

# FDA 31-3535

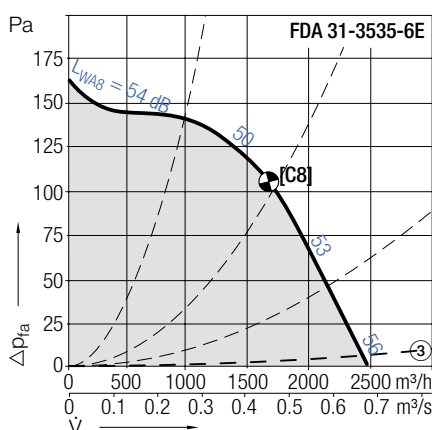
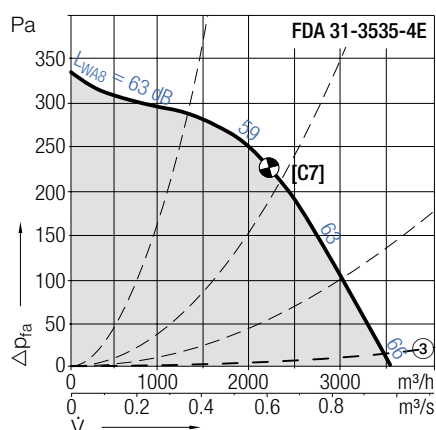
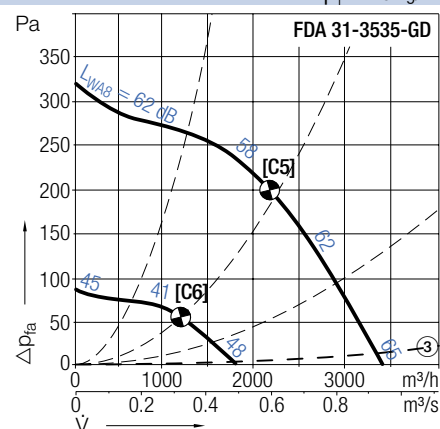
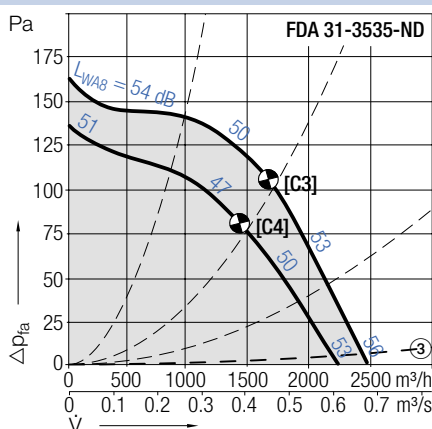
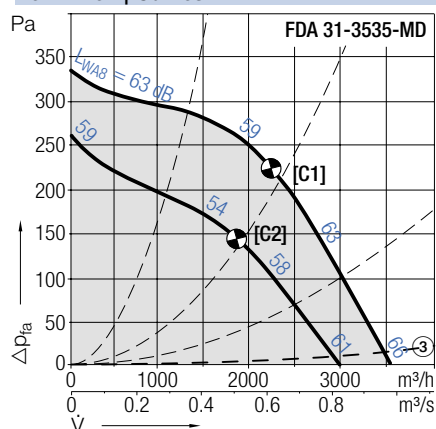
## Technische Daten | Technical Data

|          | Kenn-<br>linien<br><i>Curves</i> | Pol-<br>zahl<br><i>Poles</i> | Spannung/<br>Anschlussart<br><i>Voltage/<br/>Connection</i> | Fre-<br>quenz<br><i>Fre-<br/>quency</i> | Drehzahl<br><i>Speed</i> | max. aufgen.<br>Leistung<br><i>max. power<br/>consumption</i> | Nenn-<br>strom<br><i>Nominal<br/>current</i> | Anlauf-/<br>Nennstrom<br><i>Starting/Full<br/>load current</i> | $V_{\max}$<br><i><math>V_{\max}</math></i> | $L_{WAB}$<br>bei $V_{\max}$<br><i><math>L_{WAB}</math><br/>at <math>V_{\max}</math></i> | Konden-<br>sator<br><i>Capa-<br/>citor</i> | Schutzart/<br>Wärme-<br>kl.<br><i>Protection/<br/>Temp. class</i> | Gewicht<br><i>Weight</i> | Mediums<br>Temperatur<br><i>Media<br/>temp.</i> |
|----------|----------------------------------|------------------------------|-------------------------------------------------------------|-----------------------------------------|--------------------------|---------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------|--------------------------|-------------------------------------------------|
| FDA 31-  | V                                |                              | Hz                                                          | 1/min                                   | kW                       | A                                                             |                                              |                                                                | m <sup>3</sup> /h                          | dB                                                                                      | μF                                         |                                                                   | kg                       | °C                                              |
| 3535-MD• | [C1][C2]                         | 4/4                          | 400, 3~ Δ/Y                                                 | 50                                      | 1340/1080                | 0.35/0.22                                                     | 0.75/0.39                                    | 2.7                                                            | 3470/2910                                  | 66/61                                                                                   | -                                          | IP44/B                                                            | 110                      | -20...+40                                       |
| 3535-ND• | [C3][C4]                         | 6/6                          | 400, 3~ Δ/Y                                                 | 50                                      | 940/ 820                 | 0.17/0.09                                                     | 0.50/0.18                                    | 2.2                                                            | 2400/2160                                  | 56/53                                                                                   | -                                          | IP44/B                                                            | 110                      | -20...+40                                       |
| 3535-GD  | [C5][C6]                         | 4/8                          | 400, 3~ YY/Y                                                | 50                                      | 1280/ 670                | 0.33/0.06                                                     | 0.56/0.15                                    | 2.3                                                            | 3340/1730                                  | 65/48                                                                                   | -                                          | IP54/F                                                            | 111                      | -20...+40                                       |
| 3535-4E• | [C7]                             | 4                            | 230, 1~                                                     | 50                                      | 1340                     | 0.40                                                          | 1.9                                          | 1.8                                                            | 3470                                       | 66                                                                                      | 8                                          | IP44/B                                                            | 110                      | -20...+40                                       |
| 3535-6E• | [C8]                             | 6                            | 230, 1~                                                     | 50                                      | 930                      | 0.15                                                          | 0.72                                         | 1.7                                                            | 2380                                       | 56                                                                                      | 4                                          | IP44/B                                                            | 110                      | -20...+40                                       |

• (auch) stufenlos drehzahlveränderbar | • (also) stepless speed controllable

## Kennlinien | Curves

$\rho_1 = 1.15 \text{ kg/m}^3$



## Zubehör | Accessories

|          | Revisions<br>Schalter<br><i>Isolator</i> | Motorvollschutz<br>Schaltgerät<br><i>Motor<br/>protection unit</i> | Transformator<br>7-stufig<br><i>Transformer<br/>7 taps</i> | Drehzahlsteller<br>5-stufig<br><i>Transformer<br/>5-steps</i> | Drehzahlsteller<br>elektronisch<br><i>Speed regulator<br/>electronic</i> | Drehzahlsteller<br>elektronisch<br><i>Speed regulator<br/>electronic</i> | Drehzahlsteller<br>mikroprozessor<br><i>Speed regulator<br/>micro processor</i> | Drehzahlregler<br>elektronisch<br><i>Speed controller<br/>electronic</i> |
|----------|------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| FDA 31-  | ESH                                      | ESM                                                                | ETO                                                        | ETH                                                           | EPH                                                                      | EPA                                                                      | EPA                                                                             | EPA                                                                      |
| 3535-MD• | 21-0030-65                               | 04-0040-8D                                                         | 10-0010-8D                                                 | 35-0010-8D                                                    | —                                                                        | 63-0080-8D                                                               | —                                                                               | 83-0080-8D                                                               |
| 3535-ND• | 21-0030-65                               | 04-0040-8D                                                         | 10-0010-8D                                                 | 35-0010-8D                                                    | —                                                                        | 63-0080-8D                                                               | —                                                                               | 83-0080-8D                                                               |
| 3535-GD  | 21-0030-65                               | 03-0040-8D ⑥                                                       | —                                                          | —                                                             | —                                                                        | —                                                                        | —                                                                               | —                                                                        |
| 3535-4E• | 21-0030-22                               | —                                                                  | 10-0040-5E                                                 | 31-0020-5E                                                    | 03-0020-5E                                                               | 03-0060-5E                                                               | 93-0023-5E                                                                      | 83-0060-5E                                                               |
| 3535-6E• | 21-0030-22                               | —                                                                  | 10-0018-5E                                                 | 31-0020-5E                                                    | 03-0010-5E                                                               | 03-0060-5E                                                               | 93-0023-5E                                                                      | 83-0060-5E                                                               |



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# FDA 31-3535



## FDA 31-

Gebhardt-Außenläufermotor mit aufgebautem Radiallaufrad. Mit schallabsorbierender Auskleidung

### Zubehör / Index

- Bei Verwendung von Verschlussklappe ZLK in Verbindung mit Sockelschalldämpfer ZDS ist das Zwischenstück ZKK vorzusehen
- Gradzahl in 5° Schritten bis 45° möglich
- Druckabnahme in der Verschlussklappe
- Eine Schutzfunktion ist für die hohe Drehzahl nur bei vorhandener Dahlander-Brücke gewährleistet

## FDA 31-

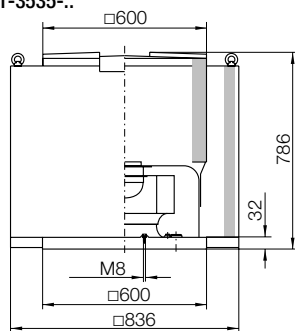
Gebhardt external rotor motor with impeller fitted directly. Equipped with sound absorbing lining.

### Accessories / Index

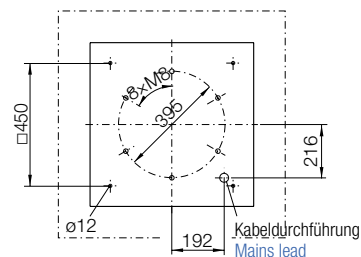
- When using back draught damper ZLK in connection with silencer upstand ZDS a spacer ZKK is required
- inclination in 5° steps up to 45° possible
- Pressure loss at back draught damper
- A protection for high speed is only active if Dahlander bridge is on place

Abmessungen in mm, Änderungen vorbehalten.

FDA 31-3535-..



Dimensions in mm, Subject to change.



### Zubehör

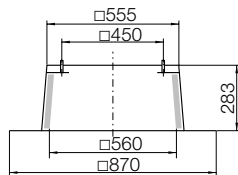
ZBS 01-0056 [Al] 5 kg

ZBS 20-0056 [St] 10 kg

Flachdachsockel

Flat roof

upstand

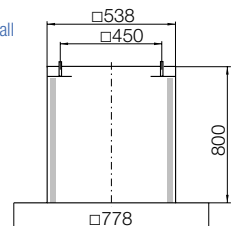


ZBS 23-0056 [St] 14 kg

Flachdachsockel hoch

Flat roof

upstand tall

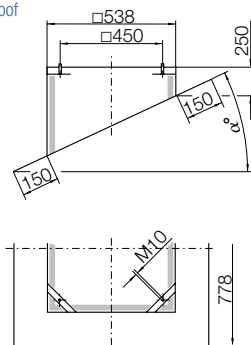


ZBS 09-0056-② [Al] 6 kg

Schrägdachsockel

Inclined roof

upstand

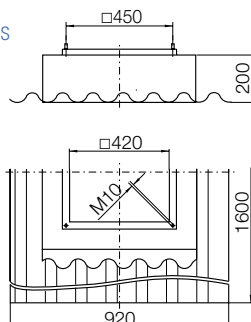


ZBS 11-0056 [GFK] 12 kg

Welldachsockel

Soaker

sheet WDS



### Accessories

ZDS 01-0056 [Al] 29 kg

ZDS 20-0056 [St] 40 kg

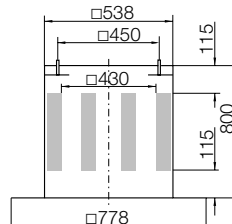
Sockelschall-

dämpfer

Upstand

silencer

①



ZDS 09-0056-② [Al] 29 kg

Schrägdach-

sockelschall-

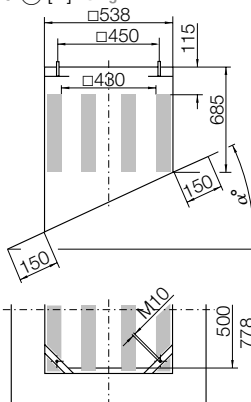
dämpfer

Inclined roof

upstand

silencer

①



ZDR 30-0355 17 kg

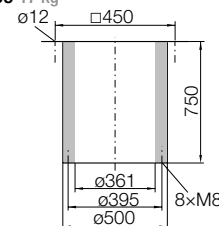
Eintritts-

schall-

dämpfer

Inlet

silencer



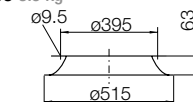
ZKD 01-0355 3.5 kg

Einstromdüse

mit Flansch

Flanged

inlet cone

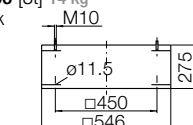


ZKK 20-0056 [St] 14 kg

Zwischenstück

Spacer

①



ZBU 01-0056-35 [St] 6 kg

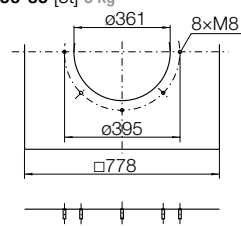
Anschluss-

boden

Connection

plate

①



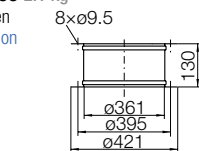
ZKE 11-0355 2.1 kg

Ansaugstutzen

Inlet connection

(flexible)

①

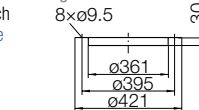


ZKF 11-0355 0.9 kg

Ansaugflansch

Mating flange

①



ZLK 01-0355 7 kg

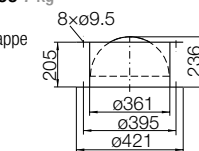
Selbsttätige

Verschlussklappe

Automatic

shutter

①



ZLK 21-0355 11 kg

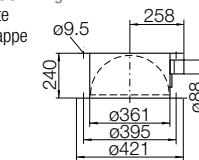
Motorbetätigte

Verschlussklappe

Motor drive

shutter

①

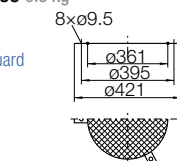


ZSG 04-0355 0.6 kg

Berührungsschutzgitter

Mesh inlet guard

①



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