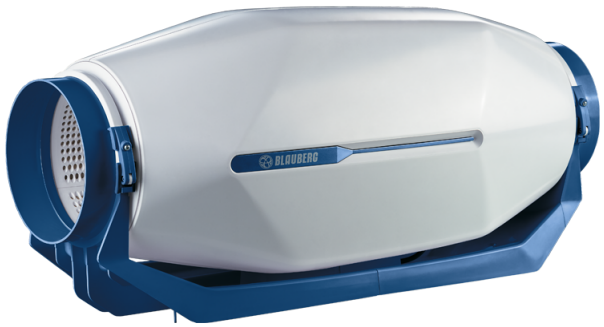
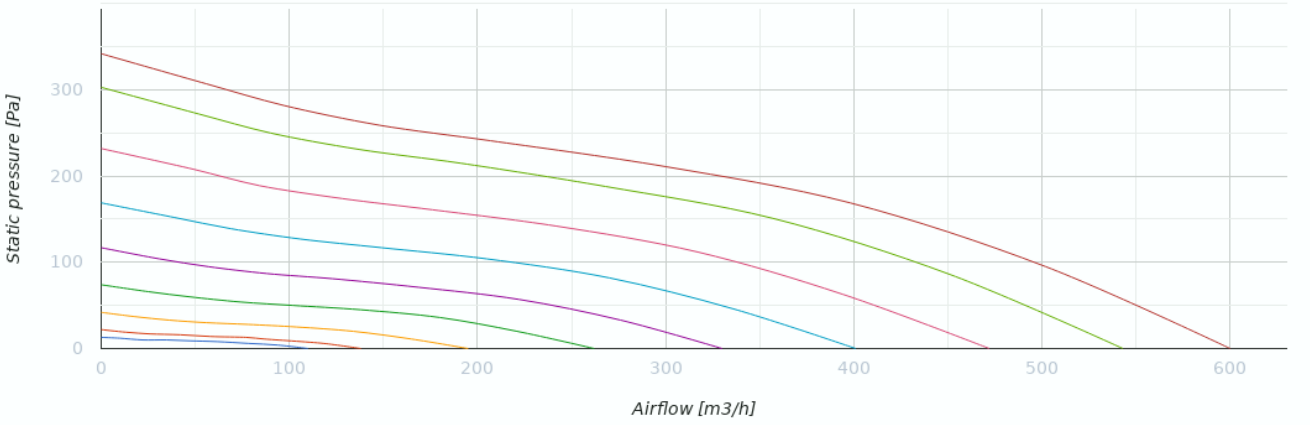


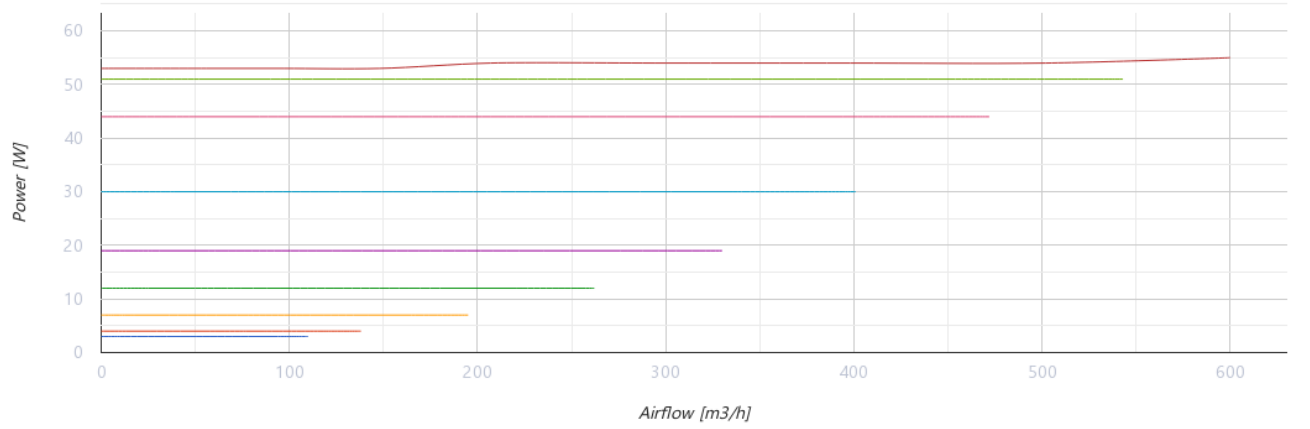
# inWave EC 150/160 FR1

Mixed-flow inline fans in sound-insulated casings with EC-motors

- Sound-insulated casing
- Control: Speed controller
- Impeller type: Mixed-flow
- Casing material: Polypropylene
- Cable with mains plug

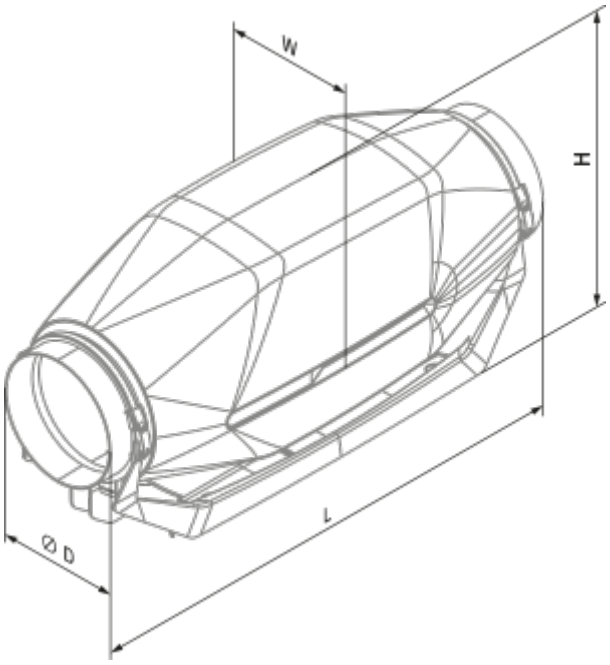
| | Unit of measurement | inWave EC 150/160 FR1 |
|---|---|---|
| Phases | - | 1 |
| Minimum supply voltage | V | 230 |
| Maximum supply voltage | V | 230 |
| Power supply frequency | Hz | 50/60 |
| Maximum airflow | m³/h | 600 |
| Weight | kg | 5 |
| Transported air temperature (max) | °C | 55 |
| Transported air temperature (min) | °C | -25 |
| Ambient air temperature min | °C | 1 |
| Ambient air temperature max | °C | 40 |
| Ingress protection rating | - | IPX4 |
| Ingress protection rating of the drive | - | IP44 |
| Impeller material | - | Plastic |




## Dimensions

| Ø D | W | L | H |
|---|---|---|---|
| 149 (159) | 253 | 606 | 273 |

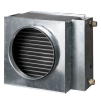
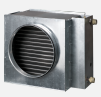

W
H
L
Ø D

## Ecodesign

| Trademark | Blauberg | | | | | |
|---|---|---|---|---|---|---|
| Model | inWave EC 150/160 FR1 | | | | | |
| Specific energy consumption (SEC) (kWh/(m²/a)) | Cold | | Average | | Warm | |
| | -54.3 | A+ | -27.3 | B | -11.8 | E |
| Type of ventilation unit | Unidirectional | | | | | |
| Type of drive installed | Variable speed | | | | | |
| Type of heat recovery system | None | | | | | |
| Maximum flow rate (m³/h) | 320 | | | | | |
| Electric power input (W) | 39 | | | | | |
| Reference flow rate (m³/s) | 0.054 | | | | | |
| Reference pressure difference (Pa) | 50 | | | | | |
| Specific power input (SPI) (W/(m³/h)) | 0.077 | | | | | |
| Control typology | Local demand control | | | | | |
| Maximum external leakage rates (%) | 2.7 | | | | | |
| Sound power level (dB(A)) | 54 | | | | | |
| The annual electricity consumption (AEC) (kWh/a) | Cold | | Average | | Warm | |
| | 41 | | 41 | | 41 | |
| The annual heating saved (AHS) (kWh/a) | Cold | | Average | | Warm | |
| | 5536 | | 2830 | | 1280 | |

## Accessories

### Water heaters

| Name | Photo | Description |
|---|---|---|
| WKH 150-2 |  | Duct water heaters for round ducts |
| WKH 150-4 |  | Duct water heaters for round ducts |
| WKH 160-2 | | Duct water heaters for round ducts |

| | | |
|---|---|---|
| WKH 160-4 | | Duct water heaters for round ducts |