

## Jem Roadie X-Stream SPECIFICATIONS

### Heater size

- 5000w

### Fuse rating

- 10 Amps per heater @ 208-240v
- On-board 25 Amp breakers

### Operation time

- Continuous

### Controller supplied

- On- board Independent smoke and fan control with timers and count down readouts.
- 4x fast access buttons for Haze and Smoke output and Fan override.

### DMX input

- On-board 2 channels required for variable fog output and fan speed.

### Analog link

- N/A

### Recommended fluid

- Pro Smoke Studio (DX Mix)
- Pro Smoke Super (ZR Mix)
- Pro Smoke Super (Fragranced)
- Pro Smoke High Density (SP Mix)

### Fluid level sensing

- Standard

### Smoke Output (max.)

- 5000 cubic metres/min
- 176.573 cubic feet/min

### Dimensions when boxed

- 1120mm x 810mm x 930mm

### Weight (with fluid)

- 184.5kg

### Installation Details

- The machine should be located in a well-ventilated area with a minimum of 200mm air space around the sides and top of the machine.
- The machine should only be used on level surfaces.
- The initial smoke output of the machine is hot, so the front of the machine should at least 1 metre from surfaces or people.
- Never leave the machine running unattended.
- Do not install above people's heads

### Flying kit

- 4x Eye bolts fixed on unit.

### Output nozzle size

- 300mm.

### Accessories

- Ducting system

### Total power consumption

- 25A @ 208-240v

### Heat up time

- 18 mins

### Over-heat protection

- Direct Thermal Protection Device

### Control Options

- Closed contact trigger

### 0-10v input

- Use remote socket Pin 1 (GND) and Pin 3 (Input)

### Fluid capacity

- 2x 9.5 litre

### Fluid consumption (max.)

- 500ml/min
- 0.13 Imp. gallon/min

### Input fluid pipe diameter

- 4x O/D 4mm

### Dimensions of Machine

- 980mm x 740mm x 760mm

### Weight (no fluid)

- 166.5kg

### Drip tray

- N/A

### Ducting kit

- TBA

### Ducting kit

- TBA

### Max length of remote cable

- 50 metres (5 metres supplied)

## Sample project specification

### ■ Description

Now Jem offers the next generation of the Roadie, The Roadie X-stream is a high powered industrial specification smoke machine for long throw smoke projection.

### ■ Soft Start Electronics

The "crack" created during the initial burst of smoke is caused by the pump pressure overcoming the incredible back pressure of the heat exchanger. Jem's unique Soft Start Electronics gradually powers the pump, eliminating this crack and ensuring a quieter and smoother operational level following initial start up.

### ■ Heat exchanger

All Jem heat exchangers are designed for high efficiency performance. Only the purest grade LM24 aluminum is used in the production process which eliminates the risk of porosity (pockets of gas within the casting which can cause heater failure). All heat exchangers contain cuprous helicoils of at least 2.8 meters in length, ensuring a continuous flow of pure, dry, white smoke.

### ■ Electronic Pump Ramping

Jem was the original pioneer of EPR, an intelligent means of warning of a drop in temperature which could result in 'wet smoke' (residue). The pumps respond to this signal by running slower and pumping less fluid, thus allowing the heaters to restore optimum operational temperature. This guarantees a continuous flow of smoke using highly efficient, lower wattage heaters.

### ■ Electronic Low Fluid Cut-off System

This technology is fitted to all machines designed for continuous operation. To eliminate the risk of running dry and burning out the pump, this unique electronic sensing system will automatically shut-off the machine, protecting all major components.

### ■ Analogue Link

Whether you've run out of DMX channels or simply want to link two smoke machines together and operate them from a single remote, Jem's analogue link facility is the solution. This feature even allows multi-machine connection, making operation a simple one-finger action.

### ■ Jem Multifunctional Remote

This reliable remote offers more than the usual auto timer and smoke level output controls. Easily engaged, the timer gives complete adjustment for both 'Fog On' and 'Fog Delay' modes. These timer functions can be expanded even further by engaging Jem's unique '8X Mode' which multiplies the selected timer setting by eight.

### ■ DMX Control

This uses a single channel of DMX 512 giving a full variable output from the machine. This important feature means that atmospheric effects can now become choreographed into the Light show or stage performance via the lighting console.

### ■ On-Board Remote System

Greatly appreciated by rental companies, this hand-held remote can be stored during transit on-board the machine, making it easy to find at show time and eliminating transit vulnerability. But storage isn't the only advantage. Portability is greatly enhanced by having on board controls.

### ■ Direct Thermal Protection Device

This small yet crucial component is the last line of defense against catastrophic failure. Other manufacturers still depend on cheap plastic whereas Jem's DTPD is made from a solid ceramic composite. This guarantees extremely precise overheat monitoring and is unaffected by ambient temperature changes.

### ■ Max Power Consumption

23A @ 220v (single phase)

### ■ Maximum Smoke Output (approx.)

5000 cubic metres/min

176,573 cubic feet/min

### ■ Fluid container

All Jem smoke, haze and heavy fog machines are designed to carry removable fluid containers of varying sizes depending on the models application. The removable container makes for quicker refills and protects the machine from damage through spillage in transit.

### ■ Maximum Fluid Consumption

500ml/min

0.13 Imp. gallon/min

### ■ Accessories

Ducting system

TBA

### ■ Included items

Jem Multifunctional remote control

2x 9.5 litre fluid container (empty)

Instructions for use manual

### ■ Recommended fluids

Pro Smoke Studio (DX Mix)

Pro Smoke Super (ZR Mix)

Pro Smoke Super (Fragranced)

Pro Smoke High Density (SP Mix)