

# WDV Roof Fans

**WDV fans comply with the EU energy efficiency requirements for fans and ventilation systems. They are high-performance fans with excellent air efficiency as well as enhanced noise level control and air flow adjustability according to current needs.**
WDV fans with vertical airflow are designed for use in locations where continuous mechanical ventilation is required, e.g. in production halls, warehouses, retail centres, shops, offices, etc.
The concentrations of corrosive vapours and gases or particulates in the exhaust air should not exceed the acceptable limits specified by environmental regulations.

## DESCRIPTION

### PRODUCT DESCRIPTION

WDV – fans with vertical airflow in a square enclosure – 7 sizes from 31 to 63;
Components:

- High-performance rotor made from high-strength composite materials and provided with an integrated asynchronous electric motor;
- Enclosure manufactured in aluminium;
- Bases made of galvanised steel sheets.

The fans are designed for installation on PU or PUT universal bases (with sound insulation).

### WORKING CONDITIONS

WDV fans are provided with the following motors:

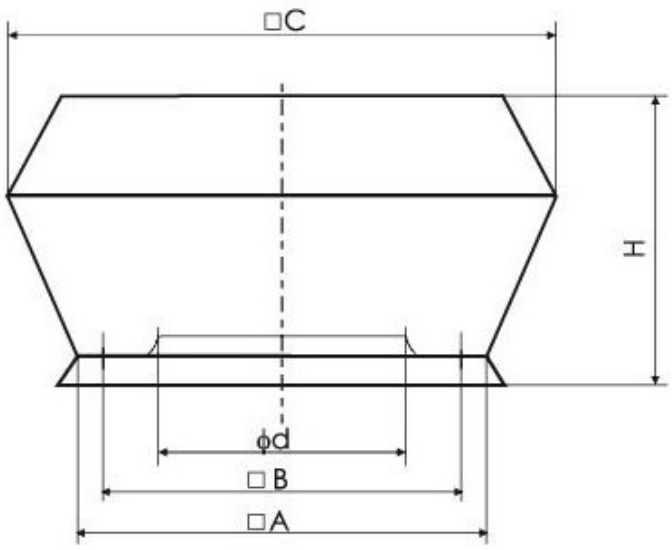
- (AC/4J) single-phase asynchronous with five-step transformer speed control for sizes 31; 35; 40, 45 and 50;
- (AC/4T) three-phase asynchronous with five-step transformer speed control for sizes 31; 35; 40; 45; 50, 56 and 63.
- (EC/J) single-phase electronically commutated for sizes 31; 35; 40, 45;
- (EC/T) three-phase electronically commutated for sizes 35; 40; 45; 50, 56 i 63.

With the manufacturer’s agreement, WDV fans may be provided with a ~900-rpm 6-pole asynchronous motor wirh five-step transformer speed.

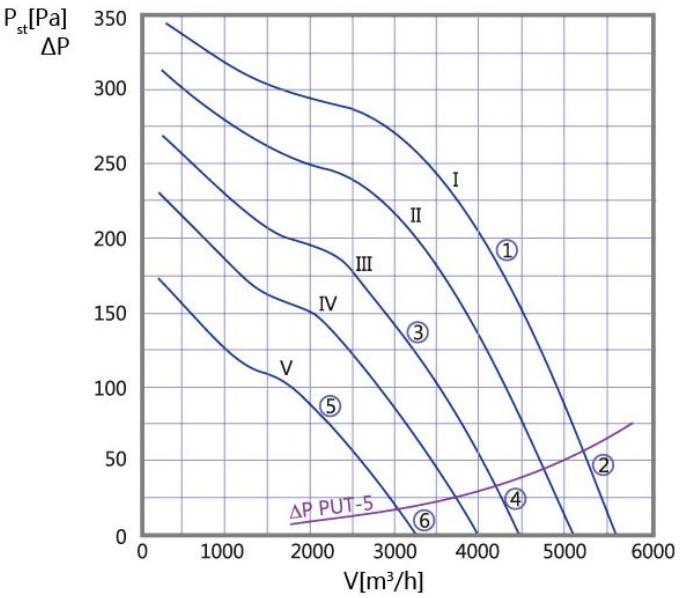
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# WDV-40-AC/4T

## DIMENSIONS




## CHARACTERISTICS:




| Ød [mm] | A [mm] | B [mm] | C [mm] | H [mm] | Weight [kg] |
|---|---|---|---|---|---|
| 298 | 632 | 560 | 835 | 464 | 28,5 |

| | |
|---|---|
| Motor type | RH40V-4DK.4I.VR |
| Supply voltage | 3~400V/50Hz |
| Motor power [kW] | 0,54 |
| Current [A] | 1,20 |
| Revolutions [rpm] | 1290 |
| Minimum temperature [OC] | -15 |
| Maximum temperature [OC] | +60 |
| Compliance | ErP 2015, CE |

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