

Mobile M Ventilation V Unit U in Lightweight Design LD



Technical Documentation MVU-LD 95/100 on IRON HORSE

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Mobile Ventilation Unit in Lightweight Design MVU-LD

MVU-LD 95/100 on IRON HORSE

technical data fan

inner shroud material	GRP
outer shroud material	GRP
inner shroud diameter	950 mm
outer shroud diameter	1.250 mm
length	750 mm
safety grill	EN 294, powder coated
impeller	6 blades, central mounted
impeller material	Fiberglas reinforced Nylon
impeller RPM	approx. 2.100 1/min
air flow rate	approx. 140.000 m ³ /h
axial thrust pressure	2.100 Pa(N)
colour	RAL 3000, fuel resistant

technical data engine

engine type	4-cylinder-4-stroke-Boxer
power	75 kW (100 HP)
engine displacement	1.352 cm ³
engine starter	2-fold, electrical
engine RPM	max. 5.800 1/min
fuel tank capacity	54 litres (2,5 hrs running time)
power transmission	direct, I = 2,43

dimension and weight ventilator and engine

length	approx. 1.400 mm
width	approx. 1.250 mm
height	approx. 1.550 mm
weight without options and fuel	max. 195 kg

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water mist system

ring fixed between the inner and outer shroud

nozzles 14 pcs.

flow rate approx. 260 l/min at 7 bar
max pressure 15bar

arithmetical mean value approx. 220 µm

connection C – coupling

assembly

engine cover

Service opening for engine

operation panel

IRON HORSE

The IRON HORSE lightweight crawler vehicle with a wide variety of off-road transport tasks such as stairs, railway-tracks, embankment, forest and so on.

length 1.800 mm

width 1.080 mm

deadweight 385 kg

payload 500 kg

power 9 PS

speed max. 6 km/h

torque converter, differential lock, forward / backward gear

control lever (can be put aside), Break control with control lever possible

control break

guard below transmission

frame for mounting a MVU-LD Unit

dimension and weight IRON HORSE + Ventilator and Engine

length incl. drawbar 3.560 mm

width 1.250 mmx

height 1.900 mm

total weight approx. 580 kg

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