TROX® TECHNIK
The art of handling air

BVGAXO

# BVGAXO/N/R AND BVGREH

## FOR CONVEYING SMOKE GASES OF TEMPERATURE CLASSES F300 AND F400

- Ceiling suspension
- Compact, space-saving, flat style

Axial-type jet fans:

- Max. thrust up to 73 N,
- With or without outlet guide vanes (coordinated to the application)
- Unidirectional as series: GAXO-C or GAXN
- Reversible as series: BVGAXR / BVGAXR-C
- Nominal sizes: 315, 400
- Impeller made of cast aluminium, directly on the motor shaft
- Motor arranged in the flow
- Terminal box assembled outside on the casing
- Sound attenuator on the inlet and outlet side
- Edged, oval design
- Cover grille on the inlet and outlet side
- Baffle plate on the outlet side

Centrifugal-type jet fans:

- Max. thrust up to 97 N,
- nominal sizes 50 / 75 / 100
- Unidirectional

## Application

**Application**

- Installation inside the fire zone
- Ceiling suspension
- In the unidirectional and reversible type

## Description

**Variants**

- Temperature classes F300 and F400
- Unidirectional as axial fan series: BVGAXO-C / BVGAXN
- Reversible as axial fan series: BVGAXR / BVGAXR-C
- Unidirectional as centrifugal fan series: GREH

**Accessories**

- Possible in all RAL colours
- Corrosion protection category C3 to C4M
- Fan diagnosis system VD
- Shock pulse bearing monitoring STI
- Underground car park controller
- CO alarm system
- Local isolator loose

**Classification, standards and guidelines**

- BVGAXO – F300: CE no.: 0761-CPD-0067
- BVGAXN – F300: CE no.: 0761-CPD-0070
- BVGAX-C – F300: CE no.: 0761-CPD-0239
- BVGAX-C – F400: CE no.: 0761-CPR-0429
- BVGAXR – F300: CE no.: 0761-CPD-0068
- BVGREH – F300: CE no.: 0370-CPR-2353
- Incl. application approval (DoP)

# TECHNICAL INFORMATION

## Dimensions and weight

**BVGAXO-C, dimensions [mm]①L1L2L3Ø clear widthBB1B2HH1Ø d②**

| ① | $L_1$ | $L_2$ | $L_3$ | Ø clear width | B | $B_1$ | $B_2$ | H | $H_1$ | Ø d | ② |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **315** | 2111 | 2005 | 500 | 320 | 596 | 560 | 620 | 340 | 345 | 12 | 95 |
| **400** | 2153 | 2005 | 500 | 401 | 706 | 560 | 620 | 430 | 430 | 12 | 100 |

① Nominal size • ② Weight (approx.) [kg]

**BVGAXN, dimensions [mm]①L1L2L3Ø clear widthBB1B2HH1Ø d②**

| ① | $L_1$ | $L_2$ | $L_3$ | Ø clear width | B | $B_1$ | $B_2$ | H | $H_1$ | Ø d | ② |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **315** | 2710 | 2610 | 500 | 320 | 520 | 560 | 620 | 340 | 345 | 12 | 95 |
| **400** | 2774 | 2648 | 500 | 401 | 630 | 560 | 620 | 430 | 435 | 12 | 100 |

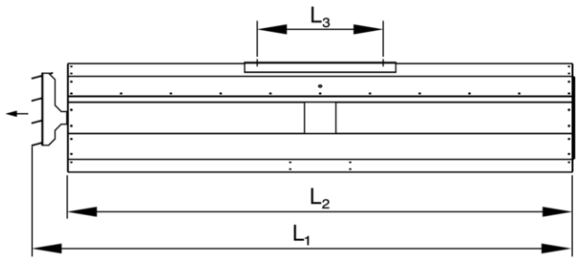
① Nominal size • ② Weight (approx.) [kg]

**BVGAXR-C, dimensions [mm]①L1L2L3Ø clear widthBB1B2HH1Ø dc②**

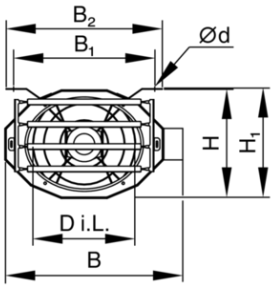
| ① | $L_1$ | $L_2$ | $L_3$ | Ø clear width | B | $B_1$ | $B_2$ | H | $H_1$ | Ø d | c | ② |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **315** | 2217 | 2005 | 500 | 320 | 569 | 560 | 620 | 340 | 345 | 12 | 106 | 95 |
| **400** | 2288 | 2005 | 500 | 401 | 706 | 560 | 620 | 430 | 435 | 12 | 142 | 100 |

① Nominal size • ② Weight (approx.) [kg]

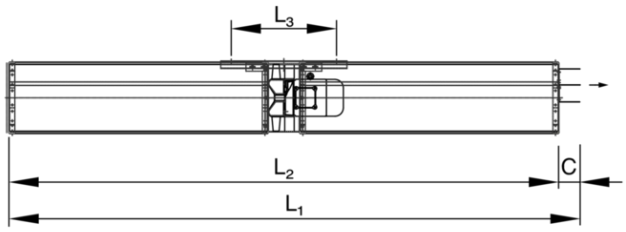
BVGAXO-C



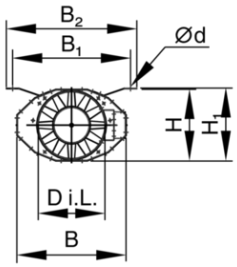

BVGAXO-C



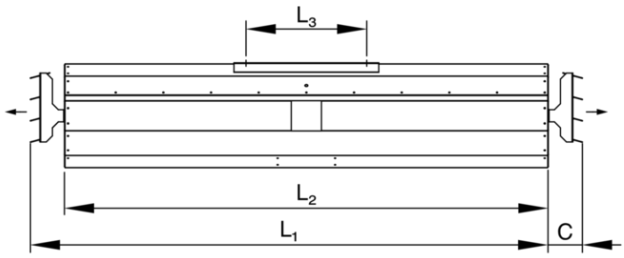

BVGAXN



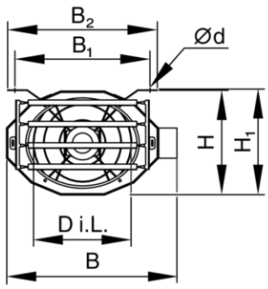

BVGAXN



BVGAXR-C




BVGAXR-C




## DETAILED DESIGN

### HERE YOU'LL HAVE DIRECT ACCESS TO SELECT THE BVGAX VIA THE TROX X-FANS PRODUCT CONFIGURATOR

Following features are at your disposal::

- Based on your requirements of volume-flow, pressure and installation arrangement including desired accessories select the ideal fan…
- Appropriate selection according to required power, sound, nominal size, price and production period
- Options and accessories get assessed for plausibility

- All required documents (e.g. technical specification, tender specification, certificates, drawings etc.) of specific selected fan to be downloaded or send by E-Mail