

# 01 / MGV® L80



A real all-rounder. The MGV® L80 closes the gap between MGVs® and the portable Power Blowers. It offers the necessary power for an effective ventilation of large structures like underground parking, schools, department stores, warehouses or workshops and is at

the same time light-weight and compact. Mounted on a compact one-axle trailer or a pushcart it is easily handled and fast in operation. Due to the low weight the L80 on a carrying frame can be placed in front of openings regardless from roads or driveways.



## L80 B16

Max. air output effective	200,000 m³/h
Air output nominal	70,000 m³/h
Axial thrust	approx. 900 N
Max. air speed	38 m/s
Engine	Briggs & Stratton Vanguard, 2-cyl.-4-stroke engine, air cooled
Engine power	16 kW
Propeller	fiber-glass reinforced polyamide
Drive mechanism	multi-rib belt
Shroud	fibre-glass reinforced plastics, clam-shell design
Operation	control panel
Remote control w. 5 m cable	<input type="checkbox"/>
<b>Water Mist System</b>	<input type="checkbox"/>
Nozzles	8 pcs. stainless steel ring
Water output	170 l/min (7 bar)
<b>Ventilation Hose System</b>	<input type="checkbox"/>
Air output extraction mode	20,000 m³/h
Diameter ventilation hose	600 mm
Adapter	1 pcs. GRP incl. 2 m hose
Mounting	intake side
Length	14 m (standard package), upgradeable

- UP TO 200.000 m³/h
- EXTREME LIGHT-WEIGHT
- PORTABLE
- FOR EVERY FIRE SERVICE

## L80 B CITY

The pushcart has a four-wheel steering for a high maneuverability and an all-wheel brake with deadman handle for maximum stability and safety during operation. Therefore the L80 B City can be easily positioned and operated by one person. The optional tilt-device and the carrying frame increase the flexibility for different operational situations.



Dimensions (L x w)	1,250 x 1,050 mm
Height	1,500 - 1,850 mm
Weight	200 - 275 kg
Deadman all-wheel brake	■
Four-wheel steering	■
Charging connection MagCode 12V	<input type="checkbox"/>
LED working lights	<input type="checkbox"/>
Integrated battery charger	<input type="checkbox"/>
<b>Tilt device</b>	<input type="checkbox"/>
Tilt angle	+15° / -10°
Operation	hydraulic with hand pump
Carrying frame (Ventilator demountable)	<input type="checkbox"/>
Weight (ready for operation) incl. carrying frame	145 kg

**EASY HANDLING,  
COMPACT STORAGE**

## L80 B SPEED

The one-axle platform trailer with optional tilt- and/or rotation-device offers space for additional equipment and several options: from the ventilation hose system, LED working lights for a powerful scene lighting, height adjustable drawbar up to the storage of an additional portable Power Blower.



<b>Tilt device</b>	<input type="checkbox"/>
Tilt angle	+18° / -10°
Operation	hydraulic with hand pump
<b>Rotation device</b>	<input type="checkbox"/>
Rotation angle	± 100°
Dimensions (L x w)	3,400 x 1,770 mm
Height	1,700 - 2,050 mm
Weight	350 - 450 kg
Gross vehicle weight	750 kg
Carrying frame incl. outriggers (Ventilator demountable)	<input type="checkbox"/>
Height adjustable drawbar	<input type="checkbox"/>
Material box	<input type="checkbox"/>
Support devices (4)	■
LED working lights	<input type="checkbox"/>
Integrated battery charger	<input type="checkbox"/>
Equipment rack for ventilation hose system	<input type="checkbox"/>

additional options / accessories available





The MGV® L80 E is driven by powerful electric motors. The variable airflow is regulated by an intuitive control panel and can be adjusted to the specific needs during the operation. With lowered speed the noise level of the L 80 E is reduced essentially – up to 80%. The frequency controlled electric drive meets the updated electromagnetic compatibility guidelines (EMC). Because of the

absence of exhaust fumes the MGV® L80 E can be operated inside buildings. The high quality industrial electric motor is maintenance free and durable. With the innovative frequency control the performance of the drive is optimized, therefore the drive power is clearly higher (11 kW respectively 16 kW) than the nominal power of the motor.



- UP TO 195.000 m<sup>3</sup>/h
- NO EXHAUST FUMES
- UP TO 80% LESS NOISE
- LOW-MAINTENANCE

	L80 E11	L80 E16
Max. air output effective	140,000 m <sup>3</sup> /h	195,000 m <sup>3</sup> /h
Air output nominal	50,000 m <sup>3</sup> /h	70,000 m <sup>3</sup> /h
Max. air speed	30 m/s	43 m/s
Motor	three-phase motor 400V	
Drive power	11 kW	16 kW
Nominal motor power	7.5 kW	11 kW
Connecting plug	CEE 400 V 16 A	CEE 400 V 32 A
Propeller	fiber-glass reinforced polyamide	
Rpm at max. power	1,700 1/min	2,300 1/min
Shroud	fibre-glass reinforced plastics, clam-shell design	
Operation	control panel with display	
<b>Water Mist System</b>	<input type="checkbox"/>	
Nozzles	8 pcs. stainless steel ring	
Water output	170 l/min (7 bar)	
<b>Ventilation Hose System</b>	<input type="checkbox"/>	
Air output extraction mode	14,000 m <sup>3</sup> /h	19,000 m <sup>3</sup> /h
Diameter ventilation hose	600 mm	
Adapter	1 pcs. GRP incl. 2 m hose	
Mounting	intake side	
Length	14 m (standard package), upgradeable	

## L80 E CITY



	L80 E11	L80 E16
Dimensions (l x w x h)	1,200 x 1.050 x 1,650 mm	
Weight	220 kg	270 kg
Deadman all-wheel brake		■
LED working lights		□
Tilt device		■
Tilt angle	-10° / +25°	
Operation	electric	

The pushcart has an all-wheel brake with deadman handle for maximum stability and safety during operation. The integrated tilt-device allows an easy and fast adjustment.

## L80 E CITY Q



	L80 E11	L80 E16
Dimensions (l x w x h)	1,200 x 800 x 1,650 mm	
Weight	220 kg	270 kg
Deadman all-wheel brake		■
Four-wheel steering		■
LED working lights		□
Tilt device		■
Tilt angle	+25° / -10°	
Operation	electric	

Alternatively, the L80 E can be positioned sideways on a pushcart in order to be lorried place-savingsly. An additional supporting leg guarantees maximum stability during operation.

## PUSHCART ACCESSORIES



For transport of the ventilation hose system and additional accessories, various pushcarts are available. They can be constructed in flexible ways in order to lorry further equipment such as additional ventilation hoses, mobile smoke stoppers and the foam generating system FlexiFoam.