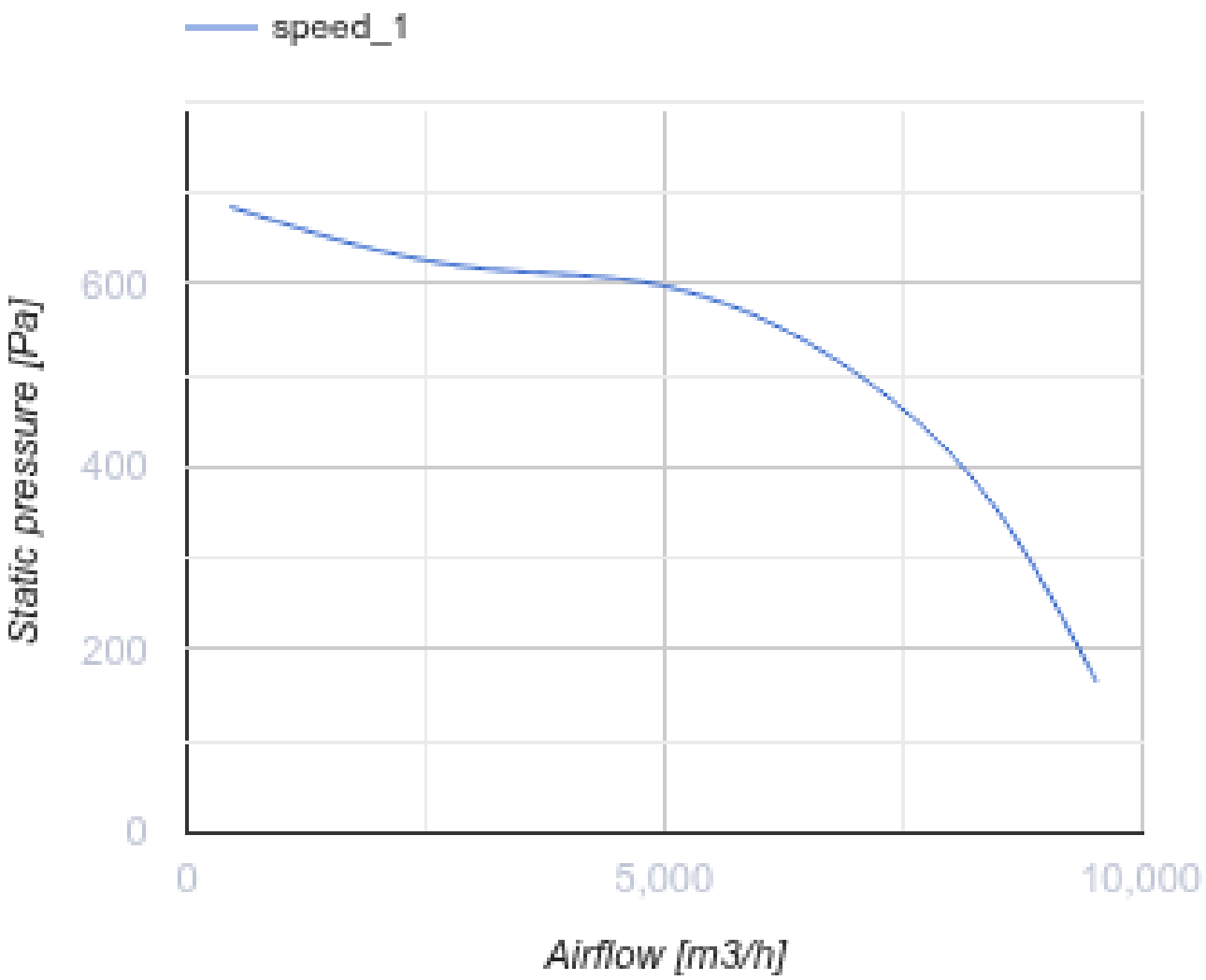


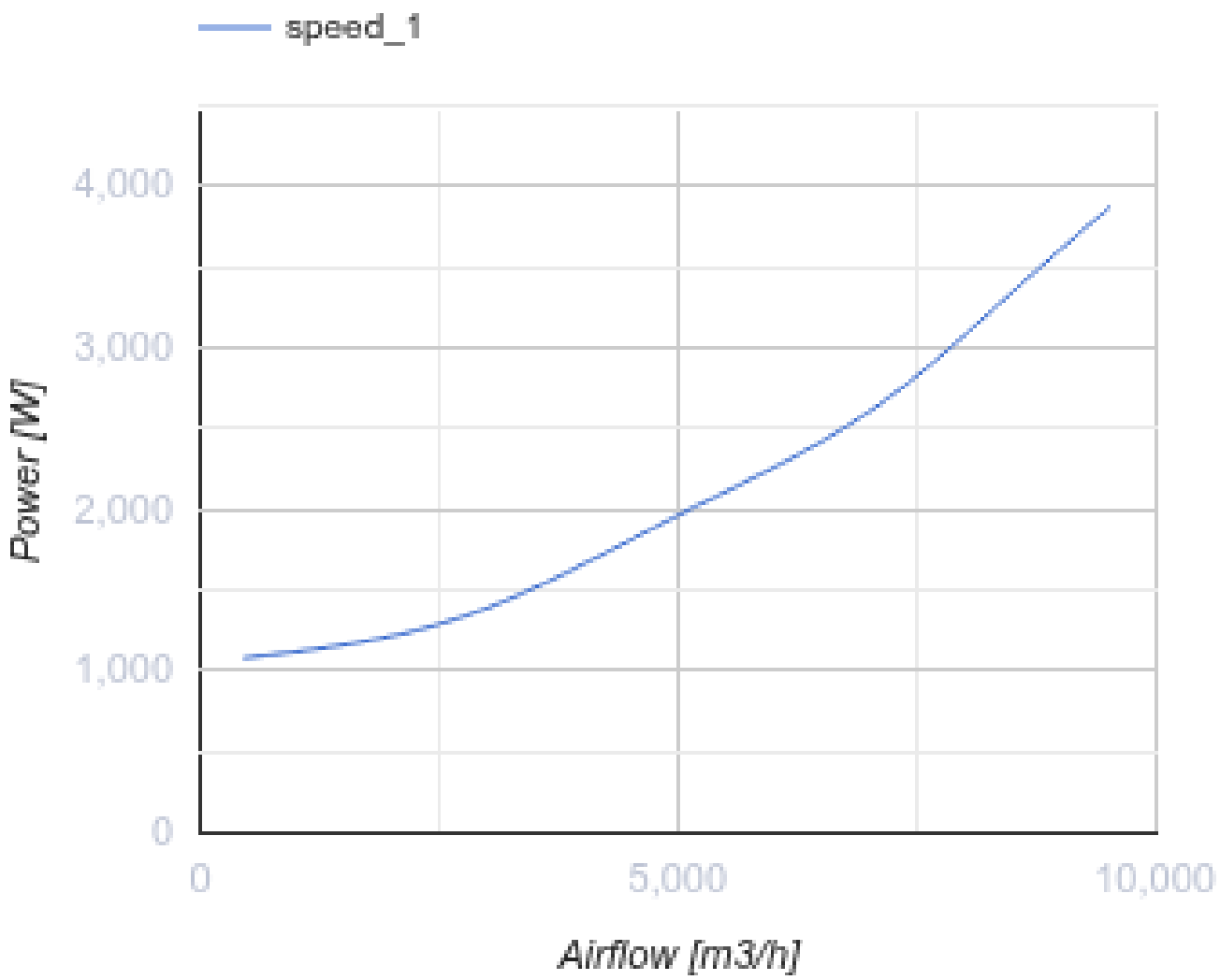
# Box-FI 90x50 6D

Centrifugal inline fans with forward curved blades in sound-insulated casings

- Sound-insulated casing
- Impeller type: Centrifugal impeller with forward curved blades
- Casing material: Galvanized steel
- Installation in any position

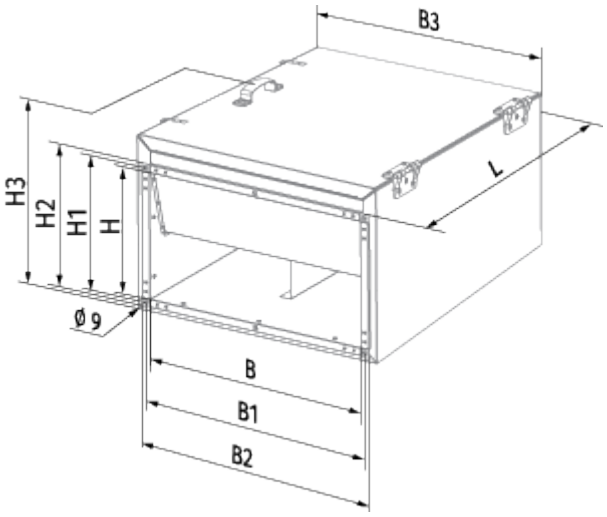
| | Unit of measurement | Box-FI 90x50 6D |
|---|---|---|
| Phases | - | 3 |
| Minimum supply voltage | V | 400 |
| Maximum supply voltage | V | 400 |
| Power supply frequency | Hz | 50 |
| Maximum airflow | $m^3/h$ | 9540 |
| Weight | kg | 142 |
| Transported air temperature (max) | °C | 55 |
| Transported air temperature (min) | °C | -20 |
| Ingress protection rating | - | IPX4 |
| Ingress protection rating of the drive | - | IP44 |
| Impeller material | - | Galvanized steel |


speed_1
Static pressure [Pa]
600
400
200
0
0
5,000
10,000
Airflow [m3/h]




## Dimensions

| B | B1 | B2 | B3 | H | H1 | H2 | H3 | L |
|---|---|---|---|---|---|---|---|---|
| 900 | 920 | – | 1000 | 500 | 520 | – | 720 | 1000 |

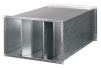

B3
L
H3
H2
H1
H
Ø 9
B
B1
B2

## Ecodesign

| | |
|---|---|
| Trademark | Blauberg |
| Model | Box-FI 90x50 6D |
| Type of drive installed | External MSD or VSD |
| Type of heat recovery system | None |
| Nominal external pressure (Pa) | 590 |
| Maximum external leakage rates (%) | 2.7 |
| Static efficiency (%) | 43.2 |
| Declared typology | NRVU UVU |
| Effective electric power input (kW) | 2.01 |
| Sound power level (dB(A)) | 75 |

## Accessories

### For rectangular ducts

| Name | Photo | Description |
|---|---|---|
| SD 90x50 |  | Silencers for rectangular ducts |

### For rectangular ducts

| Name | Photo | Description |
|---|---|---|
| KFBK 90x50 |  | Filter boxes with panel filter for rectangular ducts |
| KFBT 90x50 G4 |  | Filter boxes with pocket filters for rectangular ducts |
| KFBT 90x50 F5 |  | Filter boxes with pocket filters for rectangular ducts |
| KFBT 90x50 F7 |  | Filter boxes with pocket filters for rectangular ducts |

### For rectangular ducts

| Name | Photo | Description |
|---|---|---|
| VG 90x50 |  | Gravity dampers |

### For rectangular ducts

| Name | Photo | Description |
|---|---|---|
| EVA 90x50 |  | Flexible anti-vibration connectors for rectangular ducts |

### Water heaters

| Name | Photo | Description |
|---|---|---|
| WKH 90x50-2 |  | Duct water heaters for rectangular ducts |
| WKH 90x50-3 |  | Duct water heaters for rectangular ducts |

### Electrical heaters

| Name | Photo | Description |
|---|---|---|
| EKH 90x50-45 |  | Duct electrical heaters for rectangular ducts |
| EKH 90x50-54 |  | Duct electrical heaters for rectangular ducts |

### Airflow regulators

| Name | Photo | Description |
|---|---|---|
| SL 90x50 |  | Air dampers for rectangular ducts |

### Transformer speed controllers

| Name | Photo | Description |
|---|---|---|
| CDR5E D1.5 M |  | Three phase speed controller |

| | | |
|---|---|---|
| CDR5E D4.0 M |  | Three phase speed controller |
| CDR5E D6.0 M |  | Three phase speed controller |
| CDR5E D8.0 M |  | Three phase speed controller |
| CDR5E D11.0 M |  | Three phase speed controller |
| CDR5E D14.0 M |  | Three phase speed controller |