



coldcut™ cobra

C 360 H/HLS Kit



The coldcut™ cobra fire extinguishing technique combines abrasive water jet cutting with water spray extinguishing.

The high water jet pressure allows for the cutting abrasive to rapidly penetrate all known construction materials, creating an efficient high velocity firefighting water mist, once the penetration has been made.

The method offers a safe attack on interior fire and on fire gases from an outside position.

The C 360 H Kit is a cutting extinguisher system (58 lpm) designed for vehicle based installation in larger fire trucks. This Kit is designed for integration with the vehicle's existing oil hydraulic system and is delivered with its interface at the oil hydraulic motor - (assembled on the high pressure water pump) - and includes main components to the hand lance.

The C 360 HLS Kit includes a complete oil hydraulic load sensing system, with its interface at the oil hydraulic pump. Any transmission/cardan shaft between the oil hydraulic pump and the PTO to be engineered by the coachbuilder.

Alternative solutions for skylifts are available upon request.

The C 360 H/HLS Kits are versatile platforms for use with Cold Cut Systems™ range of accessories.



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data	standard	options
Performance	Water flow: max. 58 lpm Pressure at pump: 250-300 bar	
Supply - from vehicle - from existing oil hydraulics	Electric: 12/24 V DC, 55 Ah min Water: 1-8 bar, flow > 70 lpm, filtered 80 MESH // 177 µm a) min 230 bar, min 87 lpm at hydraulic motor b) min 170 bar, min 120 lpm at hydraulic motor	Battery charger
Power source (C 360 H Kit)	Water pump and oil hydraulic motor a) L x W x H = 700 x 380 x 250 mm Weight 56 kg b) L x W x H = 750 x 380 x 250 mm Weight 60 kg	HLS Kit - complete oil Hydraulic Load Sensing system quoted upon request Required power supply 800 - 2200 rpm, ≈ 40 kW from PTO
Abrasive vessel	10 liters (≈ 4 min cutting) L x W x H = 380 x 320 x 920 mm Weight 67/90 kg (dry/wet full)	20 liters (≈ 8 min cutting) L x W x H = 380 x 320 x 1230 mm Weight 85/130 kg (dry/wet full)
Hose reel Electric retraction, 12/24 V DC	1/2" 80 meters hose L x W x H = 450 x 830 x 520 mm Weight 78 kg	1/2" 100 meters hose L x W x H = 450 x 830 x 520 mm Weight 89 kg Lengths > 200 m contact Cold Cut Systems
Hand lance incl. adjustable cutting support	Nozzle 2.3 mm L x W x H = 1320 x 100 x 420 mm Weight 6 kg	Nozzle 2.1 mm Short hand lance (L = 900 mm) with fixed cutting support Weight 5 kg
Control system incl. radio communication	Relay control system	N/A
Foam pump < 1,5 % mixture class A detergent ≈ 4 lpm water consumption		10 or 23 liter tank 12/24 V DC L x W x H = 300 x 140 x 190 mm Pump weight 10 kg
Tank - water		270 liter with autofill and with/ without level control L x W x H = 440 x 840 x 1110 mm Weight 20 kg (empty)
Oil	Water pump: Holst 100 2.6 liter	
Cutting performance (*) - 3 mm mild steel - 10 mm mild steel (* values valid for 28 lpm system)	Penetration 5-10 sec 30-40 sec	Cutting speed ≈ 100 mm/min ≈ 40 mm/min

All given weights and dimensions are indicative only.

An assembly kit is a partly completed machine supplied with assembling guidelines and other documentation.

Relevant demands under EN 1846-3 should also be taken into consideration by the coachbuilder. One such demand is frost protection.

The coldcut™ cobra cutting extinguisher system is patented. Cold Cut Systems AB may change contents without prior notice.



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