



## Mobile Fire Extinguishing and Flood Drainage Pump





### Description

Self-priming end suction pump is coupled by flexible coupling directly to a diesel engine and mounted on a trailer. Thanks to the exhaust gas priming system, without filling the suction house, priming the water to the pump is very easy and quick (approx. 40 sec.).

Suction house, discharge house, water spraying lance, on request foam mixer can be added to spray foam (optional), fuel tank, control and start-up panel, battery are included all equipment are mounted on two wheel trailer ready to operate.

### Where to Use

Municipalities, factories, marinas, military bases, fuel storage facilities, disaster fighting organisations, places where there is no fire pump station or flood emptying facilities, this unit can be used very fast and easily. The unit can be pulled by a water tanker or behind any vehicle for fire-fighting or dewatering purpose.

## Technical Feature

	HIZIR 40/34	HIZIR 90/65
Flow	40 m <sup>3</sup> /h	90 m <sup>3</sup> /h
Pressure	90 mSS	90 mSS
Type	50/268 Norm Pump	65/268 Norm Pump
Suction Diameter	DN 65 mm (Flanged)	DN 80 mm (Flanged)
Discharge Diameter	DN 50 mm (Flanged)	DN 65 mm (Flanged)
Seal	Mechanical	Mechanical
Body	GG 25 Cast Iron	GG 25 Cast Iron
Impeller	268 mm Bronze	268 mm Bronze

### HIZIR 40/34 Diesel Engine

34 KW – 2900 RPM, four stroke, cooled water start motor, four cylinders (ETNA OEM brand)

### HIZIR 90/65 Diesel Engine

65 KW – 2900 RPM, two stroke, start motor, four cylinders (ETNA OEM brand)

## Trailer

Two wheel trailer can cruise on high-way (permission is optional) pulling connection, with brake

## Start and Control Panel

To operate the diesel engine there is a control panel, on the panel; oil pressure gauge, water temperature gauge, fuel indicator, engine speed gauge, engine start key, speed adjusting arm.

## Accessories

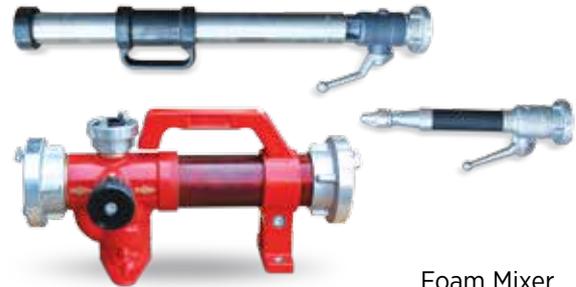
Two pieces 2" suction hose 3 m. two pieces 2" discharge hose 20 m., quick coupling connection locks, water spray lance, suction side of the pump two way 2" suction cam locks, discharge side two way 2" valve control discharge cam locks, foam substance tank.



Suction Hose 3 meters



Discharge Hose 20 meters



Foam Mixer

## Running The Unit

The unit can be used for fire-fighting and flood drainage purpose. In both cases the trailer should be pulled by a vehicle to the place where it will be used. By the help of quick coupling at the both end of suction and discharge hoses, can be connected to the suction and discharge end of the pump. The suction hose can be immersed to a pool, lake or a water reservoir or can be connected to a water tanker. The diesel engine starts by start motor, to develop a vacuum at the suction side of the pump to prime water by closing the exhaust arm, exhaust gas passes through a venturi, after 30 or 40 seconds water is primed into the pump and pump is ready to operate. After priming of the water the exhaust arm is opened and the water comes from the spraying lance. On request a foam mixer can be used to spray foam on inflammable substances. In case the unit will be used flood drainage the suction hose should be immersed to the place to drain and same proses is used to run the pump fast and easy. Pump is not suitable to drain sewage. Pump can drain flood water or dirty water having not different size of particles.

**Note: The unit can't be used for irrigation by sucking water from a river or a lake.**