



coldcut™ cobra

## C330H naval 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 C330H naval kit is designed for naval and maritime use: manufactured mainly in stainless steel, high IP-classification, and shock proof engineered, allowing exposures to tough environments.

The C330H naval kit is designed for integration with the vessel's existing hydraulic system and is delivered with its interface at the hydraulic motor – (assembled on the high pressure pump) – and includes all main components to the hand lance.

This unit is a versatile platform for use with coldcut™ systems range of accessories. The kit could be dually installed for redundancy.



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Item	Standard features/data	Options
<b>Performance</b> (20° C, 50% rel. hum., sea level)	26 lpm, max 29,5 lpm Pressure at pump 250-300 bar	
<b>Power source for pump</b>	Water pump and hydraulic motor P: min 220 Bar, Q: min 60lpm, @ hydraulic motor	Other configurations on request
<b>Abrasive vessel</b>	10 liter, approx 7 min cutting	20 liter, approx 14 min cutting
<b>Hose Reel</b>	3/8 inch 50 meter high pressure hose, manual retraction	Other lengths on request, electrical retraction on request
<b>Hand lance</b>	Nozzle 1.6 mm L x W x H = 900 x 100 x 420 mm	Other lengths on request
<b>Control system</b>	Wire commanded, relay control system	Radio controlled on request
<b>Foam Pump</b> High pressure water propelled	-	Foam pump with 10 liter tank Pump weight 10 kg < 1,5 % mixture class A detergent ≈ 2 lpm water consumption
<b>NBC wash</b>	-	Low pressure NBC wash with separate nozzle
<b>Water supply for fire fighting and NBC wash</b>	80 mesh (177 my) filtered, 3 bar @ 40 lpm	Submersible auxiliary pump 3 meter elevation, 24V DC
<b>Water supply for system cleansing</b>	80 mesh (177 my) filtered fresh water @ 15 lpm, 3 bar	-
<b>Electric Power Supply</b>	24V DC, 25 amps	240V AC 50Hz for optional heater, others on request
<b>Oil</b>	Gearbox: 0.35 liter, T55 8w-140 Water pump: 1.04 liter, Holst 100	-
<b>Cutting/penetration performance</b> 3 mm mild steel 10 mm mild steel	<b>Penetration</b> 5-10 seconds 30-40 seconds	<b>Cutting speed</b> 100 mm/min 40 mm/min
<b>Weights and dimensions</b>	Dry weight: TBD(planned 2010 Q4) L x W x H: TBD (planned 2010 Q4)	-
<b>Marine engineered system</b>	Stainless/brass/anti corrosive treated, high IP classification (mostly > IP 65)	-
<b>High impact shock absorbers</b>	TBD (planned 2010 Q4)	-
<b>Freeze protection</b>	Active (slow running water): included	Passive (heater, insulated cover): on request
<b>Training and Commissioning</b>		
Cold Cut Systems strongly recommends <i>training</i> of personnel both operating as well as planning the usage of the coldcut™ cobra cutting extinguisher. Cold Cut Systems also strongly recommends the organizations operating the cobra to develop adopted and localized tactics and strategies. Cold Cut Systems offer professional advice and training in these areas.		
Cold Cut Systems recommends <i>commissioning</i> to be undertaken by Cold Cut Systems' personnel alternatively Cold Cut Systems trained and appointed personnel		

Technical data subject to change without further notice.



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