# LIMODOR

**Mono-Duct Ventilation Devices** 

# EINROHRLÜFTUNGSSYSTEM



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### **IMPRINT**

Editorial office: LIMOT Elektromotorenbauges.m.b.H & Co KG A - 4060 Leonding, Paschinger Straße 56 Tel.: +43(0)732 671356

Fax: +43(0)732 6713573 Email: office@limot.com www.limot.com

Responsible:

R.Haase

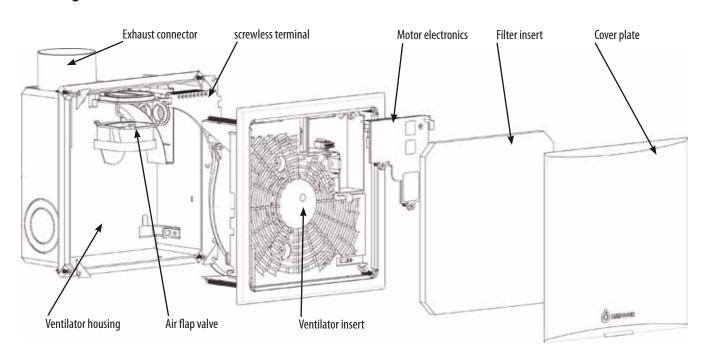
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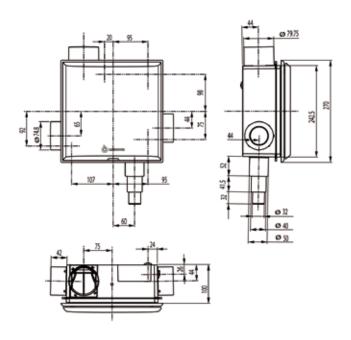
# **LIMODOR F Type M**

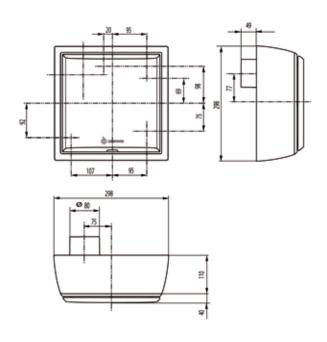
According to ÖNORM H 6036



### **LIMODOR F/M-UP** (flush-mounted design)

### **LIMODOR F/M-AP** (surface-mounted design)







**(€ IPX5** 











### Field of application

The installation-friendly LIMODOR ventilation device for room exhaustion is suitable for bathroom, WC, kitchen and living room installation and can be installed in wall or ceiling.

The device captivates with its versatile fields of application and its great saving of installation effort. The spring-loaded cover frame (housing lid), which forms a single unit with the ventilator insert, bridges installation depths up to 80mm and is installed without any tools. The device is available for flush-mounted or surface-mounted installation and can be equipped with a variety if ventilator inserts of 60, 100, 60/40, 100/60, 100/60/40 m³·h⁻¹, with or without time delay relay, humidity control, interval control, central control, etc. For additional exhaust locations left and right break-outs are available at the bottom of the housing for connecting a second room or WC bowl ventilation. The housing is available with exhaust connector top left or at the rear. With fire protection coating type BR, integrated maintenance-free fire protection flap FLI-VE<sub>(ho+ve)</sub> 90 type BR/BK or fire protection sleeve FLI<sub>(ho)</sub> 90 type BR/BM the ventilator is applicable according to state construction ordinance in fire protection (F90).

### Technical data LF/M-UP (flush-mounted)

### Technical data LF/M-AP (surface-mounted)

Motor: Capacitor motor (continuous run)

230 V~, 0,09 A, 11 W at 60  $\text{m}^3 \cdot \text{h}^{-1}$ 230 V~, 0,11 A, 24 W at 100  $\text{m}^3 \cdot \text{h}^{-1}$ 

230 V~, 0,11 A, 24 VV at 100 m<sup>s</sup>

Pressure differential: at 60 m³·h⁻¹ = 133 Pa

at 100 m<sup>3</sup>·h<sup>-1</sup> = 61 Pa

Housing lid: Plastic lid (Luran) forms a single unit

with ventilator insert

Housing: Plastic housing (Luran)

type LF/M-UP

Non-return flap: Integrated in housing and replaceab

le without tools.

Tightness at counter-pressure 50Pa

below 0,01 m<sup>3</sup>·h<sup>-1</sup>.

Exhaust air connector: Ø 80/75 mm top left. Sound pressure level: 32 dB(A) at 60 m³·h¹

38 dB(A) at 100 m<sup>3</sup>·h<sup>-1</sup>

Installation locations: All installation locations possible

(wall, ceiling, etc.)

Inspection report: MA 39-VFA 2001-0656.01

IBMB-3937/6250 IBMB-3670/3580 IBMB-3659/3570 Motor: Capacitor motor (continuous run)

230 V~, 0,09 A, 11 W at 60  $m^3 \cdot h^{-1}$ 

230 V~, 0,11 A, 24 W at 100 m<sup>3</sup>·h<sup>-1</sup>

Pressure differential: at 60 m<sup>3</sup>·h<sup>-1</sup> = 133 Pa

at 100 m<sup>3</sup>·h<sup>-1</sup> = 61 Pa

Housing lid: Plastic lid (Luran) forms a single unit

with ventilator insert

Housing: Plastic housing (Luran)

type LF/M-R.

Non-return flap: Integrated in housing and replaceab

le without tools.

Tightness at counter-pressure 50Pa

below 0,01 m<sup>3</sup>·h<sup>-1</sup>.

Exhaust air connector: Ø 80/75 mm top left to the rear.

Sound pressure level: 37 dB(A) at 60 m<sup>3</sup>·h<sup>-1</sup>

47 dB(A) at 100 m<sup>3</sup>·h<sup>-1</sup>

Installation locations: All installation locations possible

(wall, ceiling, etc.)

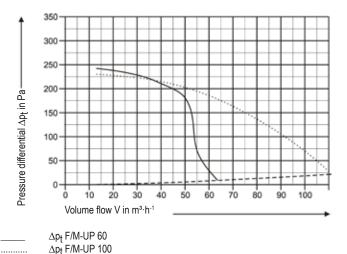
Inspection report: MA 39-VFA 2001-0656.02

### Possible housing versions with and without fire protection coating

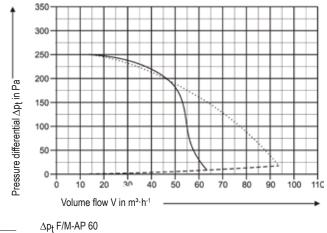
Housing LIMODOR F/M	Standard (plastic)	with fire protection for homogenous wells	with fire protection FLI-VE <sub>(HO+VE)</sub> 90	with fire protection FLI <sub>(HO)</sub> 90
Flush-mounted design				
Exhaust connector on side ø 80/75 mm	LF/M-UP	LF/M-UP/BR	-	-
Exhaust connector on side ø 80 mm	-	-	LF/M-UP/BR/BK	LF/M-UP/BR/BM
Exhaust connector rear ø 80/75 mm	LF/M-R	LF/M-R/BR	-	-
Exhaust connector on side ø 80 mm	-	-	LF/M-R/BR/BK	LF/M-R/BR/BM
Surface-mounted design				
Exhaust connector rear ø 80/75 mm	LF/M-R	LF/M-R	-	-
Exhaust connector rear ø 80 mm	-	-	LF/M-R/BK	LF/M-R/BM

### **Device Characteristics**

LIMODOR F/M-UP complete with 0.5m aluminum flexible duct Ø80mm with one 90° bend



LIMODOR F/M-AP complete with 0.5m aluminum flexible duct Ø80mm with one 90° bend



Δpt F/M-AP 100  $\Delta p_{dyn}$ 

## $\Delta p_{dyn}$ Electric connection

.....

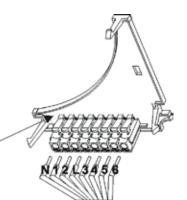
Electric connection through cable sleeve from side or rear on the ventilator housing. For installation the VDE 0100 and/or ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations (the device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used). The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized. screwless terminal

CAUTION! For partial load devices the light must always be switched with a 2-pole switch.

Ν

PE

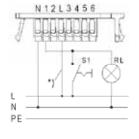
3



Connecting options

### Single-stage LIMODOR F/M

with/without control module C-NR, C-NR/7, C-FR or C-IV



= Phase ı

= Neutral = Earth

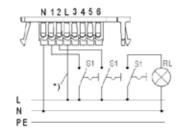
### Dual-stage

LIMODOR F/M with/without control module C-NR. C-NR/7. C-FR or C-IV

Base load stage permanent

N12L3456

Base load stage switched



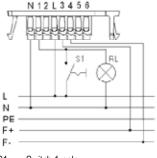
= Terminal full load 4 = Terminal central control F-

= Terminal base load = Reserved = Terminal central control F+

= Reserved

### LIMODOR F/M

with control module C-NR and central control module C-TZ



S1 = Switch 1-pole

S2 = Switch 2-pole

= Room lamp



\*)...this connection is only necessary when using a plug-in relay.

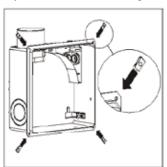
If the ventilation devices are activated in base load mode without control module (C-NR, C-NR/7, etc.), a TWO-POLE SWITCH is mandatory. Wrong connection causes destruction of the entire electronics.

# As Single-Room Or Two-Room Ventilator

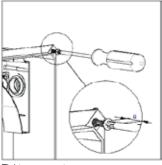
### Installation

Housing installation:

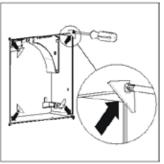
Dry wall installation or ceiling installation (flush-mounted installation) with installation set LF/M-MS



Attach quick fasteners on housing frame

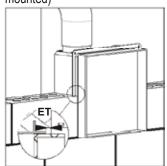


Tighten screws to a=plate thickness + 5mm.



Insert housing in cut out cover.
Attach corner brackets and secure

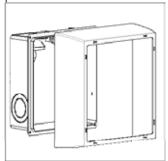
### Installation in brickwork (flushmounted)



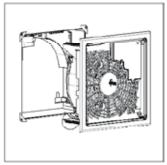
Ventilator housing not to protrude over brickwork (ET) = min 0 mm

### Completion

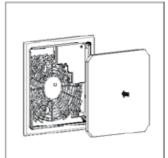
After completing the housing installation the plaster lid (flush-mounted installation) is removed and the ventilation device can be completed.



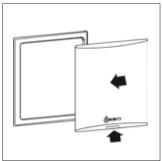
Surface-mounted frame (surface-mounted installation)



Press ventilator insert into housing



Insert filter



Attach cover plate

### Increase spring force of air flap valve

If the closing force of the return spring is not sufficient to completely close the Luran non return flap, e.g. if the exhaust connector is built-in perpendicular down, the closing force can be increased step by step. Also, with unfavorable installation of the roof hood and gusty winds a rattling noise from the flap is possible. In these cases we recommend to increase the return spring force. Ensure that the spring force is not increased unnecessarily, since the greater closing force also influences the blower characteristics.

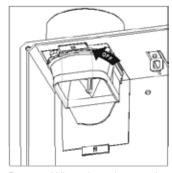
### Spring force setting:

**a1 on b1** lowest spring force (standard housing)

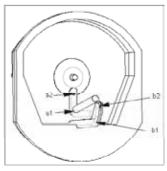
**a1 on b2** increased spring force (housing with horizontal exhaust connector)

a2 on b1 high spring force (rattling noise - wind)

a2 on b2 very high spring force (exhaust connector downward)



Remove middle section and remove air flap valve



Spring force setting for housing LF/M-UP a1 on b1

Spring for housing LF/M-R a1 on b2

# With A Variety Of Control Options

### Order data

order data	
Housing	
Housing LF/M-UP (Standard - flush-mounted)	21018
Housing LF/M-UP/BR (Fire protection housing - flush-mounted)	21020
Housing LF/M-UP/BR/BK (Fire protection housing FLI-VE(ho+ve)90 - flush-mounted)	21021
Housing LF/M-UP/BR/BM (Fire protection housing FLI <sub>(ho)</sub> 90 - flush-mounted)	21031
Housing LF/M-R/BR (Fire protection housing with connector at rear, flush-mounted)	21028
Housing LF/M-R/BR/BK (Fire protection housing with connector at rear FLI-VE(ho+ve)90, flush-mounted)	21026
Housing LF/M-R/BR/BM (Fire protection housing with connector at rear FLI <sub>(ho)</sub> 90, flush-mounted)	21032
Housing LF/M-R (Exhaust air connector rear, surface-mounted and flush-mounted)	21019
Housing LF/M-R/BK (Fire protection housing with connector at rear FLI-VE(ho+ve)90, surface-mounted)	21027
Housing LF/M-R/BM (Fire protection housing with connector at rear FLI(ho)90, surface-mounted)	21033
Surface-mounted frame LF/M-AR (housing cover for surface-mounted installation)	23005
Ventilator inserts	
Ventilator inserts LF/M 60	22004
Ventilator inserts LF/M 60-CNR (with time delay relay C-NR)	22008
Ventilator inserts LF/M 60-CNR/7 (with time delay relay C-NR/7)	22010
Ventilator inserts LF/M 60-CNR+C-BM (with time delay relay and motion detector C-BM)	22019
Ventilator inserts LF/M 60-CNR/7+C-BM (with time delay relay and motion detector C-BM)	22029
Ventilator inserts LF/M 60-CNR+C-FR2 (with time delay relay and humidity module C-FR2)	22039
Ventilator inserts LF/M 60-CNR/7+C-FR2 (with time delay relay and humidity module C-FR2)	22040
Ventilator inserts LF/M 60/40	22005
Ventilator inserts LF/M 60/40-CNR (with time delay relay C-NR)	22012
Ventilator inserts LF/M 60/40-CNR/7 (with time delay relay C-NR/7)	22014
Ventilator inserts LF/M 100	22006
Ventilator inserts LF/M 100-CNR (with time delay relay C-NR)	22009
Ventilator inserts LF/M 100-CNR/7 (with time delay relay C-NR/7)	22011
Ventilator inserts LF/M 100-CNR+C-BM (with time delay relay and motion detector C-BM)	22041
Ventilator inserts LF/M 100-CNR/7+C-BM (with time delay relay and motion detector C-BM)	22042
Ventilator inserts LF/M 100-CNR+C-FR2 (with time delay relay and humidity module C-FR2)	22043
Ventilator inserts LF/M 100-CNR/7+C-FR2 (with time delay relay and humidity module C-FR2)	22044
Ventilator inserts LF/M 100/40	22007
Ventilator inserts LF/M 100/40-CNR (with time delay relay C-NR)	22013
Ventilator inserts LF/M 100/40-CNR/7 (with time delay relay C-NR/7)	22015
Ventilator inserts LF/M 100/60/40	22016
Controllers	FF000
Time delay relay C-NR adjustable	55020
Time delay relay C-NR/7 fixed delay time 6 minutes	55023
Interval module C-IV (only in connection with time delay relay)	55021
Motion module C-BM (only in connection with time delay relay)	55028
Humidity module C-FR2 (only in connection with time delay relay)	55025
Central control module C-TZ (only in connection with time delay relay)	55024
Radio switch set LF/M-FSS	55026

# LIMODOR F/M

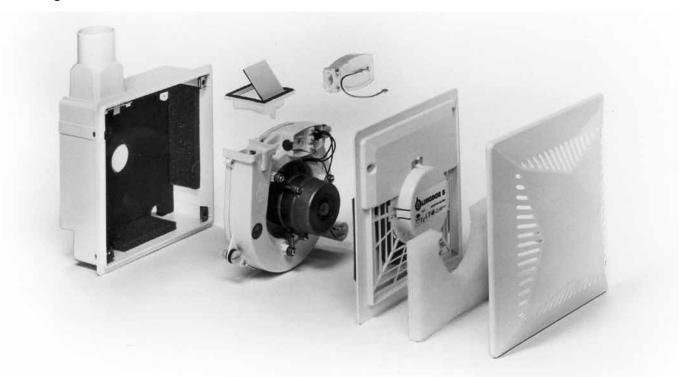
# Other Accessories

Surface mounting set LF/M-AP (exhaust bend LF/M-R and surface-mounted frame LF/M-AR)	23002
Adjustment frame LV1 (to cover plaster edge)	25009
Modification set LF/M-R (exhaust bend for rear exhaust - housing R)	23003
Modification set LF/M-S (exhaust bend for side exhaust - housing standard)	23004
Installation fixture MB for well installation	27001
Installation set LF/M-MS for dry walling and ceiling installation	25001
WC extraction connector WS Ø 50/40/30	56010
Extraction connector AS Ø75 (for 2nd room connection)	56011
Filter tray LFWR (2nd room connection with airflow control)	56002
Filter tray LFWO (2nd room connection without airflow control)	56003
Spare parts	
Filter insert LF/M 238/238 mm	60009
Filter insert LF/M 5-pack	60059
Filter insert LF/M 10-pack	60109
Exchange blower LF/M 60	22050
Exchange blower LF/M 60/40	22053
Exchange blower LF/M 100	22054
Exchange blower LF/M 100/40	22055
Million Country 10 and	50040
Mains terminal 6-pole	56013
Cover plate LF/M premium (standard)	23015
Cover plate LF/M (plug)	23011
Cover plate LF/M smooth	23014
Cover plate LF/M smooth	23016

<sup>\*)</sup>Detailed information regarding die accessories you find in the LIMODOR – accessories catalog

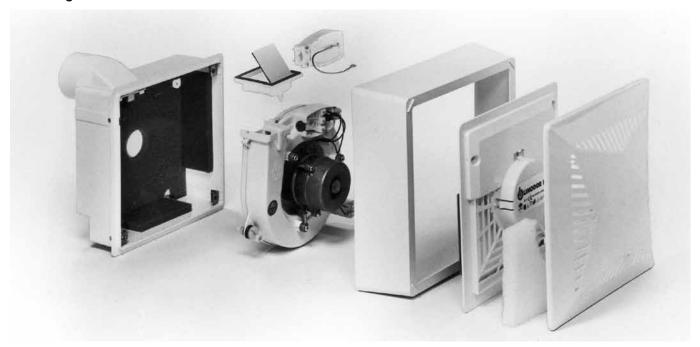
# **LIMODOR B-UP**

according to ÖNORM H 6036



# **LIMODOR B-AP**

according to ÖNORM H 6036















### Field of application

The series LIMODOR B devices are suitable for bathroom and WC ventilation; due to their installation depth of only 80mm they are particularly suitable for installation in slim internal partitions.

With fire protection coating type BR, integrated maintenance-free fire protection flap FLI-VE (ho+ve) 90 type BR/BK or fire protection sleeve FLI (ho) 90 type BR/BM the ventilator can be used according to state construction ordinance in fire covers (F90).

### **Technical data LB-AP** (Surface-mounted design)

### Motor: Capacitor motor (continuous run)

230 V~, 0,095 A, 21 W

Rated volume flow: 60 m³·h¹¹
Pressure differential: 59 Pa

Housing lid: Plastic lid (Luran) with easily ex

changeable filter insert

Housing (Standard): Plastic housing (Luran) with foam

insert to prevent telephony and structure-borne noise transmission

type LB-R.

Non-return flap: Integrated in housing and easily

exchangeable. Tightness at counterpressure 50Pa below  $0,01~\text{m}^3\cdot\text{h}^{-1}$ .

Exhaust air connector: Ø 63 mm top left to the rear. Sound pressure level: 45 dB(A) according to

ÖNORM S 5031

Installation locations: All installation locations possible

(wall, ceiling, etc.)

Inspection report: MA 39-F1715/88

### Technical data LB-UP (Flush-mounted design)

Motor: Capacitor motor (continuous run)

230 V~, 0,095 A, 21 W

Rated volume flow: 60 m³·h⁻¹ 78 Pa

Exhaust air connector:

Housing lid: Plastic lid (Luran) with easily ex

changeable filter insert

Housing (Standard): Plastic housing (Luran) with foam

insert to prevent telephony and structure-borne noise transmission

type LB-UP.

Non-return flap: Integrated in housing and easily

exchangeable. Tightness at counterpressure 50Pa below 0,01 m³·h⁻¹.

Ø 50 mm top left

Sound pressure level: 44 dB(A) according to ÖNORM S 5031

Installation locations: All installation locations possible

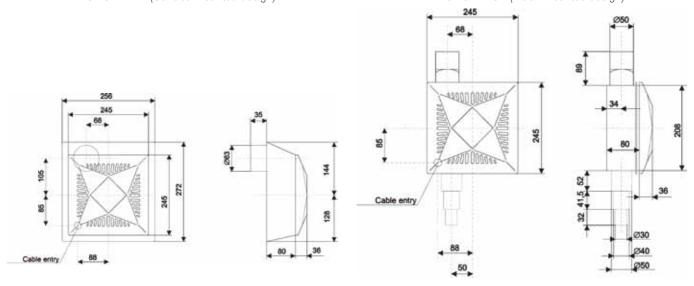
(wall, ceiling, etc.)

Inspection report: MA 39-F1348/90 und F345/88

### **Dimensions:**

LIMODOR B-AP (Surface-mounted design)

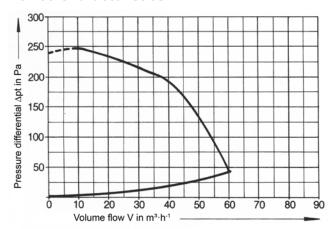
### LIMODOR B-UP (Flush-mounted design)



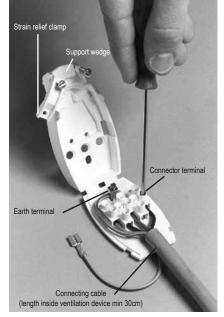
### Housing options with and without fire protection coating

Housing LIMODOR B	Standard (plastic)	with fire protection for homogenous wells	with fire protection FLI-VE <sub>(HO+VE)</sub> 90	with fire protection FLI <sub>(HO)</sub> 90
Exhaust connector on side ø 50 mm	LB-UP (Flush-mounted)	LB-UP/BR (Flush-mounted)	-	
Exhaust connector on side ø 80 mm	-	-	LB-UP/BR/BK (Flush-mounted)	LB-UP/BR/BM (Flush-mounted)
Exhaust connector at rear ø 63 mm	LB-R (Flush-mounted) LB-R (Surface-mounted)	LB-R/BR (Flush-mounted) LB-R (Surface-mounted)	- LB-R (Surface-mounted) + BK80	- LB-R (Surface-mounted) + BM80

### **Device Characteristics**



LIMODOR B/UP complete with 0.5m aluminum flexible duct Ø50mm with one 90° bend

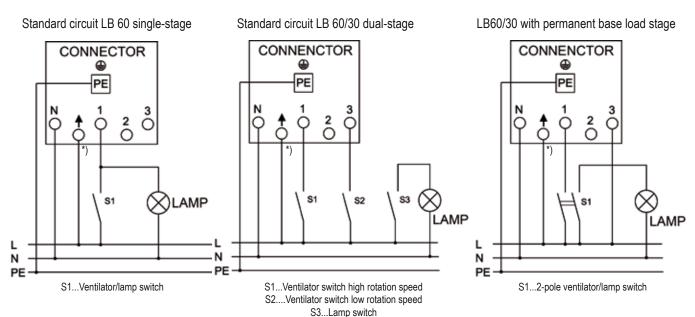


Connect cable according to diagram below.

### Electric connection

Electric connection via self-sealing grommet. For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.

### Connecting options



 $<sup>\</sup>ensuremath{^{\star}}\xspace$  ) This connection is only necessary when using a plug-in relay.

# Flat Device With A Variety Of Control

### Installation

Surface-mounted installation





In case the wall opening is larger than the exhaust air connector (Ø63mm), seal

Insert the connecting cable to the housing, seal the exhaust air connector with silicone in the exhaust opening and secure the housing on the wall. Plug the connecting cable to the terminal.

### Flush-mounted installation

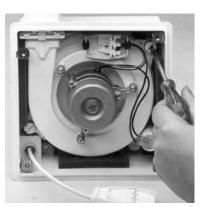


Connect the exhaust air connector to the exhaust air duct and insert the electric cable into the housing. Place the plaster lid on the housing and plaster the housing flash into the brickwork. After completing painting and tiling works remove the plaster lid and connect the cable to the plug.

### Blower insert installation



First press the blower on top and then at the bottom against the rear wall of the housing.



Slightly tighten the blower bolt clockwise.



Press on the plug connector and connect earth to the lug.

### Lid installation

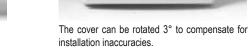


Attach housing lid, align horizontally and secure.



Insert filter and attach cover plate.





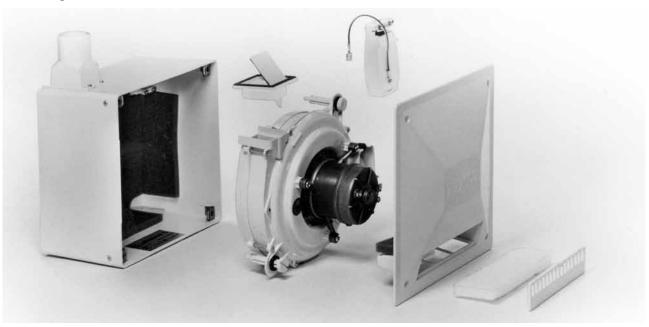
<sup>\*)</sup> Figure shows series B LIMODOR ventilation device with design lid – blower insert 52021 or 52022.

### Order data

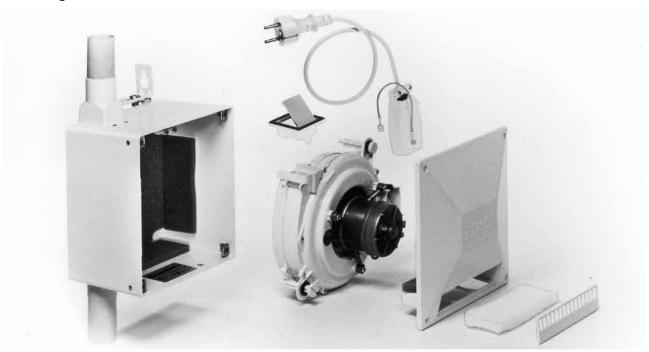
Housing Housing LB-UP (Standard - flush-mounted) Housing LB-UP/BR (Fire protection housing - flush-mounted) Housing LB-UP/BR/BK (Fire protection housing FLI-VE <sub>(HO+VE)</sub> 90 - flush-mounted) Housing LB-UP/BR/BM (Fire protection housing FLI <sub>(HO)</sub> 90 - flush-mounted)	51001 51004 51006 51005
Housing LB-R (Exhaust air connector rear, surface-mounted and flush-mounted) Surface-mounted frame LB-AR (housing cover for surface-mounted installation)	51002 53004
Ventilator inserts  Blower insert LB 60 (incl. housing lid)  Blower insert LB 60 Design (incl. design housing lid)  Blower insert LB 60/30 (Volume flow 60/30 m³·h⁻¹ dual-stage; incl. housing lid)  Blower insert LB 60/30 Design (dual-stage; incl. design housing lid)	52010 52021 52011 52022
Controllers  Time delay relay SNR-EAV adjustable Time delay relay SNR fixed delay time 7 minutes Time delay relay SNR-E90 fixed delay time 7 minutes, on delay time 90 sec Interval delay relay SINR Humidity relay SFR	55005 55006 55012 55010 55011
Other Accessories Installation fixture MB for well installation WC extraction connector WS Ø 50/40/30	27001 56010
Spare parts Filter insert LB 190/115 mm Filter insert LB 5-pack Filter insert LB 10-pack	60002 60052 60102
Exchange blower LB 60 Exchange blower LB 60/30	52001 52501
Plug connector GSK Housing lid LB Housing lid LB-Design	56012 53009 53002

<sup>\*)</sup>Detailed information regarding die accessories you find in the LIMODOR – accessories catalog

# LIMODOR C Type E according to ÖNORM H 6036



# LIMODOR C Type E-30 according to ÖNORM H 6036



**€** IPX4









### Field of application LC/E

LIMODOR C/E is a WC bowl exhaustion device with additional room ventilation through the housing lid. The device is available for surface-mounted or flush-mounted installation as well as exchange for small blowers. The special feature of this device is the available high pressure, which allows sufficient WC ventilation even with small ducting.

### Field of application LC/E-AP30

As special design (type C/E-AP30) the device is used to exchange the WC small blower types EUOSMON and/or GERUCHEX with the advantage of additional room extraction. This device fits exactly between the two bends protruding from the wall (ø30mm) and it is equipped with a pluggable cable for direct connection.

### Technical data

Motor: Shaded pole motor (continuous run)

230 V~, 0,33 A, 45 W

Rated volume flow: 45 m³·h⁻¹ Pressure differential: 155 Pa

Housing lid: Plastic lid (Luran) with easily ex

changeable filter insert

Housing: Plastic housing (Luran) with foam

insert to prevent telephony and structure-borne noise transmission.

Non-return flap: Integrated in housing and easily exchangeable. Tightness at counter-

pressure 50Pa below 0,01 m<sup>3</sup>·h<sup>-1</sup>

Exhaust air connector: Ø 40 mm top left

Extraction connector: Ø 50/40/30 mm bottom left
Installation locations: All installation locations possible

(wall, ceiling, etc.)

Motor: Shaded pole motor (continuous run)

230 V~, 0,33 A, 45 W

Rated volume flow: 40 m<sup>3</sup>·h<sup>-1</sup>
Pressure differential: 155 Pa

Housing lid: Plastic lid (Luran) with easily ex

changeable filter insert

Housing: Plastic housing (Luran) with foam

insert to prevent telephony and structure-borne noise transmission

Non-return flap: IIntegrated in housing and easily

exchangeable. Tightness at counter-

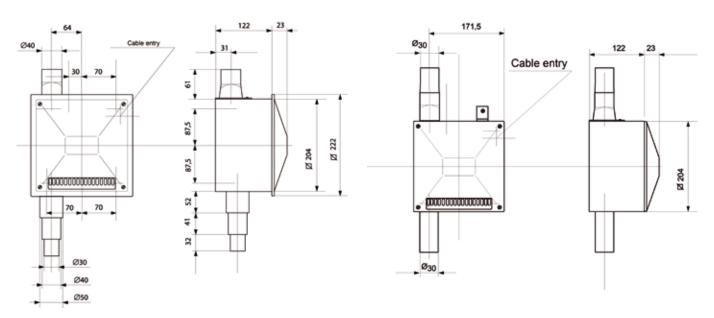
pressure 50Pa below 0,01 m<sup>3</sup>·h<sup>-1</sup>

Exhaust air connector: Ø 30 mm top left
Extraction connector: Ø 30 mm bottom left

Installation locations: All installation locations possible

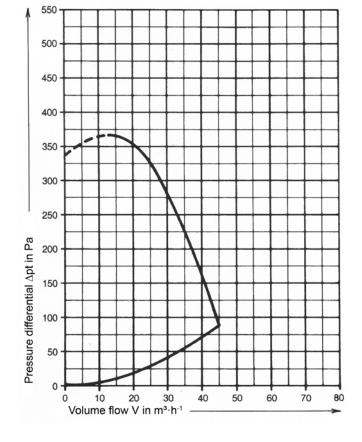
(wall, ceiling, etc.)

### **Dimensions**



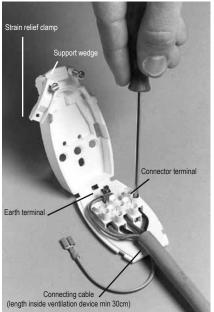
### **Device Characteristics**

LIMODOR C/E-UP with 0.5m aluminum flexible ducting  $\emptyset$ 40mm, with one 90° bend.



### Electric connection

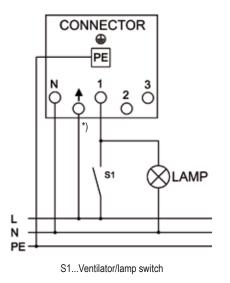
Electric connection via self-sealing grommet. For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.



Connect cable according to diagram below.

### Connecting options

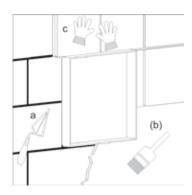
### Standard circuit LC



\*)...this connection is only necessary when using a plug-in relay.

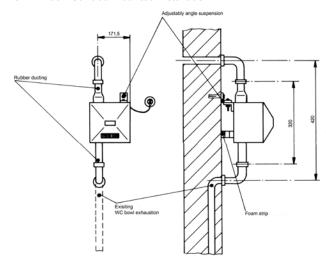
### Installation

Flush-mounted installation



Connect the exhaust air connector to the exhaust air duct and insert the electric cable into the housing. Place the plaster lid on the housing and plaster the housing flash into the brickwork. After completing painting and tiling works remove the plaster lid and connect the cable to the plug.

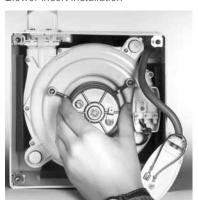
### LC/E-AP30 - Surface-mounted installation



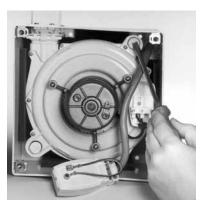
Secure the installation bracket on the wall and support the housing with the supplied self-adhesive foam strip on the wall.

The normal duct bend distance for WC small blowers of approx. 330mm is adjusted with the supplied rubber tubes.

### Blower insert installation



First press the blower on top and then at the bottom against the rear wall of the housing.



Slightly tighten the blower bolt clockwise.



Press on the plug connector and connect earth to the lug.

### Lid installation



Attach housing lid and align horizontally.



Tighten housing lid



and check filter for contamination through construction work.

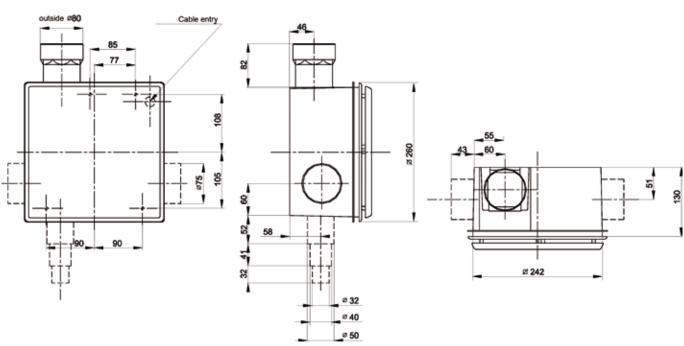
### Order data

Devices LIMODOR C/E-UP (complete) LIMODOR C/E-AP (complete) LIMODOR C/E-AP30 (complete)	10011 10003 10001
Controllers  Time delay relay SNR-EAV adjustable Time delay relay SNR fixed delay time 7 minutes Time delay relay SNR-E90 fixed delay time 7 minutes, on delay time 90 sec Interval delay relay SINR	55005 55006 55012 55010
Other Accessories Installation fixture MB for well installation WC extraction connector WS Ø 50/40/30	27001 56010
Spare parts Filter insert LC 135/50 mm Filter insert LC 5-pack Filter insert LC 10-pack	60003 60053 60103
Exchange blower LC/E	12003
Housing lid LC/E-UP Housing lid C/E-AP Plug connector GSK	13009 13001 56012

 $<sup>\ ^{\</sup>star}) Detailed information regarding die accessories you find in the LIMODOR - accessories catalog$ 

# **LIMODOR F Type E**















### Field of application

LIMODOR F/E is a device for room extraction with the option to connect up to 2 additional rooms the via filter trays (types LFWR or LFWO). It is only available in flush-mounted design and is suitable for kitchens, waiting rooms and rows of WCs.

### Technical data

Motor: Capacitor motor (continuous run)

230 V~, 0,25 A, 55 W

Rated volume flow: 155 m³·h¹ Pressure differential: 80 Pa

Housing lid: Plastic lid (Luran) with easily exchangeable filter insert

Housing: Plastic housing (Luran) with foam insert to prevent telephony and structure-borne noise transmission.

Non-return flap: Integrated in housing and easily exchangeable. Tightness at counter-pressure 50Pa below 0,01 m³·h¹.

Exhaust air connector: Ø 80 mm top left to the rear.

Sound pressure level: 55 dB(A) according to ÖNORM S 5031

Installation locations: All installation locations possible (wall, ceiling, etc.)

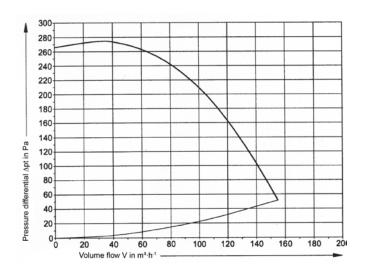
Inspection report: MA 39-F716/92

### **Device Characteristics**

LIMODOR F/E-UP complete with 0.5m aluminum flexible duct  $\emptyset 80 \text{mm}$  with one 90° bend

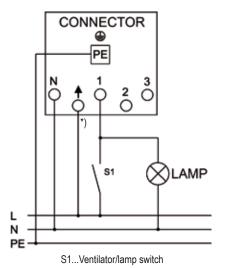
### Electric connection

Electric connection via self-sealing grommet. For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.

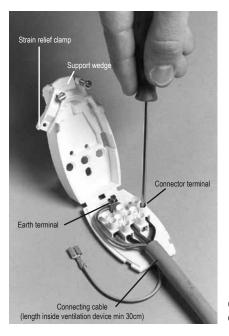


Connecting options

## Standard circuit LF/E



\*)...this connection is only necessary when using a plug-in relay.



Connect cable according to diagram below.

### Installation

Flush-mounted installation



Connect the exhaust air connector to the exhaust air duct and insert the electric cable into the housing. Place the plaster lid on the housing and plaster the housing flash into the brickwork. After completing painting and tiling works remove the plaster lid and connect the cable to the plug.

### Blower insert installation



First press the blower on top and then at the bottom against the rear wall of the housing.



Slightly tighten the blower bolt clockwise.



Press on the plug connector and connect earth to the lug.

### Lid installation

The internal regulator plate serves the airflow control or the 2nd room connections for regulating the air volume ratio between the exhaustion locations.



Press down the regulator plate.



Attach housing lid, align horizontally and secure.



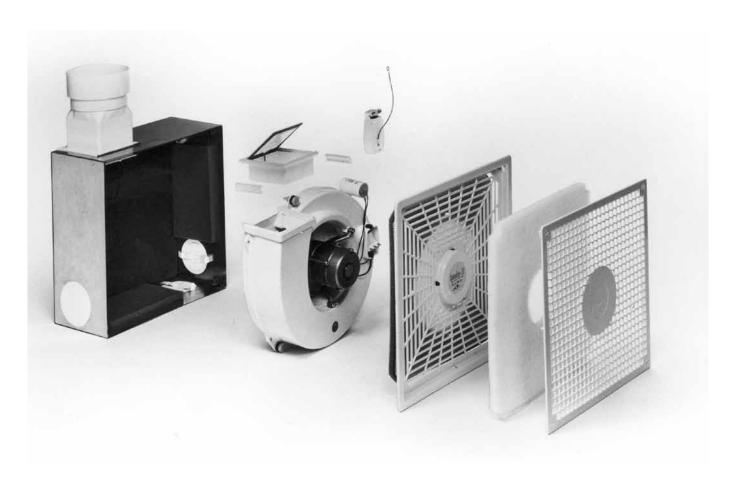
Insert filter and attach cover plate.

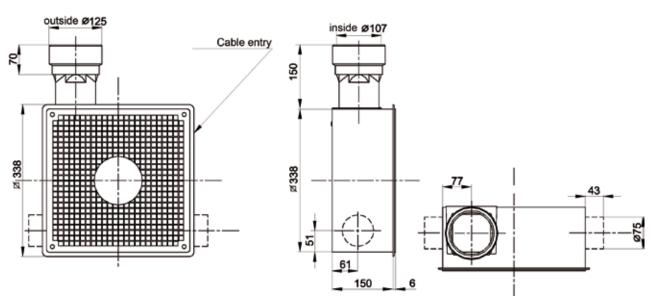
### Order data

Housing Housing LIMODOR F/E (Standard - flush-mounted) Housing LIMODOR F/E-BR (Fire protection housing - flush-mounted)	21004 21005
Ventilator inserts Blower insert LF/E 150 incl. housing lid	22056
Controllers Time delay relay SNR-EAV adjustable Time delay relay SNR fixed delay time 7 minutes Time delay relay SNR-E90 fixed delay time 7 minutes, on delay time 90 sec Interval delay relay SINR Humidity relay SFR	55005 55006 55012 55010 55011
Installation fixture MB for well installation Front frame LV (to reduce installation depth up to 4cm) Adjusting frame LV1 (to cover the plaster edge) Extraction connector AS Ø 75 (for 2nd room connection) Filter tray LFWR (2nd room connection with airflow control) Filter tray LFWO (2nd room connection without airflow control)	27001 25008 25009 56011 56002 56003
Spare parts Filter insert LF 226/226 mm Filter insert LF 5-pack Filter insert LF 10-pack	60005 60055 60105
Exchange blower LF/E	22003
Housing lid LF/E-UP Plug connector GSK	23020 56012

<sup>\*)</sup>Detailed information regarding die accessories you find in the LIMODOR – accessories catalog

# **LIMODOR W Type A**







IPX4









### Field of application

LIMODOR W/A is a device for room extraction with the option to connect up to 3 additional rooms the via filter trays (Type FW). Only available in flush-mount design and suitable for public WCs, kitchens, single-family houses, laboratories, saunas, hobby, fitness, guest and exhibition rooms.

With closed front cover (LIMODOR W/AK) it can also be used as central ventilation device.

### Technical data

Motor: Capacitor motor (continuous run)

230 V~, 0,4 A, 80 W

Rated volume flow: 300 m<sup>3</sup>·h<sup>-1</sup>
Pressure differential: 88 Pa

Housing lid: Plastic lid (Luran) with easily exchangeable filter insert or metal lid (aluminum) for use as central ventilation

device.

Housing: Metal housing (galvanized) with foam insert to prevent telephony and structure-borne sound transmission.

Non-return flap: Integrated in housing and easily exchangeable. Tightness at counter-pressure 50Pa below 0,05 m³-h¹.

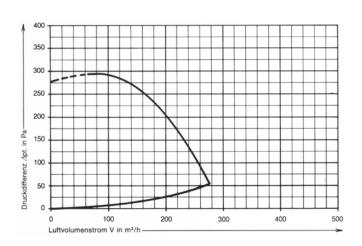
Exhaust air connector: Ø 100/125 mm links top left, inner Ø 107 mm Installation locations: All installation locations possible (wall, ceiling, etc.)

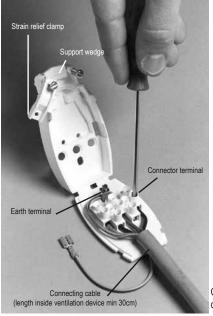
### **Device Characteristics**

LIMODOR Einzellüfter W/A complete with 0.5m aluminum flexible duct Ø100mm with one 90° bend

### Electric connection

Electric connection via self-sealing grommet. For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.

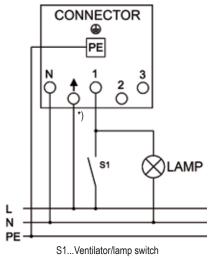




Connect cable according to diagram below.

### Connecting options

### Standard circuit LW

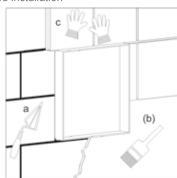


\*) .....this connection is only necessary when using a plug-in relay.

# Suitable As Central Device

### Installation

Flush-mounted installation



Connect the exhaust air connector to the exhaust air duct and insert the electric cable into the housing. Place the plaster lid on the housing and plaster the housing flash into the brickwork. After completing painting and tiling works remove the plaster lid and connect the cable to the plug.

Blower insert installation



First press the blower on top and then at the bottom against the rear wall of the housing.



Slightly tighten the blower bolt clockwise.



Press on the plug connector and connect earth to the lug.

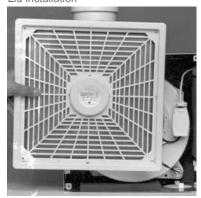
### Regulator plate



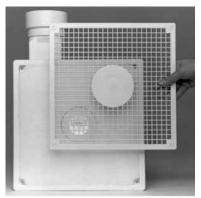
For regulating the delivery volume ratios between housing lid and up to three additional exhaust locations.

### additional break out Delivery volume in % of total volume exhaust locations rings lid left right rear all 100 none 74 26 one two 72 28 two 72 28 two 19 21 two one 60 21 one 60 19 20 one 60 20 three 35 23 22 none 20

### Lid installation



Attach and secure housing lid.



Insert filter and attach cover plate.



Slightly tighten clamping bolt clockwise.

### Order data

Devices LIMODOR W/A-UP (complete) LIMODOR W/AK (Central device with metal cover - complete)	40001 40002
Time delay relay SNR-EAV adjustable Time delay relay SNR fixed delay time 7 minutes Time delay relay SNR-E90 fixed delay time 7 minutes, on delay time 90 sec Interval delay relay SINR Rotation speed regulator LDR (only in connection with ballast) Ballast DR-WA Central control module SZE	55005 55006 55012 55010 55001 46001 55014
Other Accessories Installation fixture MB for well installation Extraction connector AS Ø 75 (for 2nd room connection) Filter tray LFWR (2nd room connection with airflow control) Filter tray LFWO (2nd room connection without airflow control)	27001 56011 56002 56003
Spare parts Filter insert LW 325/325 mm Filter insert LW 5-pack Filter insert LW 10-pack	60007 60057 60107
Exchange blower LW/A	42001
Housing lid LF/E-UP Plug connector GSK	23020 56012

<sup>\*)</sup>Detailed information regarding die accessories you find in the LIMODOR – accessories catalog

# **Important Tips**

### Filter Maintenance

The covers of all LIMODOR ventilation device types are equipped with air filter inserts, which must be checked and cleaned in regular intervals. No tools are necessary to check, clean or exchange these filters.

Remove the covers from the device to remove the filter. The filters can be cleaned with water and dishwashing liquid. The filter must be replaced if it starts to disintegrate after several washes. To ensure properly working ventilation and to protect the device from damages the air filter should be checked every 2 months and should annually be replaced.









Remove cover

Remove contaminated filter

Replace cleaned/exchanged filter

Press down cover

### Maintenance

All LIMODOR ventilation devices are equipped with maintenance-free capacitor motors running for continuous operation on ball bearing. LIMODOR ventilation devices are maintenance-free, except filter checks and cleaning.

In case of increase sound level of the ventilator the filter insert is generally contaminated. If the sound level does not increase after cleaning/replacing the filter, check the exhaust air duct for restrictions due to contamination. Remove the LIMODOR ventilator insert from the box and check the air flap valve in the exhaust connector for free movement (slightly press with finger). If the non-return flap works properly it can easily be removed from the box without tools (see installation instructions of respective LIMODOR type) and the exhaust air duct can be checked for obstructions.

### Warranty

LIMOT grants for all LIMODOR ventilation devices 5 years warranty from the date of purchase (see warranty conditions in LIMODOR pricelist).

LIMOT has a proven exchange procedure for defective ventilation devices if the device shows defects after the warranty period. LIMOT also grants a warranty for LIMODOR ventilation devices, spare parts and blower inserts which were taken out of the product range more than 20 years ago.

# ENTER 100 (Art.Nr.: 70011) ENTER 125 (Art.Nr.: 70025)

In-Duct-Ventilator

### Technical data (ENTER 100)

Rated volume flow 100 m³·h¹ (190 m³·h¹)
Static pressure 38 Pa (59 Pa)

Sound pressure level 40 dB(A)

Current 230 V, 50 Hz, 0.08 A (0,1A), 13 W (17 W)

Rated rotation speed 2450 rpm
Protection class IPX4
Bearing type ball bearings

### Technical data (ENTER 125)

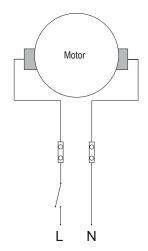
Rated volume flow 190 m³·h¹¹
Static pressure 59 Pa
Sound pressure level 38 dB(A)

Current 230 V, 50 Hz, 0,1A, 17 W

Rated rotation speed 2450 rpm
Protection class IPX4
Bearing type ball bearings

### Electric connection

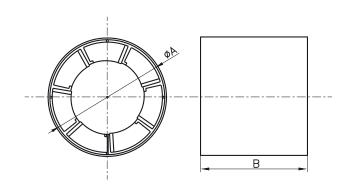
For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.







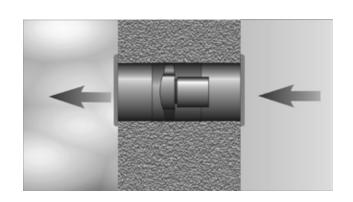
### **Dimensions**



	Α	В
ENTER 100	98	91
ENTER 125	123	92

### Installation

Ensure that the ducting is as short as possible and unnecessary bends are avoided. Best results are achieved if the exhaust opening (facade) is not pointing into the main wind direction. Ensure that condensate on the exterior cover can freely drain.



# PRIMO base 100A

(Art.Nr.: 70010) Axial ventilator with closing element

# PRIMO base 100AT

(Art.Nr. 70014) Axial ventilator with closing element and time delay control

# PRIMO base 100AH

(Art.Nr. 70014) Axial ventilator with closing element and time delay control and humidity switch

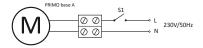
### Technical data

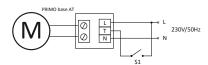
Rated volume flow 95 m³-h¹
Static pressure 37 Pa
Exhaust air connector 50und pressure level 41 dB(A)

Current 230 V, 50 Hz, 0.08 A, 13 W

### Electric connection

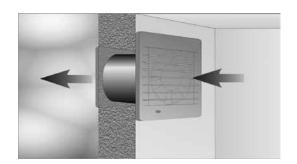
For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.





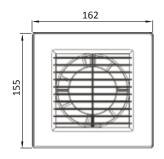
### Installation

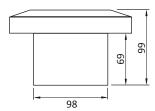
Ensure that the ducting is as short as possible and unnecessary bends are avoided. Best results are achieved if the exhaust opening (facade) is not pointing into the main wind direction. Ensure that condensate on the exterior cover can freely drain.





### **Dimensions**





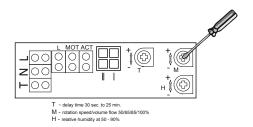
### **Delay time**

The delay time is set by means of potentiometer (on the board marked with clock icon) between approx. 30 seconds to approx. 25 minutes.

The on humidity (relative humidity) can be set from 50 - 90%.

### **CAUTION!**

Only set delay time and on humidity with de-energized electronics.



(Art.Nr.:70012)
Duct ventilator in plastic design

### Technical data

Rated volume flow 145/187 m³·h¹¹
Static pressure 60/72 Pa
Exhaust air connector 100 mm

Current 230 V, 50 Hz, 0.12/0.2 A, 21/33 W

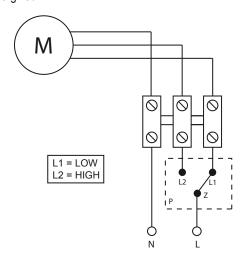
Rated rotation speed 2450/2500 rpm

Protection class IPX4
Bearing type ball bearings

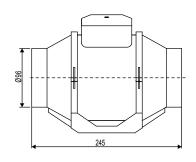


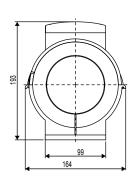
### **Electric connection**

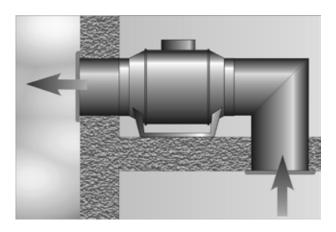
For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.



### **Dimensions**







### Installation

Ensure that the ducting is as short as possible and unnecessary bends are avoided. Best results are achieved if the exhaust opening (facade) is not pointing into the main wind direction. Ensure that condensate on the exterior cover can freely drain.



# erent Installation Situations

**VPR** (Art.Nr.: 70013 - WK100, 70015 - WK125,

70016 - WK150, 70017 - WK200,

70018 - WK250, 70019 - WK315)

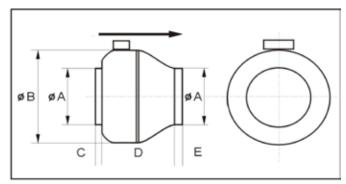
Duct Ventilator In Metal Design



### Technical data

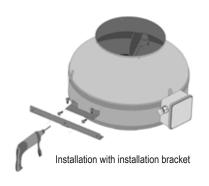
TYPE	100	125	150	200	250	315
Rated volume flow [m³·h⁻¹]	290	380	485	1200	1530	1820
Static pressure [Pa]	440	405	320	520	600	620
Exhaust air/connector [mm]	Ø 100	Ø 125	Ø 150	Ø 200	Ø 250	Ø 315
Sound pressure level [dB(A)]	62	62	62	72	75	76
Current [V/Hz]	230/50	230/50	230/50	230/50	230/50	230/50
Power consumption [W]	72	72	72	150	170	234
Rated rotation speed [U/min]	2330	2330	2330	2600	2650	2650
Protection class	IP44	IP44	IP44	IP44	IP44	IP44

### **Dimensions**



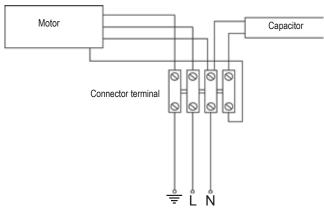
Model	Α	В	С	D	E
VPR 100	100	242	25	142	25
VPR 125	124	242	25	142	25
VPR 150	148	341	25	142	25
VPR 200	198	341	25	180	25
VPR 250	248	344	30	195	30
VPR 315	315	402	30	195	30

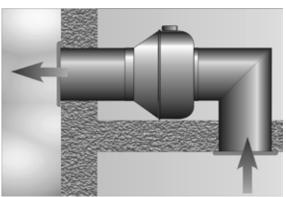
### Installation



### Electric connection

For installation the ÖVE - EN 1 regulations are to be observed, in addition local EVU regulations apply. The device must be detachable with all poles from mains power supply, meaning that either two-pole fuses or for single-pole protection a 2-pole switch with minimum contact gap 3mm is to be used. The connection is only to be carried out by an electrician. Before removing the ventilator insert the device must be de-energized.





# BINIROHIRLÜIFTUNGSSYSTEM





# **Head office:**

LIMOT Elektromotorenbauges.m.b.H & Co KG

Paschinger Straße 56, A - 4060 Leonding Phone: +43 (0)732 67 13 56 Fax: +43 (0)732 67 13 573 Email: office@limot.com

### **Sales branch Vienna:**

Prechtlgasse 9, A - 1090 Wien Phone: +43 (0)1 408 28 72 Fax: +43 (0)1 408 28 72 55 Email: office.wien@limot.com