



Elegant compact window fans with flow rates of 80–360 m³/h.

- **Area of application**
All rooms and windows in private buildings as well as small to medium-sized commercial spaces.

Special features and common features

- **Universal application**
Prepared for installation in panels, single glazed windows, double glazed windows and composite windows (HR 90 KE/FES not for hinged composite window) as standard. Suitable for wall installation with anchoring using wall sleeve (accessories).

- **Electrical inner shutter**
Tight-closing with silent operation; maintenance-free. Automatic operation with the fan circuit.
- **Casing**
Casing made of high-quality, impact-resistant plastic. Fan casing and external grille in white.
- **Motor**
Enclosed motor in splash-proof casing. Maintenance-free and radio interference-free. Maximum air flow temp. +40 °C.
- **Installation**
The service-friendly and installation-friendly unit design allows quick installation with only a few steps.

Description HR 90 KE/FES

- Compact window fan for rooms of any kind. Upward facing blades prevent viewing of the fan clogging zone.
- Applicable in single and double glazed windowpanes with a thickness of 4–40 mm. The variable distance compensation is achieved by using or omitting the supplied spacer frames.
- External cover with flat rain-repellent grille.
- Operation via on-site On/Off switch or the built-in drawcord.
- Integrated operation indicator.

Description HVR 150/FES

- Powerful window fans for small to medium-sized private and commercial spaces.
- For installation in single and double glazed windows (composite window can be opened unhindered) as well as thin panels with a thickness of 4–40 mm. Variable distance compensation through installation or omission of the supplied spacer frames.
- External cover with flat rain-repellent grille.
- Operation via on-site On/Off switch or the built-in drawcord.
- Optical operation indicator.

Reference	Page
Speed controllers, controllers & turn-off delay switches	599 ff.

Product range			
Technical data	HR 90 KE/FES	HVR 150/2 E/FES	HVR 150/2 RE/FES
Ref. no.	00334 / 00462	00285 / 00463	00286 / 00463
Electrical inner shutter	Available	Available	Available
Reversible (supply and extract ventilation)	Extract ventilation	Extract ventilation	DSEL 2 ²⁾ Ref. no. 01306
Pane cutout Ø mm	103 mm	178 mm	178 mm
Flow rate free blowing m³/h	95	260	360
Impeller Ø mm	93 mm	140 mm	140 mm
Voltage 230 V, 50 Hz, power consumption W	17	35	50
Rated current A	0.12	0.15	0.25
Speed min ⁻¹	2550	1800	2600
Sound pressure ¹⁾ /power dB(A)	44/51	58/65	64/71
Weight approx. kg	1.0	1.9	2.0
Wiring diagram no.	483	283	284
Protection category	IP45	IP44	IP44
Accessories			
Double glazed window installation for hinged composite window	—	Available	Available
Wall installation, Telescopic wall sleeve 260 – 500 mm	TWH 90	TWH 150	TWH 150
Ref. no.	06352	06354	06354
Speed controller flush/surface-mounted	—	ESU 1 / ESA 1	ESU 1 / ESA 1
Ref. no.	—	00236 / 00238	00236 / 00238
Speed controller with reversing switch for switching from supply to extract ventilation	—	—	BSX
Ref. no.	—	—	00240

¹⁾ Distance at 1 m free field conditions. ²⁾ NYM-O 3 x 1.5 mm² required for reverse operation.