

SKID MOUNTED FIREPAK 2400

Lay-out



Description

SKID MOUNTED FIREPAK 2400 fire water pumping unit, consisting of a diesel engine coupled to a fire water pump by means of a flexible coupling. The fire water pump is of the horizontal split case type with double volute for optimum suction capabilities and silent running. 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. The diesel engine will be heat exchanger cooled with cooling water derived from the fire water pump. Two exhaust silencers will be supplied as loose items, including counter flanges and fixation material.

As a standard the suction and discharge flanges will be placed horizontally; optionally the pump can be orientated vertically with the suction flange at the bottom / discharge flange at the top.

Application

The **SKID MOUNTED 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. With double monitors a single Firepak 2400 fulfills FiFi-1 class requirements.

Dimensions

Gross weight:	± 14.000 kg		
Length:	± 4.500 mm		
Width:	± 1.700 mm		
Height:	± 2.500 mm		
Capacity fuel tank:	N.A.	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 ³ /hr	Discharge head:	130 mwc
Power required at duty point:	1.002 kW (s/w 1.025 kg/m ³)	Pump efficiency:	86.9 %
NPSH _r :	6 mlc	Suction Height	Max. 2 / 2.5 meter
Shaft speed:	1.600 rpm		
Pump house material:	Ductile cast iron	Impeller material:	Bronze
Pump shaft material	Stainless steel	Gland sealing:	Soft packing



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Optional

Pump rotated 90° to have bottom suction and top outlet flanges

Lift pump for increased suction capabilities

Around the pump foam system

20 ft container enclosure

Marine class "witness on performance" certificate

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