

Mini fans of highest quality. Design and performance of the MiniVent® M1/100 sets the standard for the mini fans

The excellent design of the MiniVent® M1/100 blends in everywhere beautifully. The compact and attractively designed facia shields the view of the fan interior completely.

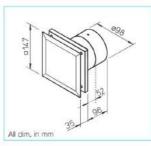
All M1/100 models are supplied with 2 speeds and with airtight back draught shutter as standard.

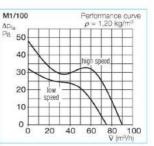
The noise level is extremely low due to Helios ultraSilence® technology.

Available with interval function, overrun timer or automatic function like motion sensor or humidity controlled operation. This responds with intelligent electronics and prevents development of mildew effectively.

Suitable for all ventilation applications in bathrooms, toilets and other small rooms.





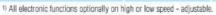


Features

- Lowest power consumption of only 5 Watt at vol. = 75 m³/h.
- Extremely quiet due to the ultraSilence® technology; just 25 dB(A)* at vol. = 75 m3/h.
- ☐ Pressure capacity: 60 m³/h air flow rate at 31 Pa resistance. 90 m³/h free discharge, ΔP max. 45 Pa.
- ☐ Where space is limited the guide vane of M1/100 can be simply removed. Thus reducing the installation depth to 52 from 96
- Compact dimensions for flush mounted installation in walls, shafts or ceilings with nominal dia. 100 mm.

- ☐ All components made from high quality white polymers.
- ☐ The motor design and ball bearings are selected for long-term durability, steady performance and lifelong operational reliability.
- ☐ Motor supplied with thermal overload protection, providing maintenance and trouble-free, continuous operation.
- ☐ Suitable for use in zone 1 of bathrooms according to DIN VDE 0100-701.
- ☐ The electrical supply cables to the unit may be recessed or surface mounted.
- Practical guick assembly using the push on cable connectors for the electrical connection.

Туре	M1/100	M1/100 N/C	M1/100 F	M1/100 P
Ref. no.	6171	6172	6175	6174
Model	Standard model equipped with two speeds	As M1/100, with adjustable overrun and interval timer ⁽¹⁾	As M1/100, with automatic humidity control ⁽¹⁾	As M1/100, with PRI motion sensor ¹⁾
Run on time, min. optionally on high or low speed	-	6, 10 15, 21 adjustable	6, 12 18, 24 adjustable ³⁾	6
Interval operation, hrs. optionally on high or low speed	-	0, 8, 12, 24 adjustable	-	_
Delayed start, approx. sec.	_	0, 45, 90, 120	0 or 45 ³⁾	
Back draught shutter, mech., remov.	Yes	Yes	Yes	Yes
Air flow volume (FID) m ³ /h	90 / 75	90 / 75	90 / 75	90 / 75
Impeller Ø mm	92	92	92	92
R.P.M. min ⁻¹	2650 / 2250	2650 / 2250	2650 / 2250	2650 / 2250
Voltage/Frequency 50 Hz	230 V	230 V	230 V	230 V
Power consumption W	9/5	9/5	9/5	9/5
Rated current A	0.06 / 0.04	0.06 / 0.04	0.06 / 0.04	0.06 / 0.04
Sound pressure level dB(A) in 3 m ²⁾	30 / 25	30 / 25	30 / 25	30 / 25
Wiring diagram no.	915	.917	919	918
Electrical power supply NYM-0 in mm ²	3 x 1,5	4 x 1,5	4 x 1,5	3 x 1,5
Protection cat. II, protection	IP 45	IP 45	IP 45	IP 45
Max. air flow temperature	+40 °C	+40 °C	+40 °C	+40 °C
Weight approx. kg	0,80	0,80	0,80	0,80
		1923/12/11/20		



⁴⁾ Limit value 60, 70, 80, 90% adjustable.



²⁾ Freefield conditions.

³⁾ With manual operation.

Nice and clean

Since every fan gets dirty sooner or later, the M1 facia was designed in a way that air flows in on all sides. The design of the facia elegantly avoids the internal view of the fan opening, even when dirty,

M1 blends harmoniously into any environment. The smoothsurfaced facade always remains easy to maintain and clean.

■ Intelligent humidity control The humidity control of the M1/100 F starts the fan automatically with increase of humidity. The fan operates until the humidity is reduced below the set point. With constantly high humidity the fan changes into a defined interval operation.



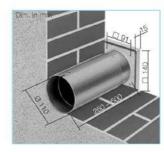
Wall mounting kit Type WES 100 Ref. no. 0717

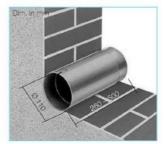
Two telescopic polymer sleeves guide the air through cavity walls and serve as wall liners. Outside wall termination possible in two ways:

a) Three bladed automatic back draught louvre shutter.

b) Fixed grille. All parts made of high quality polymer.

Telescopic wall sleeve Type TWH 100 Ref. no. 6352 As WES, however without back draught louvre shutter and grille.





Connected at lightning speed A generously dimensioned, circular cable storage space, the simple rotatabilty of the casing and the push on cable connectors assist the electrical connection enormously.

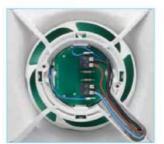
Ball bearings (approx. 40 000 hours running) allow the installation in any position, also directly in the ceiling.



Operation switch 0-1-2 for standard model Type MVB Ref. no. 6091

Two speed and on/off switch. 3 A (ind.) Voltage 230 V, 1-, 50/60 Hz Protection to IP 30 Installation in standard gang boxes W 80 x H 80 x D 15 Dimensions mm Weight approx.





Mounting plate MBR 90/160/300 Ref. no. 0281

Made from high quality, impact resistant polymer. Colour: white. Ideal for refurbishment of old housing. Easy installation of all M1-models in existing rectangular shaft openings. To make the plate almost invisible it can be painted or wallpapered.



Flexible installation depth Removable guide vane reduces installation depth from 96 to 52 mm. Can be installed with or without back draught shutter.



Spacer frame

Type MF 100 Ref. no. 6188 To reduce the installation depth in thin walls, narrow duct and tight 90° bends. Also suitable for the assembly of a pull cord switch (accessories). More MF 100 can be put on top of each other, if necessary.



Suitable for use in zone 1 MiniVent® M1/100 provides protection to IP 45, insulation class Il and may be used in accordance with DIN VDE 0100-701 in zone 1 bathrooms







Accessory details Page Flexible ducting, roof outlets and grilles 487 on Air intakes 512 on





Mini fans of highest quality. Design and performance of the MiniVent® M1/120 sets the standard for the mini fans range.

The excellent design of the MiniVent® M1/120 blends in everywhere beautifully. The compact and attractively designed facia shields the view of the fan interior completely.

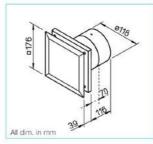
All M1/120 models are supplied with 2 speeds and with airtight back draught shutter as standard.

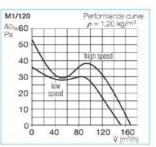
The noise level is extremely low due to Helios ultraSilence® technology.

Available with interval function, overrun timer or automatic function like motion sensor or humidity controlled operation. This responds with intelligent electronics and prevents development of mildew effectively.

Suitable for the ventilation of small to medium-sized rooms in private, commercial and industrial areas.





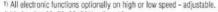


Features

- □ Lowest power consumption of only 10 Watt at vol. = 150 m³/h.
 □ Extremely quiet due to the
- ultraSilence® technology; just 32 dB(A)* at vol. = 150 m³/h.
- Pressure capacity: 120 m³/h air flow rate at 31 Pa resistance.
 170 m³/h free discharge,
 ΔP max. 53 Pa.
- Compact dimensions for flush mounted installation in walls, shafts or ceilings with nominal dia. 120/125 mm.

- □ All components made from high quality white polymers.
- The motor design and ball bearings are selected for long-term durability, steady performance and lifelong operational reliability.
- Motor supplied with thermal overload protection, providing maintenance and trouble-free, continuous operation.
- □ Suitable for use in zone 1 of bathrooms according to DIN VDE 0100-701.
- The electrical supply cables to the unit may be recessed or surface mounted.
- Practical quick assembly using the push on cable connectors for the electrical connection.

Туре	M1/120	M1/120 N/C	M1/120 F	M1/120 P
Ref. no.	6360	6361	6364	6363
Model	Standard model equipped with two speeds	As M1/120, with adjustable overrun and interval timer ⁽¹⁾	As M1/120, with automatic humidity control ^{1) 4}	As M1/120, with PIR motion sensor ¹⁾
Run on time, min. optionally on high or low speed	=	6, 10 15, 21 adjustable	6, 12 18, 24 adjustable ³⁾	6
Interval operation, hrs, optionally on high or low speed	-	0, 8, 12, 24 adjustable	_	_
Delayed start, approx. sec.	_	0, 45, 90, 120	0 or 45 3)	-
Back draught shutter, mech., remov.	Yes	Yes	Yes	Yes
Air flow volume (FID) m³/h	170 / 150	170 / 150	170 / 150	170 / 150
Impeller Ø mm	111	111	111	111
R.P.M. min ⁻¹	2350 / 2050	2350 / 2050	2350 / 2050	2350 / 2050
Voltage/Frequency 50 Hz	230 V	230 V	230 V	230 V
Power consumption W	13 / 10	13 / 10	13 / 10	13 / 10
Rated current A	0,09 / 0,08	0,09 / 0,08	80,0 / 0,08	0,09 / 0,08
Sound pressure level dB(A) in 3 m ²⁾	36 / 32	36 / 32	36 / 32	36 / 32
Wiring diagram no.	915	917	919	918
Electrical power supply NYM-O in mm ²	3 x 1.5	4 x 1.5	4 x 1.5	3 x 1.5
Protection cat. II, protection	IP 45	IP 45	IP 45	IP 45
Max. air flow temperature	+40 °C	+40 °C	+40 °C	+40 °C
Weight approx. kg	1,05	1.05	1.05	1.05
1) All alectronic functions optionally on his	ah ar law engad - adjustable	2) Eropfield	conditions	3) With manual operation



4) Limit value 60, 70, 80, 90% adjustable.

2) Freefield conditions.

3) With manual operation.



Nice and clean

Since every fan gets dirty sooner or later, the M1 facia was designed in a way that air flows in on all sides. The design of the facia elegantly avoids the internal view of the fan opening, even when dirty.

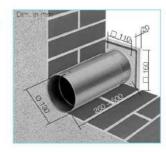
M1 blends harmoniously into any environment. The smoothsurfaced facade always remains easy to maintain and clean.

■ Intelligent humidity control
The humidity control of the
M1/120 F starts the fan automatically with increase of humidity. The fan operates until the
humidity is reduced below the
set point. With constantly high
humidity the fan changes into a
defined interval operation.

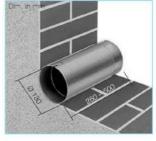


Wall mounting kit Type WES 120

Type WES 120 Ref. no. 0486
Two telescopic polymer sleeves
guide the air through cavity walls
and serve as wall liners. Outside
wall termination is carried out by
application of three bladed automatic back draught louvre shutter,



Telescopic wall sleeve
Type TWH 120 Ref. no. 6353
As WES, however without back
draught louvre shutter,



Connected at lightning speed A generously dimensioned, circular cable storage space, the simple rotatabilty of the casing and the push on cable connectors assist the electrical connection enormously.Ball bearings (approx. 40 000

hours running) allow the installa-

tion in any position, also directly

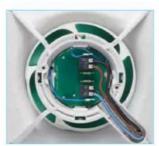
in the ceiling.



Operation switch 0-1-2 for standard model

Type MVB Ref. no. 6091
Two speed and on/off switch.
Current 3 A (ind.)
Voltage 230 V, 1-, 50/60 Hz
Protection to Installation in standard gang boxes
Dimensions mm W 80 x H 80 x D 15
Weight approx.

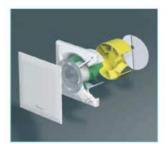






Accessory details Page
Flexible ducting,
roof outlets
and grilles 487 on
Air intakes 512 on

■ Flexible installation depth
Removable guide vane reduces
installation depth from 116 to
70 mm. Can be installed with or
without back draught shutter.



■ Suitable for use in zone 1 MiniVent® M1/120 provides protection to IP 45, insulation class II and may be used in accordance with DIN VDE 0100-701 in zone 1 bathrooms.









Mini fans of highest quality. Design and performance of the MiniVent® M1/120 sets the standard for the mini fans range.

The excellent design of the MiniVent® M1/120 blends in everywhere beautifully. The compact and attractively designed facia shields the view of the fan interior completely.

All M1/150 models are supplied with highly efficient EC motor technology, with 2 speeds and with airtight back draught shutter as standard.

The noise level is extremely low due to Helios ultraSilence® technology.

stepless speed regulation.
This responds with intelligent
electronics and prevents development of mildew effectively.

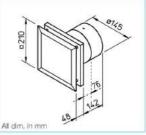
Suitable for the ventilation of small to medium-sized rooms in private, commercial and industrial areas.

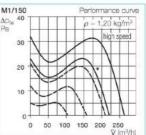


Features

- Lowest power consumption of only 6 Watt at vol. = 220 m³/h.
- Extremely quiet due to the ultraSilence® technology; just 35 dB(A)* at vol. = 220 m³/h.
- Pressure capacity: 180 m³/h air flow rate at 31 Pa resistance.
 260 m³/h free discharge,
 ΔP max. 33 Pa.
- Compact dimensions for flush mounted installation in walls, shafts or ceilings with nominal dia. 150/160 mm.

- All components made from high quality white polymers.
- The motor design and ball bearings are selected for long-term durability, steady performance and lifelong operational reliability.
- Motor supplied with thermal overload protection, providing maintenance and trouble-free, continuous operation.
- □ Suitable for use in zone 1 of bathrooms according to DIN VDE 0100-701.
- The electrical supply cables to the unit may be recessed or surface mounted.
- Practical quick assembly using the push on cable connectors for the electrical connection.





- * low speed --- Example speeds 0-10 V
- Example speeds 0-10 V
 Type for stepless regulation
- ☐ The 0-10 V Type has various applications due to the combination with CO₂, VOC or temperature sensors. Furthermore, the min./max. speed is fully adjustable and stepless regulation is possible with a potentiometer. The unit can also be controlled with the three-step switch or steplessly via universal control systems or electronic differential pressure/temperature controllers.
 - A potential-free relay output is available as standard for the connection of an electrical cover flap.

Туре	M1/150	M1/150 N/C	M1/150 F	M1/150 0-10 V
Ref. no.	6041	6042	6043	6044
Model	Standard model equipped with two speeds	As M1/150, with adjustable overrun and Interval timer ¹⁾	As M1/150, with automatic humidity control ^{(1) (4)}	Stepless control
Run on time, min. optionally on high, low or both speeds	-	6, 10, 15, 21 adjustable	6, 10, 15, 21 adjustable ³⁾	6
Interval operation, hrs. optionally on high, low or both speeds	-	0, 8, 12, 24 adjustable	_	<u> </u>
Delayed start, approx. sec.	_	0, 45, 90, 120	0, 45, 90, 1203))
Internal shutter, removable	Yes	Yes	Yes	Yes
Air flow volume m³/h free discharge	260 / 220	260 / 220	260 / 220	260-50
Impeller Ø mm	137	137	137	137
R.P.M. min ⁻¹	1900 / 1600	1900 / 1600	1900 / 1600	1900-980
Voltage / Frequency 50 Hz	230 V	230 V	230 V	230 V
Power consumption W	8 / 4.5	8/5	9/6	9 / min. 3,5
Rated current A	0,08 / 0,06	0,10 / 0,09	0,08 / 0,06	0,08 / min. 0,035
Sound pressure level dB(A) in 3 m ²⁾	39 / 35	39 / 35	39 / 35	max. 39
Wiring diagram no.	1080	1081	1082	1083
Electrical power supply NYM-D in mm ²	3 x 1.5	4 x 1.5	4 x 1.5	2 x 1.5 ⁵⁾
Elec. power supply (control) LiYY in mm ²	_	_		3 x 0.34
Protection cat. II, protection class	IP 45	IP 45	IP 45	IP 45
Max. air flow temperature	+40 °C	+40 °C	+40 °C	+40 °C
Weight approx. kg	1.20	1.20	1.20	1.20



3) With manual operation.

4) Limit value from 40-90 % steplessly adjustable.

fjustable. 2) Free field conditions. 5) Additional connection cable provided for relay output.



¹⁾ All adjustable times and electronic functions optionally on high, low or both speeds - adjustable.





■ Nice and clean

Since every fan gets dirty sooner or later, the M1 facia was designed in a way that air flows in on all sides. The design of the facia elegantly avoids the internal view of the fan opening, even when dirty.

M1 blends harmoniously into any environment. The smoothsurfaced facade always remains easy to maintain and clean.

■ Intelligent humidity control
The humidity control of the
M1/150 F starts the fan automatically with increase of humidity. The fan operates until the
humidity is reduced below the
set point. With constantly high
humidity the fan changes into a
defined interval operation.



Wall mounting kit

Type WES 150 Ref. no. 0537

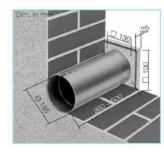
Two telescopic polymer sleeves guide the air through cavity walls and serve as wall liners. Outside wall termination possible

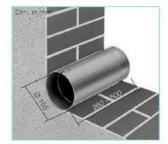
in two ways:
a) Three bladed automatic back

draught louvre shutter.
b) Fixed grille. All parts made of high quality polymer.

Telescopic wall sleeve
Type TWH 150 Ref. no. 6354
As WES, however without back

draught louvre shutter and grille.





Connected at lightning speed A generously dimensioned, circular cable storage space, the simple rotatabilty of the casing and the push on cable connectors assist the electrical connection enormously.

Ball bearings (approx. 40 000 hours running) allow the installation in any position, also directly in the ceiling.



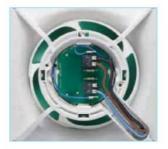
Operation switch 0-1-2 for standard model

Type MVB Ref. no. 6091 Two speed and on/off switch.

Current 3 A (ind.)
Voltage 230 V, 1~, 50/60 Hz
Protection to
Installation in standard gang boxes
Dimensions mm
Weight approx.

United 3 A (ind.)
Protection to
IP 30
Installation in standard gang boxes
UN 80 x H 80 x D 15
UN 80 x H 80 x D 15





Operation switch for M1/150 N/C and M1/150 F Type DSEL 2 Ref. no. 1306

Two speed and on/off switch.

Voltage 230 V, 1~, 50/60 Hz
Protection to
Installation
Dimensions mm
Weight approx.

A (ind.)
IS 3 A (ind.)
IP 30
IP 30
In standard gang boxes
W 80 x H 80 x D 15
Weight approx.



■ Flexible installation depth
Removable guide vane reduces
installation depth from 142 to
76 mm. Can be installed with
or without back draught shutter.



Speed-potentiometer for M1/150 0-10 V On/off switch.

stepless speed control.

Type PU 10 Ref. no. 1734

For flush mounting.

Installation in Standard UP-Dose Dim. mm W 80 x H 80 x D 21 protr.

Type PA 10 Ref. no. 1735 For surface mounting.

Casing Surface installation
Dim. mm W 80 x H 80 x D 65



■ Suitable for use in zone 1 MiniVent® M1/150 provides protection to IP 45, insulation class II and may be used in accordance with DIN VDE 0100-701 in zone 1 bathrooms.





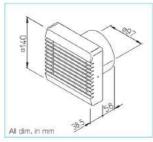


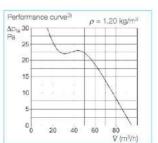
Accessory details	Page
Flexible ducting, roof outlets	
and grilles	487 on
Air intakes	512 on
Universal control system	
speed-potentiometer	539 on











- High-quality mini fan with electric shutter.
 - The shutter blades behind the facade open and close noise-lessly and automatically when the fan is switched on/off. This ensures the vibration-free connection for outside air when the ventilator is at a standstill. The long-life ball bearings ensure maintenance-free, silent operation and allow installation in any position.

Unobtrusive, HR 90 KE blends into every room ambience. The upward-facing blades shield the view of the fan interior. Suitable for all ventilation applications in bathrooms, toilets and other small rooms.

- Advantages of ball bearings
- Quiet and reliable performance under continuous operation.
- Acoustically tested long life ball bearings are greased for life (approx. 30 000 hours running). Maintenance, re-greasing and cleaning of bearings are not required, saving time and money.
- Even under harshest conditions, longlife ball bearings ensure that the fans will perform quietly for life.
- Ball bearings and motor are designed for long-term durability, constant performance and lifelong operational safety.
- Suitable for use in zone 1 of bathrooms according to DIN VDE 0100-701.
- □ Flush mounting in Ø 100 mm ducting or shafts.

- Can be used practically anywhere due to small installation depth and small dimensions.
- ☐ Attractive Soft-Line Design in pleasant white.
- All components made from impact resistant polymers.
- Contact safety to DIN EN ISO 13857.
- Motor protected by automatically resetting thermal contact.
 Maintenance-free and interference-free. Suitable for continuous operation.
- Cable entry can be flush or on the surface.
- Easy electrical connection through screwless clamps.

2) NYM-0 3 x 1.5 mm² required

Spring clips for fixing into Ø 100 mm ducting or screw fixing in larger openings.

Туре	HR 90 KE	HR 90 KEZ
Ref. no.	0334	0335
Built-in overrun timer ¹⁾ , Overrun timer approx. 2-8 min.		ja ²⁾
Electric shutter	ja	ja
Air flow volume (FID) m ³ /h ³⁾	95	95
Impeller Ø mm	93	93
R.P.M. min ⁻¹	2550	2550
Voltage/Frequency 50/60 Hz	230 V	230 V
Power consumption W	17	20
Current A	0,12	0,14
Sound pressure level dB(A) in 1 m	44	44
Wiring diagram no.	483	484
Protection class II, protection	IP 45	IP 45
Max. air flow temperature	+40 °C	+40 °C
Weight approx. kg	0,60	0,62

1) delayed start of approximately 1 minute

3) determined with extract duct, Length 2 x D

Note
HR 90 K 12 V –
with safety extra-low voltage
upon request



Mini fan HR 90 KE for ceiling installation Fans with ball bearings are ideally suited for ceiling installation. Spacer frame MF 90 (accessory) prevents condensation from ducting entering the fan.

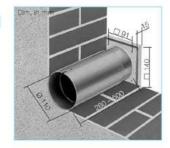


Wall mounting kit Type WES 90 Ref. no. 0717 Two telescopic sleeves guide air

through cavity walls and serve as wall liners; for flush mounted installation.

There are two possibilities for wall termination:

- a) Three bladed automatic backdraught shutter.
- b) Fixed grille. All parts from high-quality polymer.



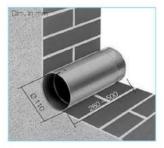
Screwless installation HR 90 KE fans have screwless clamps for electrical connection. The fascia is fixed quickly and easily through a click in mechanism. Spring clips on the sides

simplify installation into Ø 100

mm ductings.



Telescopic wall sleeve Type TWH 90 Ref. no. 6352 As WES, however without back draught louvre shutter and grille.



■ Suitable for use in zone 1 HR 90 KE models provide protection to IP X5 and may be used in accordance with DIN VDE 0100-701 in zone 1 of bathrooms.

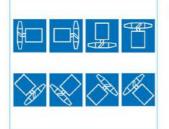


Window kit

Type FES 90 Ref. no. 0462 For installation of HR 90 KE models are suitable for single and double glazed windows as well as panels from 1 mm up to 40 mm thick. Outside cover only 29 mm through flat rain repellent grille. Pull cord operation.



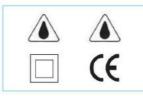
Installation in any position HR 90 KE is equipped with electric shutter and high quality long life ball bearings. This ensures a wall and ceiling installation in any position - vertical, horizontal or any position in between.



Mounting plate MBR 90/160/300 Ref. no. 0281 From high quality, impact resistant polymer, Colour; white, Ideal for refurbishment of old housing. Easy installation of HR 90 KE models in existing rectangular shaft openings. To make the plate invisible it can be painted or wallpapered.



Approvals



Spacer frame

Type MF 90 Ref. no. 0819 Areas of application:

1. Required for ceiling installation. MF prevents condensation entering the fan from vertical ductings.

- 2. For easy installation of awkwardly placed electrical cables, because the fan will be lifted about 23 mm from the wall.
- 3. For easy installation of the fan in tight shafts. MF reduces fan spigot protrusion e.g. tight 90° bends.
- 4. For installation in thin walls the fan spigot protrusion can be reduced as follows: With 1 spacer frame to 35 mm. With 2 spacer frames to 7 mm.

Colour: alpine white.



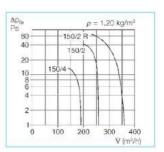
Accessory details	Page
Flexible ducting, roof outlets	
and grilles	487 on
Air intakes	512 on
Speed controllers, swit	ches
and overrun timer	525 on











- The HelioVent® fans are designed to ventilate smaller to mid-sized domestic, commercial and industrial rooms.
- The fan with ball bearings as standard guarantees
- Installation in any position.
 Quiet and reliable performance
- under continuous operation.

 Silent and maintenance free for
- Features
- Front grille can be removed and easily cleaned in soapy water.
- Small depth avoids possible installation difficulties.
- Suitable for wall, window and ceiling installation in any position.
- Adjustment of flow volume through stepless, electronic speed control.
- Motor protection through built-in thermal contacts.

Specification

The traditional design blends well in any room. All parts, including fan casing and impeller are made from high quality polymer. White facia. Built-in neon light indicates operation. High volume and pressure characteristic using a 8 bladed impeller and guide vanes.

Totally enclosed, maintenance free running low noise ball bearing motor, sealed for life, interference-free, suitable for continuous operation. Installation in any position. Contact safety to DIN EN ISO 13857.

The electrical supply cables to the unit may be recessed or surface mounted.

pl	ied, or by a remote switch,	to
be	e installed on site.	
1101		
W	all mounting kit	

Window mounting kit

For installation with all models,

preferably models with electrical

and double glazed windows as

Wall termination through flat rain

repellent grille with fixed blades.

Controllable with pull cord sup-

well as thin walls and panels.

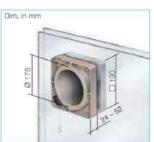
internal shutter. Suitable for single

Ref. no. 0463

Type FES 150

Type WES 150 Ref. no. 0537
For flush mounted wall installation; contents: Two telescopic polymer sleeves adjustable on wall thickness and wall termination that can either be mounted with a gravity shutter or on the HVR E models with a rain repellent grille. Supplied with both elements as standard.

Telescopic wall sleeve
Type TWH 150 Ref. no. 6354
As WES, however without back





Accessory details	Page
Roof outlets	
and grilles	487 on
Air intake	512 on

Arr Intake 512 on Speed controllers, switches and overrun timer 525 on

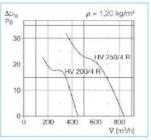
Гуре	HVR 150/4 E	HVR 150/2 E	HVR 150/2 RE
Ref. no.	0283	0285	0286
Built-in electric shutter	Yes	Yes	Yes
Air flow reversible	_	_	DSEL 2¹⁾ Ref. no. 1306
Air flow volume (FID) m³/h	180	260	360
mpeller Ø mm	140	140	140
R.P.M. min ⁻¹ ca.	1300	1800	2600
Voltage/Frequency	230 V~ / 50 Hz	230 V~ / 50 Hz	230 V~ / 50 Hz
Power consumption W	30	35	50
Current A	0.20	0.15	0.25
Sound pressure level dB(A) in 1 m	46	58	64
Wiring diagram no.	283	283	284,1
Protection class II, protection to	IP 44	IP 44	IP 44
Max. air flow temperature	+40 °C	+40 °C	+40 °C
Weight approx. kg	1.2	1.4	1.5

1) NYM-0 3 x 1,5 mm² cable required for reverse operation









- HelioVent®. The traditional design blends well in any stylish room: In living and dining room, in offices and conference rooms, restaurants or foyers.
 - Universal in operation. Reversible for ventilation and extraction. Installation in wall, ceiling or any angle.
- HelioVent® at a glance Compact, quiet fan unit with clever design features:
- ☐ HelioVent® matches every location inconspicuously. ☐ No view of the fan interior if it
- gets dirty. ☐ High air flow and low air noise
- through low resistances.
- ☐ Easy to care for. Facia is removable with one hand to be cleaned easily in soapy water.

Installation – Connection

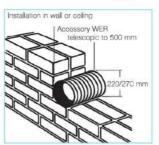
The installation is simple and done within minutes. Easy electrical connection through welltried screwless clamps and large cable storage reduce effort to a minimum. Cable can be inserted flush or on the surface.

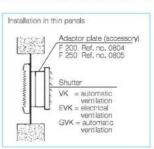
Speed control

Speed controllable from 0 - 100% through voltage reduction with an electronic or transformer controller.

Specification

- Facia and fan casing from high quality, impact resistant alpine white polymer.
- ☐ Totally enclosed, powerful motor with high efficiency. Corrosionresistant in an aluminium diecast casing, protected against dust and water (protection to IP 54). With tropical protection of windings and insulation to ISO class
- Overload protection through built-in thermal contacts (self resetting).
- Noise resistant ball bearings ensure quiet operation.
- Large terminals (protection to IP 55) and extra cable storage make installation easier
- ☐ Impeller specifically designed for high performance with high efficiency and quiet operation.
- ☐ Maintenance free and interference-free.
- □ Contact safety to DIN EN ISO 13857 through facia.
- ☐ Easy installation and service.





Accessory details	Page
Roof outlets	
and grilles	487 on
Air intakes	512 on
Speed controllers, swi	itches
and overrun timer	525 on

Туре	HV 200/4 R	HV 250/4 R
Ref. no.	0957	0958
Air flow reversible	Yes	Yes
Air flow volume (FID) m ³ /h	450	840
Impeller Ø mm	200	250
R.P.M. min ⁻¹	1360	1380
Voltage/Frequency	230 V~ / 50 Hz	230 V~ / 50 Hz
Power consumption W	30	40
Current A	0.13	0.20
Sound pressure level dB(A) bei 15 Pa in 1 m (freefield conditions)	52	55
Sound power dB(A)	60	63
Wiring diagram no.	439	439
Protection to	IP 54	IP 54
Max, air flow temperature	+40 °C	+40 °C
Weight approx. kg	2.1	2.6

Specification	Fan type	HV 200	HV 250
Wall sleeve	Type	WER 200	WER 250/225
for flush mounted wall installation	Ref. no.	0368	0369
Air stream operated shutter	Type	VK 200	VK 250
for extraction only	Ref. no.	0758	0759
Twin swing shutter	Type	GVK 200	GVK 250
ventilation and extraction	Ref. no.	0370	0371
Reversing switch	Type	DSEL 2 ¹⁾	DSEL 2 ¹⁾
ventilation and extraction	Ref. no.	1306	1306
Reversing speed controller for stepless variable speed	Type Ref. no.	BSX 0240	BSX 0240
Electronic speed controller	Type	ESU 1	ESU 1
Flush mounting	Ref. no.	0236	0236
Electronic speed controller	Type	ESA 1	ESA 1
Surface mounting	Ref. no.	0238	0238

