

**CONTAINER FIREPAK 2400**

**Description**

**CONTAINER FIREPAK 2400** fire water pumping unit consisting of one skid mounted diesel engine coupled to a fire water pump by means of a flexible coupling. The container is designed with an integrated fuel tank for initial start up and approx. 1 hr autonomous running. Inside the container a thermally insulated exhaust silencer is mounted. Combustion air supply and container ventilation is provided by an electric driven fan powered by an externally supplied power source. The air intake is protected against rainfall and water ingress by using baffles in front of the air intake. To start the diesel engine a set of starting batteries are included, which will be charged by the diesel engine when running or by an external power supply. Water is drawn in through a suction flange connection on one side and a discharged flange connection on the opposite side. Optionally the container can be equipped with a single or double roof top mounted fire water monitors.

**Application**

The **CONTAINER FIREPAK 2400** unit is designed for on- / offshore purposes and marine applications. For marine purposes the unit can be used to fulfill Fi-Fi class I notification requirements. When equipped with double monitors a single container Firepak 2400 fulfills with FiFi-1 class requirements.

**Dimensions**

Gross weight:	± 16.000 kg	Net weight:	± 15.000 kg
Length:	± 6.058 mm		
Width:	± 2.460 mm		
Height:	± 2.896 mm		
Capacity fuel tank:	± 800 liters	Fuel consumption at 100% load:	310 l/hr

**Diesel engine**

Make:	Cummins	Type:	KTA50 – M2
Power:	1.268 kW	Speed:	1.800 rpm
Bore:	159 mm	Stroke:	159 mm
Turbo:	Twin, shielded	Rotation:	CCW
Speed control:	Mechanical governor	Cooling:	(Sea) water cooled heat exchanger

**Fire water pump**

Make, design:	Nijhuis, horizontal split case	Type:	Venus1-350.650
Capacity:	2.400 m <sup>3</sup> /hr	Discharge head:	130 mwc
Power required at duty point:	1.015 kW (s/w 1.025 kg/m <sup>3</sup> )	Pump efficiency:	86 %
NPSH <sub>r</sub> :	5.4 mlc	Suction Height	Max. 3.5 – 4.0 meter
Shaft speed:	1.500 rpm		
Pump house material:	Ductile cast iron	Impeller material:	Bronze
Pump shaft material:	Stainless steel	Gland sealing:	Soft packing

**Container**

Size:	Standard 20ft
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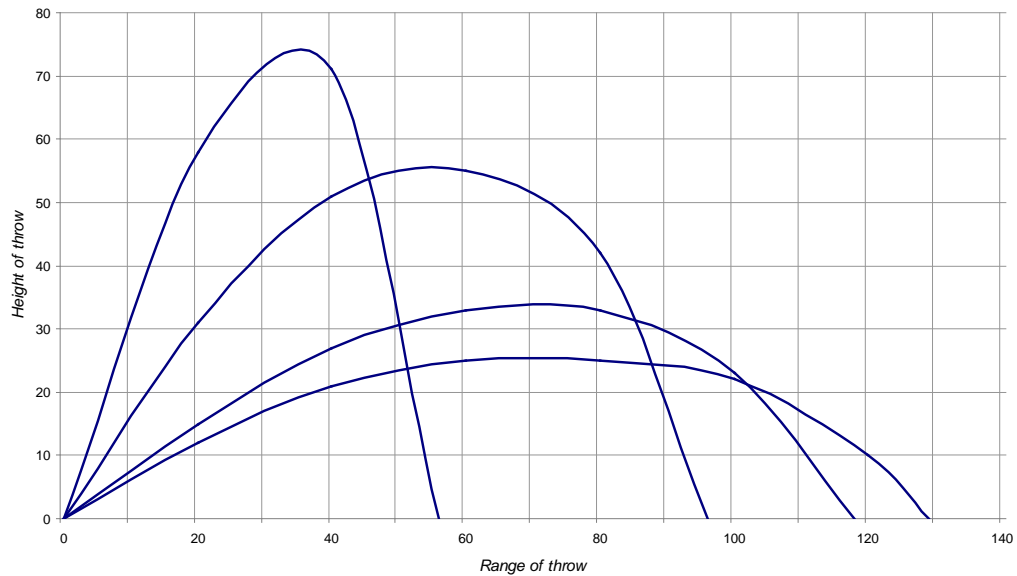
## CONTAINER FIREPAK 2400

Material:	Standard carbon steel	Coating:	RAL 3000 (Fire Fighting Red)
Suction connection:	DN400 / 16"	Discharge:	DN350 / 14"
Cooling water dump connection:	DN65		
Fuel supply connection:	3/4" BSP	Fuel return connection:	1" BSP
Electrical connection:	Std. 400V power supply (externally supplied available by customer)		
Foam inlet connection (optional):	DN65		

### Monitors (optional)

Make:	Alco Albach	Type:	APF-7
Capacity:	1.200 m <sup>3</sup> /hr	Discharge head:	120 mwc
Throw distance (elevation 30°):	>120 meters	Throw height:	>70 meters
Control:	Manually operated		
Monitor materials:	Light alloy / stainless steel		

### Trajectory Diagram



### Optional

Lift pump for increased suction capabilities

Around the pump foam system

Remote controlled fire water monitor

NOTE: Non-binding data sheet; Hydrodiesel Ltd reserves the right to select components of equal quality and performance.