

# Specifications

## Hydra head

### Physical

Length:	440 mm (17.3 in.)
Width:	387 mm (15.2 in.)
Height:	166 mm (6.5 in.)
Height including mounting bracket:	415 mm (16.3 in.)
Weight:	13.8 kg (30.4 lbs)

### Performance

Operating time:	continuous
Warm-up time (EU model):	9 minutes
Warm-up time (US model):	12 minutes

### Control and programming

Control options:	Hydra base
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### Fluid system

Fluid pump:	EP5 16 bar
Fluid capacity:	n/a
Maximum fluid consumption at peak output (Pro Smoke Super):	120 ml per minute

### Installation

Orientation:	any
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### Connections

Hydra data line:	.3-pin XLR
AC power:	hard-wired cable w/o cord cap

### Electrical

AC power (EU model):	200 - 250 VAC, 50/60 Hz
AC power (US model):	100 - 130 VAC, 50/60 Hz
Main fuse (EU model):	10 A
Main fuse (US model):	15 A

### Power and current

EU model, maximum at 230 V / 50 Hz:	1500 W, 6.5 A
US model, maximum at 115 V / 60 Hz:	1200 W, 10.4 A

### Thermal

Maximum ambient temperature (Ta max.):	40° C (104° F)
Maximum nozzle temperature:	220° C (428° F)

### Approvals

European EMC:	EN 50 081-1, EN 55 014, EN 55 022 /B, EN 60 555
European safety:	EN 60 335-1
Immunity:	EN 50 082-1, IEC 801-2, IEC 801-4



### Included items

	6 mm o/d tube, 10 m
	Tee connector

### Ordering information

Jem Hydra head, 230V 50/60 Hz:	P/N 92250400
Jem Hydra head, 115V 50/60 Hz:	P/N 92250500

# Hydra base

## Physical

Length: ..... 510 mm (20.1 in.)  
Width: ..... 665 mm (26.2 in.)  
Height: ..... 1040 mm (40.9 in.)  
Dry weight: ..... 35 kg (77 lbs)

## Performance

Operating time: ..... continuous

## Control and programming

Control options ..... DMX, stand-alone, Jem Remote Control (not included)  
DMX channels: ..... variable, 1 per head, 16 max

## Fluid system

Fluid pump: ..... 2 bar  
Fluid capacity ..... 50 l  
Maximum fluid consumption at peak output (16 heads): ..... approx. 50 l/hr

## Installation

Orientation ..... horizontal

## Connections

Hydra data line: ..... 3-pin XLR  
DMX: ..... 3 and 5 pin XLR  
Remote control: ..... 3-pin XLR  
Fluid line: ..... receives 10 mm OD flexible tubing  
AC power: ..... IEC connector with integral fuse holder

## Electrical

AC power (EU model) ..... 200 - 250 VAC, 50/60 Hz  
AC power (US model) ..... 100 - 130 VAC, 50/60 Hz  
Main fuse (EU model) ..... 3.15 AT (slow-blow)  
Main fuse (US model) ..... 6.3 AT (slow-blow)


## Power and current

EU model, maximum at 230 V / 50 Hz: ..... 250 W, 1.1 A  
US model, maximum at 115 V / 60 Hz: ..... 250 W, 2.2 A

## Thermal

Maximum ambient temperature (Ta max.): ..... 40° C (104° F)  
Exterior surface temperature, steady state: ..... 40° C (104° F)

## Approvals

 European EMC: ..... EN 50 081-1, EN 55 014, EN 55 022 /B, EN 60 555  
European safety: ..... EN 60 335-1  
Immunity: ..... EN 50 082-1, IEC 801-2, IEC 801-4

## Included items

..... 10 mm tube, 2 x 30 m  
..... IEC three-pole AC power lead without plug  
..... Male and female Hydra XLR data line terminators  
..... 2 x 10 mm fluid line cap plugs  
..... 2 x 25 l fluid container (empty)

## Accessories

Connector, 2 x 6 mm m/f, valved (self-seal) ..... P/N 92620007  
Connector, 2 x 10 mm m/f, valved (self-seal) ..... P/N 92620008  
Connector, 2 x 10 mm, straight (in-line) ..... P/N 92620009  
Tubing, 10 mm o/d, length 30 m ..... P/N 92620010  
Hydra flightcase ..... P/N 91540007  
Jem Remote Control ..... P/N 92765026

## Ordering information

Jem Hydra base, 230V 50/60 Hz ..... P/N 92250200  
Jem Hydra base, 115V 50/60 Hz ..... P/N 92250300

Specifications subject to change without notice.