



FIRE-FIGHTER

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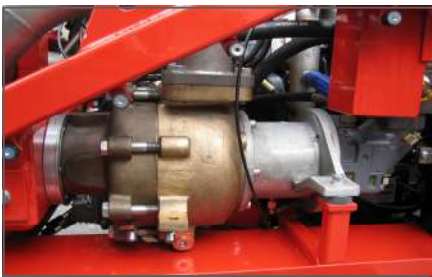


LUF™

FIRE-FIGHTER

Range of applications

- Road- and Railtunnels
- Mass- Transit Rail System
- Railway Stations
- Parking Houses
- Production Plants
- Petrol Stations
- Airports
- Pedestrian Tunnels
- Closed Compartments -
or Buildings



robust 2-Stage Waterpump Bronze

capacity 100 HP,
pressure increase 145 psi (10 bar)
at a flow-rate of 635 gallon (2.400 lt.)



Additional connection in the centre of the conical fan tube for:

Medium foam tube:

- foam range appr. 35 m
- flow rate up to 800 lt./min.

Heavy foam tube:

- foam range appr. 70 m
- flow rate up to 3000 lt./min.

Monitor nozzle:

- flow rate continuous adjustable
from 400—3000 lt./min
- jet and spray streaml
- range appr. 80 m



3-Point Hydraulic

Mounted at the frontside
of the LUF 60®

Lifting force 600 kg



Carrier box mounted onto the 3-Point-Hydraulic

lift, lower and tipp → with remote control
or manual

Workload appr. 400 kg



LUFTM
FIRE-FIGHTER

Additional Fan

- 47 HP (35 kW)
- 60.000 m³/h effective
- Parallel operation with the LUF 60[®]
150.000 m³/h effective
- Position independence
 - suction fan
 - positive pressure fan



Cable Winch

Tractive force 3.000 kg
Cable length 30 mtr.

LUF— Air ducting system

Air flow rate: 6 m³ sec.
(100 m of air ducting system)
Exit speed : appr. 100 km/h



LUF 60[®]

The Mobile Firefighting Supporting Machine LUF 60[®] does provide optimum performance and economy at the same time through operating efficiency and application of Rechner's own high technology engineering and modular concept.

The LUF60, a wireless remote controlled mobile firefighting support unit, clears the path for advancement of up to a distance of 300 m by incorporating a high capacity positive pressure ventilator and a "water beam" fog. This combination clears away smoke, heat, toxic gases and reduces the intensity of the fire, allowing fire-fighters and rescue teams to follow safely. Using state of the art control elements ensure easy handling and high precision operation.

As a high performance machine it is highly flexible and easy to service. The very short time it takes for the LUF 60[®] to control a tunnel fire reflects in the minimal damage to the tunnel structure itself and its associated infrastructure.

The diesel powered LUF 60[®] is a rugged machine that can withstand the rigors of severe operating conditions and confines spaces.

The radio controlled unit has additional back-up manual controls in the event of a power supply failure. High mobility as well as flexibility is guaranteed by a crawler track system, which enable it to go up and down stairways as steep as 30° and is easy capable of "bulldozing" a normal family car out of the way.

Applications in a variety of situations, include, but are not limited to: road, rail and subway tunnels, aircraft hangers, chemical, industrial and power plants, warehouses and commercial buildings.

The Mobile Firefighting Supporting Machine LUF 60[®] - state of art firefighting apparatus - offers safe working conditions for fire-fighters and rescue-teams.



Technical Data LUF 60®	
Length:	2.330 (mm)
Width:	1.350 (mm)
Height (Headpiece in park position)	2.000 (mm)
Height (Headpiece in upper position)	2.500 (mm)
Self weight:	2.200 (kg)
Diesel-Engine:	John Deere 140 PS (104 kW) 4-cylinder, inline, water-cooled
Diesel fuel tank:	60 Liter
Hydraulic-oil tank:	40 Liter
Travelling speed:	0—4,5 km/h
Water pump:	2-stage, 2.400 lt/min. at 10 bar or 1000 lt/min at 15 bar, Capacity 100 HP
Water Canon:	360 nozzles, 15—20 bar, 0—40° hydr. operate elevation adjustment
Power Ventilation:	35 kW, 90.000 m ³ /h, 165 km/h
Water Inlet:	3 x B-Storz with non return valve and prefilter 6 mm
Filter system:	100 mic, stainless filter
High pressure inductor:	PN 40
Working light:	2 working lights
Stairway and ramp climbing:	up to 30°
Remote Control:	≤ 300 m