperature, steady state: 50° C

Max. nozzle temperature: 200° C

##### Approvals

EU safety: EN 50 081-1, EN 50 082-1

EU safety: EN 60 335-1 (1995)

##### Included Items

User manual: 35010008

Remote control: 92765016

Container 9.5 l: 34300528

##### Accessories

Pro Smoke Studio (DX Mix) fluid:

Pro Smoke Super (ZR Mix) fluid:

Pro Smoke High Density (SP Mix) fluid:

I-fog fluid:

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

DMX termination plug, 3-pin male XLR: 91613017

##### Ordering Information

JEM ZR33 Hi-Mass, 110 V: 92215201

JEM ZR33 Hi-Mass, 240V: 92215200

