

MVF-5 technical characteristics



PRIME MOVER

Length	3800 mm
Width	2180 mm
Height	2109 mm
Prime mover weight	9724 kg

MVF-5 WITH TOOL AND WATER GUN

Length	5327 mm
Width	2200 mm
Height	2300 mm
Vehicle's weight with tools and full tank	14000 kg
Maximum speed	12 km/h
Ground bearing pressure	0,64 kg/cm ²
Control	Remote controlled
Maximum operated distance	Up to 1500 m
Main hydraulic system	380 bar
Hydraulic tank capacity	200 l
Electric system	24 V

POWER TRAIN SYSTEM

Engine	Perkins
Type of engine	1106DE66TA
Engine weight	709 kg
Number of cylinders	6-cylinder, in-line, turbo-charged diesel
Engine power	180 kW/241,2 HP at 2100 rpm
Torque	950 Nm at 1400 rpm
Engine oil quantity	25 l
Fuel tank capacity	120 l
Fuel consumption	15 l/h

HYDRAULIC SYSTEM

Drive system - Hydrostatic	Bosch - Rexroth
Pump drive system - Hydrostatic	Bosch - Rexroth

FIRE FIGHTING SYSTEM

Water pump manufacturer	Ziegler-Giengen
Water pump type	FPN 10-2000-2H
Water pump displacement	2000 l/min
Water gun	Ziegler
Water gun type	ZW 20
Water tank capacity	2500 l
Foam tank capacity	700 l
Foam concentration	2% 3% 5% 6%
Water gun range	55 m

TOOL TECHNICAL DATA

Blade/Gripper Tool

Width	2200 mm
Height	935 mm
Weight	976 kg
Maximum gripper lift capability	2000 kg
Maximum gripper span	180°
Gear pump	Bosch - Rexroth
Working pressure	180 bar

Hull

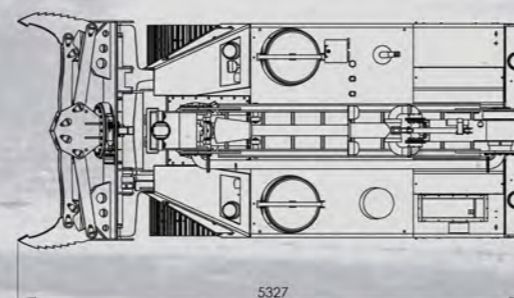
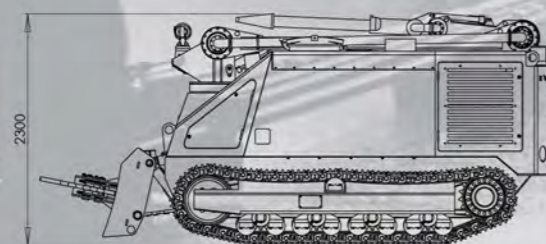
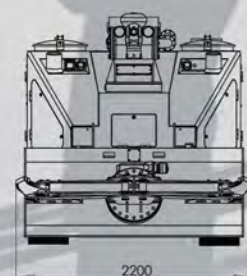
Hull manufacturer	DOK-ING
Hull construction	Welded steel box construction
Material	Hardox 450 steel plate

Undercarriage

Track manufacturer	Berco Italia
Axle distance	2750 mm

ADDITIONAL EQUIPMENT

Video system	
Infrared thermal camera	



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MVF-5
ROBOTIC FIREFIGHTING SYSTEM

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MVF-5 at a glance

REMOTE CONTROL AERIAL

Operational range up to 1500 m

LIFTING POINTS

MIDDLE PRESSURE

FIRE PUMP

Pump output: 2000 l/min at 10 bar

TANK CAPACITY

2500 l of water and
700 l of foam

LOW PROFILE TRACKS

VIDEO SYSTEM

(IR) Infrared Thermal camera

FIRE EXTINGUISHING SYSTEM

Monitor mounted on hydraulic arm with range of 55 m

VIDEO SYSTEM

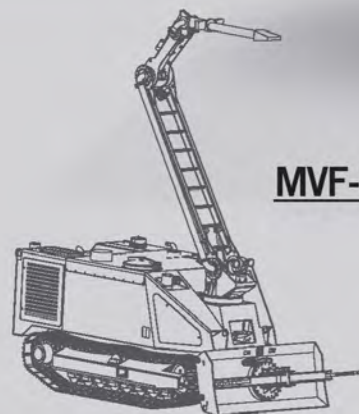
Rotational camera

DOZER BLADE

Can push up to 10 t of weight

ROTATIONAL GRIPPER

Can lift up to 2 t of weight



MVF-5 with tool and water gun

WIDTH	2200 mm
LENGTH	5327 mm
HEIGHT	2300 mm
WEIGHT	14000 kg



REMOTE CONTROL

Operational range up to 1500 m