

Hydra 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 power plug

Electrical

AC power (EU model)	200 - 250 V, 50/60 Hz
AC power (US model)	100 - 130 V, 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, 230 V, 50/60 Hz	P/N 92250400
Jem Hydra head, 115 V, 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
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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 liters (13.2 US gal./11 Imp. gal.)
Maximum fluid consumption at peak output (16 heads)	Approx. 50 liters (13.2 US gal./11 Imp. gal.) per hour

Installation

Orientation	Horizontal
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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 V, 50/60 Hz
AC power (US model)	100 - 130 V, 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 liter (6.6 US gal./5.5 Imp. gal.) fluid containers (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, 230 V, 50/60 Hz	P/N 92250200
Jem Hydra base, 115 V, 50/60 Hz	P/N 92250300

Specifications subject to change without notice.