StageHazer Specifications

Heater size	**Total power consumption**
1200w	6A @ 220-240v
	12A@ 110v
Fuse rating	**Heat up time**
10A @ 220-240v	8 mins
20A @ 110v	
Operation time	**Over-heat protection**
Continuous	Direct Thermal Protection Device
Controller supplied	**Control Options**
Analogue variable output controller	0-10v input
DMX input	**0-10v input**
On-board 1 channel used for variable output	Use remote XLR socket Pin 1 GND and Pin 3, 0-10v input. This pin needs 1.5v to heat the machine and 2-10v to run the pump when up to working temperature.
Analog link	**Fluid capacity**
N/A	9.5 litre
Recommended fluid	**Fluid consumption (max.)**
Pro Haze	33ml/min
	0.008 Imp. gallon/min
Fluid level sensing	**Input fluid pipe diameter**
N/A	O/D 4mm
Haze Output (max.)	**Dimensions of Machine**
400 cubic metres/min	700mm x 330mm x 297mm
14125 cubic feet/min	
Dimensions when boxed	**Weight (no fluid)**
810mm x 390mm x 380mm	20kg
Weight (with fluid)	**Flying kit**
30kg	N/A
Drip tray	
Optional	

Installation

The machine should be located in a well-ventilated area with a inimum 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

Ducting kit	Output nozzle size
N/A	N/A

Max length of remote cable	Accessories
50 metres (5 metres supplied)	N/A

Sample project specification

Description

The Stagehazer 11 was designed with the largest theatre stages, television studios and high capacity discotheques in mind and easily out-performs all other hazers in its class.

Heat exchanger (1200Watts)

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 (EPR) 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.

Sequential Pump System

Because haze generators generally run continuously, heavy demands are placed on the pump. Jem´s Sequential Pump System increases the life of the machine through a dedicated ´haze´ pump circuit which pulses the pump at full output thus producing the ideal output and keeping the pump cool.

Direct Thermal Protection Device (DTPD)

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

6A @ 220v

12A @ 110v

Maximum Haze Output (approx.)

400 cubic metres/min

14125 cubic feet/min

Fluid container (9.5 litre)

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 (approx.)
33ml/min
0.008 Imp. gallon/min
Accessories
N/A
Included items
Analogue remote control
9.5 litre fluid container (empty)
DMX input
Instructions for use manual
Recommended fluids
Pro haze