

MGV® L80

THE MOST COMPACT GRAND VENTILATOR



A true all-rounder. The MGV® L80 II offers the power for effective ventilation of large structures such as underground car parks, schools, department stores, warehouses or workshops and is at the same time light-weight and compact. When it was launched in 2010, the MGV L80 defined a new class. The MGV L80 II has been completely reengineered. Especially on the MGV L80 II B with a combustion engine, the new toothed belt drive ensures improved airflow to the impeller. All MGV L80 II have an electric tilt device with a tilt range that is unrivaled in this class for optimal adjustment of the fan to the entrance opening, especially for ventilation of basements and underground car parks.

GASOLINE ENGINE

The toothed belt drive and the high-quality engines of the Honda GX series ensure maximum reliability and exceptional performance. In addition to the improved air flow to the propeller, the drive concept also allowed to optimize the size of the special GRP adapter for suction performance unrivaled in this class. The MGV L80 II B+ offers with its electronic fuel injection, significantly smoother running, greater efficiency and extremely easy starting with an automatic choke. With the compact trailer or with the push cart, it is quick and easy in operation.

ELECTRIC MOTOR

The MGV® L80 II E is driven by powerful electric motors. The air output is infinitely variable and can be adapted to the specific needs during the operation. With lowered speed the noise level of the L 80 II E is reduced essentially – up to 80%. Because of the absence of exhaust fumes it can be operated inside buildings. The very high quality industrial electric motors are maintenance-free and durable. With the innovative frequency control the performance of the drive is optimized, therefore the drive power is clearly higher than the nominal power of the motor.

NO EXHAUST FUMES . UP TO 80% LESS NOISE . LOW-MAINTENANCE

For the ventilation of sensitive areas (e.g. hospitals or food industry), the MGV L80 II is the only large structure fan available with two powerful electric drives.



	L80 II B	L80 II B+	L80 II E11	L80 II E16
Max. air volume effective	210.000 m³/h	220.000 m³/h	155.000 m³/h	200.000 m³/h
Air output nominal	65.000 m³/h	68.000 m³/h	50.000 m³/h	65.000 m³/h
Axial thrust	approx. 800 N	approx. 850 N		
Max. air speed	39 m/s	41 m/s	32 m/s	38 m/s
Engine	Honda GX 690, 2-cyl.-engine	Honda iGX 800, 2-cyl.-engine	Siemens three-phase motor 400V	
Drive power	16,5 kW	18,6 kW	11 kW @ 1.700 1/min	16 kW @ 2.300 1/min
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, 6-blade		PAG, 7-blade	PAG, 9-blade
Drive mechanism	toothed belt		direct drive	
Shroud	fiber-glass reinforced plastics, clam-shell design			
Remote control	--	○	○ (wireless)	○ (wireless)
Water Mist System	○			
Nozzles	8 pcs. stainless steel ring			
Water output	170 l/min (7 bar)			
Ventilation Hose System	○			
Air output extraction mode	19.000 m³/h	20.000 m³/h	14.000 m³/h	19.000 m³/h
Diameter ventilation hose	600 mm			
Adapter	1 pcs. GRP incl. 2 m hose / 1 pcs. duct reducer			
Mounting	intake side / pressure side			
Length	14 m (standard), upgradeable			

L80 II **B SPEED**



The enormously robust, specially developed single-axle trailer BIG 750 with galvanized steel frame, high-quality aluminum checker plate components, ergonomic handles and standard tilting device can be easily positioned and operated by one person. Many options are possible, from the lift- and rotation-device to the ventilation hose system and LED working lights for illuminating the scene of operation.

Tilt device electrical	■
Tilt angle	+20° / -20°
Rotation device manual	○
Rotation angle	± 100°
Lift device hydraulic	○
Lift height	600 mm
Dimensions (l x w)	2.750 - 1.450 (1.650) mm
Height	1.900 - 2.200 mm
Gross vehicle weight	750 kg
Height adjustable drawbar	○
Support devices	■
LED working lights	○
Charging port MagCode 12V	■
Integrated battery charger	○
Ventilation hose system	○

additional options / accessories available

L80 II **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, it can be easily positioned and operated by one person. The tilt-device and optional lift-device increase the flexibility for different operational situations.



Tilt device electrical	■
Tilt angle	+20° / -20°
Lift device hydraulic	○
Lift height	600 mm
Dimensions (l x w)	1.200 x 1.050 mm
Height	1.750 - 1.970 mm
Weight	220 - 375 kg
Deadman all-wheel brake	■
Four-wheel steering	■
Charging port MagCode 12V	■
LED working lights	○
Integrated battery charger	○

**EASY HANDLING,
COMPACT STORAGE**

■ = Equipped as standard ○ = Optional

L80 II E CITY



Tilt device electrical	■
Tilt angle	+25° / -10°
Dimensions (l x w x h)	1.200 x 1.050 x 1.650 mm
Weight	220 kg / 270 kg
Deadman all-wheel brake	■
Four-wheel steering	■
LED working lights	○

The pushcart has a four-wheel steering and 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 II E CITY Q



Tilt device electrical	■
Tilt angle	+25° / -10°
Dimensions (l x w x h)	1.200 x 800 x 1.650 mm
Weight	215 kg
Deadman all-wheel brake	■
Four-wheel steering	■
Support device	■
LED working lights	○

Alternatively, the L80 II E11 can be positioned sideways on a pushcart in order to be transported place-savingly. 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, portable smoke blockers and the foam generator system FlexiFoam.