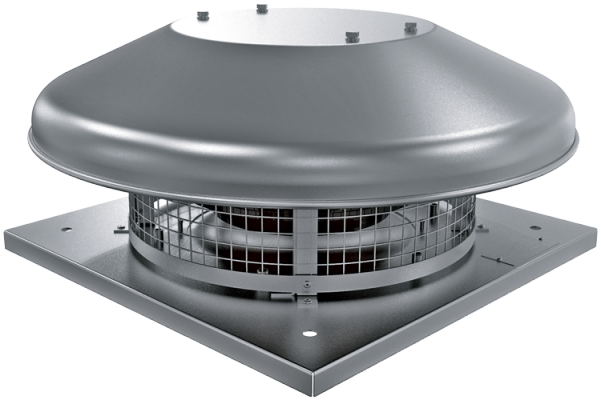
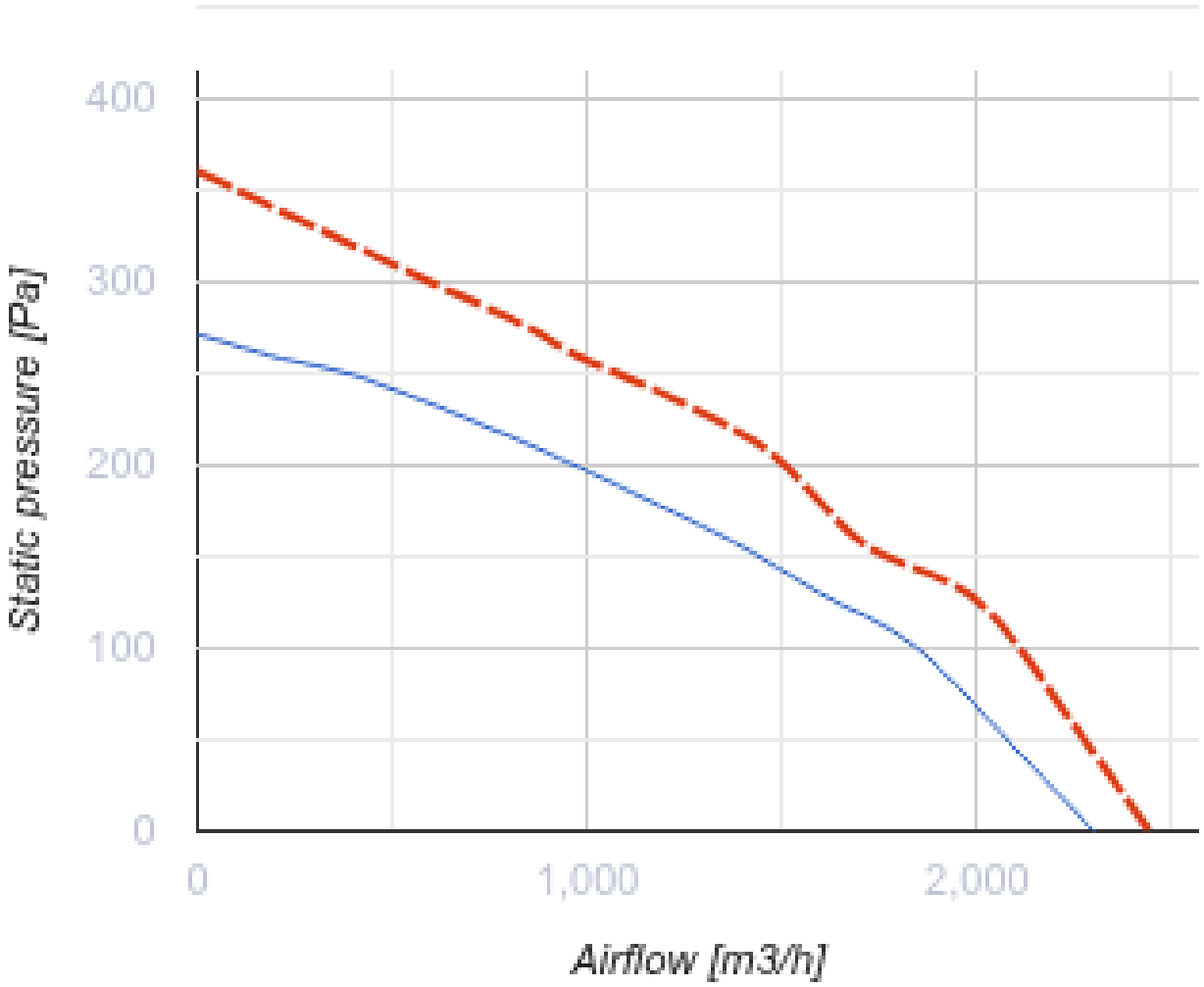
# VKHCA 4D 310

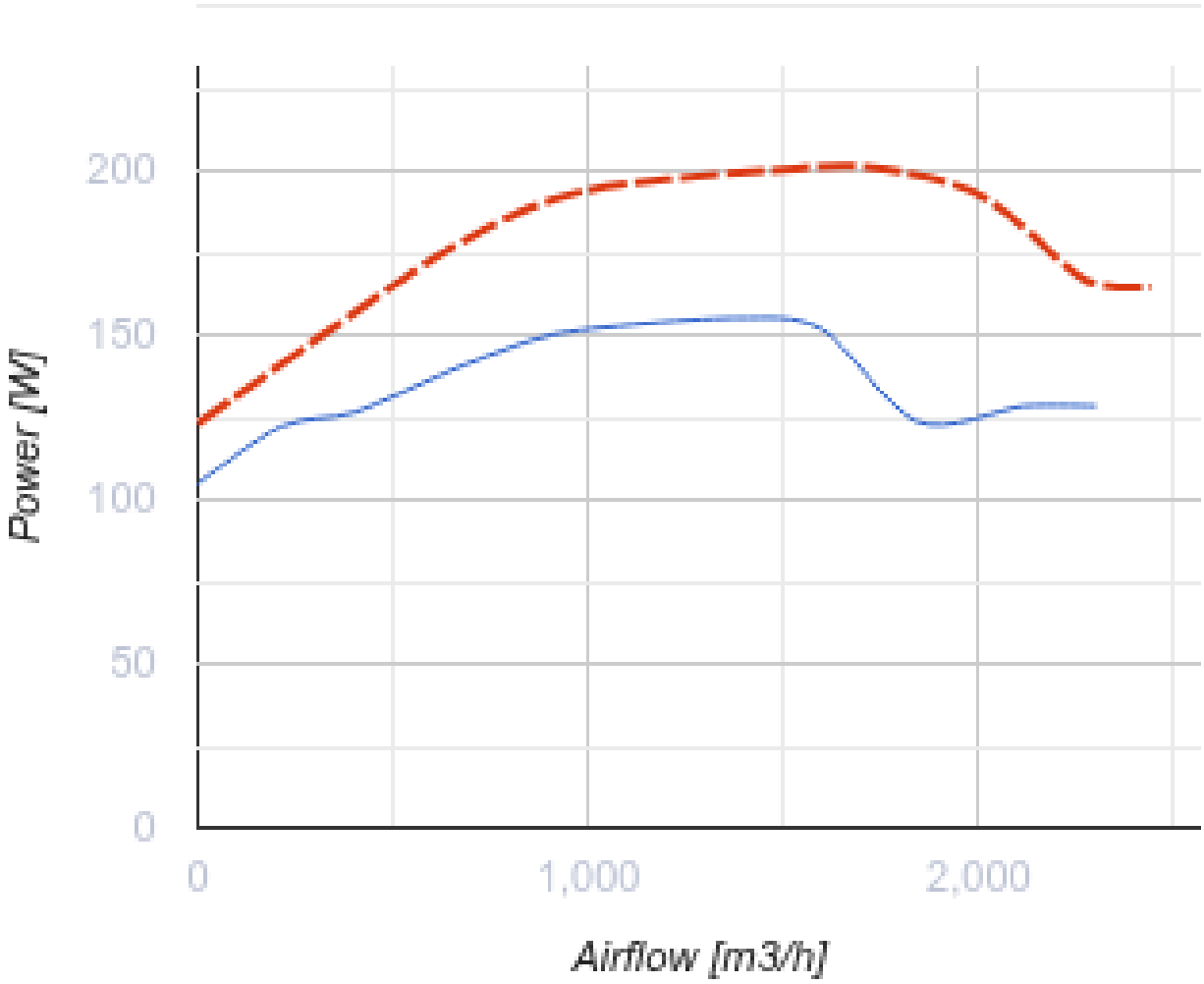
Roof centrifugal fans

• Sound pressure level LpA at 3 m: 47
• Impeller type: Centrifugal impeller with backward curved blades
• Casing material: Aluminium



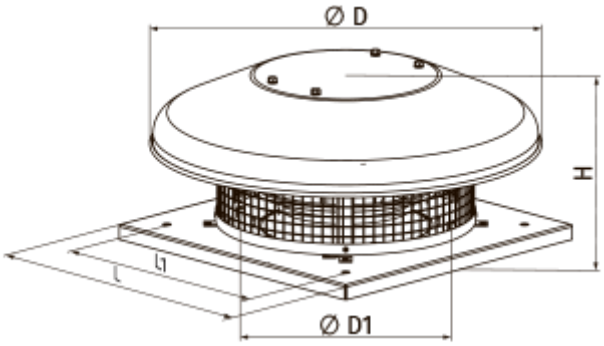
| | Unit of measurement | VKHCA 4D 310 | |
|---|---|---|---|
| Phases | - | 3 | |
| Minimum supply voltage | V | 400 | |
| Maximum supply voltage | V | 400 | |
| Power supply frequency | Hz | 50 | 60 |
| Rated power | W | 155 | |
| Unit current | A | 0.29 | |
| Maximum airflow | m³/h | 2300 | |
| Rotation speed at 50hz | - | 1410 | |
| Sound pressure level LpA at 3 m | dB(A) | 47 | |
| Weight | kg | 11 | |
| Transported air temperature (max) | °C | 50 | |
| Transported air temperature (min) | °C | -25 | |
| Ingress protection rating | - | IPX4 | |
| Ingress protection rating of the drive | - | IP44 | |
| Size | mm | 310 | |


400
300
200
100
0
Static pressure [Pa]
0
1,000
2,000
Airflow [m3/h]




## Dimensions

| H | ØD | ØD1 | L | L1 |
|---|---|---|---|---|
| 277 | 623 | 285 | 420 | 330 |



# Accessories

## Thyristor speed controllers

| Name | Photo | Description |
|---|---|---|
| RS-3,0-T |  | Applied in ventilation systems for speed switching ON/OFF and speed control of single-phase power-controlled motors |
| RS-5,0-T |  | Applied in ventilation systems for speed switching ON/OFF and speed control of single-phase power-controlled motors |
| RS-10,0-T |  | Applied in ventilation systems for speed switching ON/OFF and speed control of single-phase power-controlled motors |

## Transformer speed controllers

| Name | Photo | Description |
|---|---|---|
| RSA5E-3,5-T |  | Speed controllers are applied for air flow control of single phase fans by means of motor step speed control |
| RSA5E-5,0-T |  | Speed controllers are applied for air flow control of single phase fans by means of motor step speed control |
| RSA5E-7,5-T |  | Speed controllers are applied for air flow control of single phase fans by means of motor step speed control |
| RSA5D-1,5-M |  | Three phase speed controller |
| RSA5D-6,0-M |  | Three phase speed controller |
| RSA5D-8,0-M |  | Three phase speed controller |
| RSA5D-11,0-M |  | Three phase speed controller |
| RSA5E-1,5-T |  | Speed controllers are applied for air flow control of single phase fans by means of motor step speed control |

## Accessories for roof fans

| Name | Photo | Description |
|---|---|---|

| | | |
|---|---|---|
| RKV 250-315 |  | Mounting frame |
| RKVI 250-315 |  | Mounting frame with thermal-insulating layer |
| FKV 250-315 |  | Mating flange |
| GKV 250-315 |  | Flexible connector |
| KKV 250-315 |  | Backdraft damper |

## Ecodesign

| Trademark | Vents |
|---|---|
| Model | VKHCA 4D 310 |
| Type of drive installed | Integrated VSD |
| Type of heat recovery system | None |
| Nominal external pressure (Pa) | 99 |
| Maximum external leakage rates (%) | 2.7 |
| Static efficiency (%) | 33.2 |
| Declared typology | NRVU UVU |
| Effective electric power input (kW) | 0.047 |
| Sound power level (dB(A)) | 58 |