

# **BDB**

---

DOUBLE INLET  
CENTRIFUGAL FAN  
WITH BACKWARD WHEELS

# BDB Series

## DOUBLE INLET CENTRIFUGAL FAN with Backward Wheels



Kruger\* certifies that the **BDB Series** shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA publication 211 and AMCA publication 311 and comply with the requirements of the AMCA Certified Ratings Program.



\*Kruger Ventilation Industries Asia Co., Ltd.



\*Guangzhou Kruger Ventilation Co., Ltd.



\*Kruger Ventilation Industries (Thailand) Co., Ltd.



\*Shanghai Kruger Ventilation Co., Ltd.



\*Kruger Ventilation (Taiwan) Co., Ltd.



\*Tianjin Kruger Ventilation Co., Ltd.



\*Kruger Ventilation Industries (India) Pvt. Ltd.



\*Wuhan Kruger Ventilation Co., Ltd.



\*Kruger Ventilation Industries (Vietnam) Co., Ltd.



\*Kruvent Industries (M) Sdn Bhd



\*Kruger M&E Industries Corporation



\*PT Kruger Ventilation Indonesia



## BDB Series

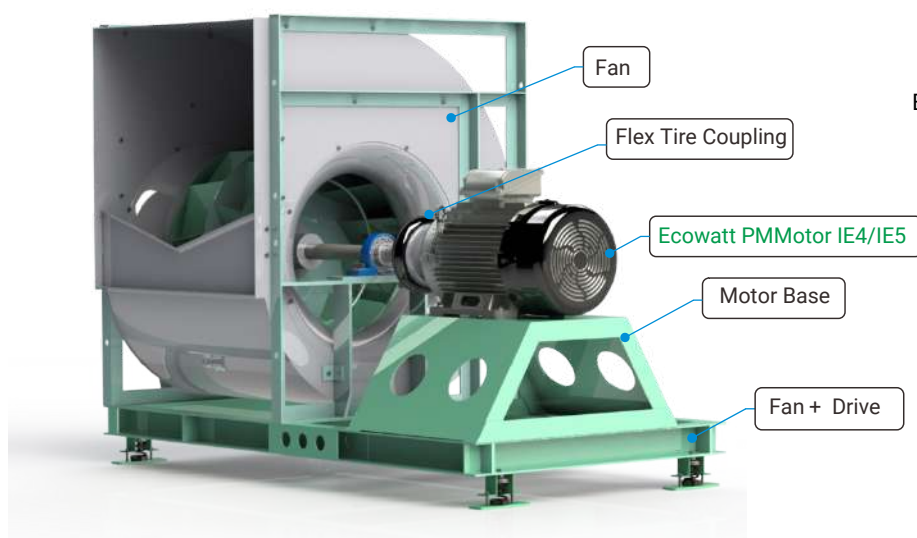
### Double Inlet Centrifugal Fans – Backward Wheels

The BDB series is DIDW centrifugal fans with high efficiency non-overloading backward curved impellers. The fans are suitable for supply or extract applications in commercial, process and industrial HVAC systems. Sizes of this series are in accordance with AMCA standard 99, section 5, R20.

## BDB Series – Direct Coupling

### Product Description

- Centrifugal fans BDB series, double inlet, direct drive through coupling with built-on AC or PM motor.
- Designed in accordance with AMCA Drive Arrangement 7 or ISO Drive Arrangement 17.
- High energy saving particularly long operating hours with Kruger's Ecowatt system (PM Motor + Drive + Controls).
- Fan and drive unit attached to a common rigid and stable steel base frame as standard with option for stainless steel base frame.
- Full range of BDB 315mm to 1400mm wheel with all fan classes.
- Optimal aerodynamics due to the large free cross section and minimal flow restriction into the impeller.
- Reliable, flexible and adaptable flex coupling for trouble free operation and installation.
- Speed regulation with Kruger approved inverter drive working together with piezometer ring for either constant airflow or constant pressure operation.
- Fully assembled fan trim balanced to ISO 14694:2003 & AMCA 204, G2.5 Standard. G1.0 Standard is available upon request.
- Not available on twin wheel.



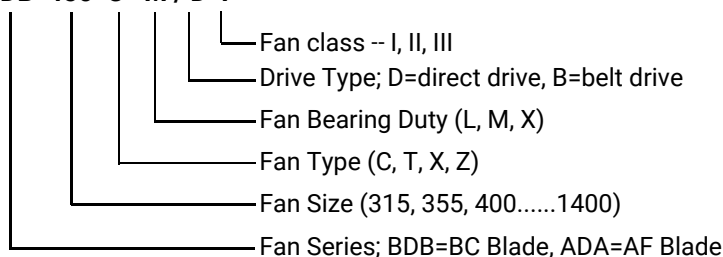
### Best Total System Efficiency

$$\eta = \text{Fan\%} \times \text{PM Motor \%} \times \text{VFD\%}$$

$$= 84\% \times 96\% \times 98\% = 79\%$$

## Nomenclature

MODEL: BDB 450 C M / D I



Model 315 to 710

|          |     |                   |
|----------|-----|-------------------|
| Type S-C | I   | Model 800 to 1400 |
| Type T   | II  | I                 |
| Type X   | III | II                |
| Type Z   |     | III               |

Table 1

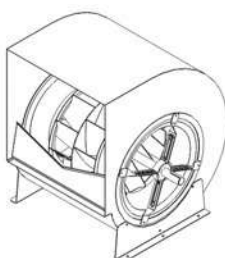
### Type / Operating Limit

Each fan type has its maximum operating speed and power due to its mechanical design.

The operating limit of ADA series - fan type is design to meet the requirement of class I, II and III limit as defined in AMCA standard 99, section 14, Fig 1.

The ADA series is available in type S, C, T, X or Z.

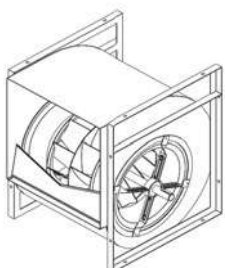
S type is not available for direct coupling.



### Type S

This type is supplied with mounting feet and can be mounted in three different orientations. The construction is mainly for OEM application which only subject to testing and approval.

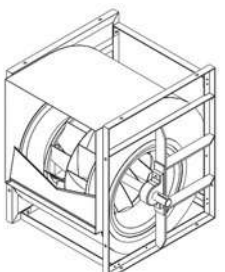
Fan Size: 315 to 710  
Volume: 1900 to 50000 m<sup>3</sup>/h  
Total Pressure: up to 2000 Pa



### Type C

This type has a frame fitted on both sides of the fan which gives Better strength and rigidity. It allows mounting in four different orientations.

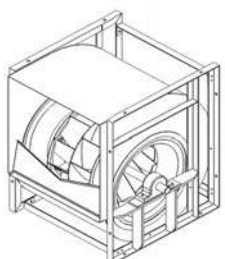
Fan Size: 315 to 710  
Volume: 1900 to 50000 m<sup>3</sup>/h  
Total Pressure: up to 2000 Pa



### Type T

This type has a welded frame giving increased stiffness and rigidity for higher operating performance.

Fan Size: 315 to 1400  
Volume: 1900 to 190 000 m<sup>3</sup>/h  
Total Pressure: up to 2500 Pa

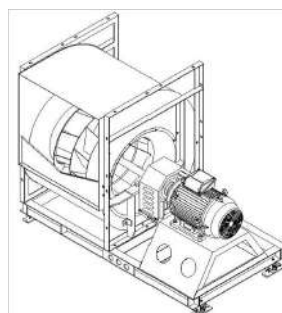
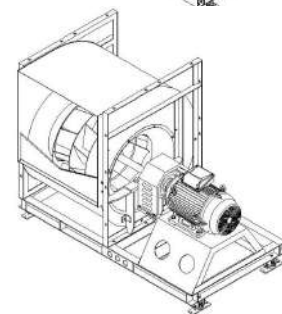
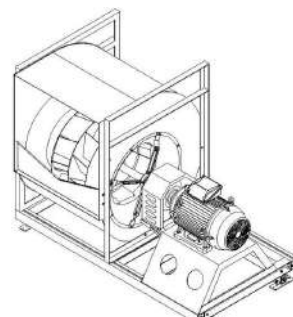


### Type X/Z

The structure is similar to type T but utilizes enhanced bearings to support higher dynamic load necessary for the increased performance.

Fan Size: 315 to 1400  
Volume: 1900 to 260 000 m<sup>3</sup>/h  
Total Pressure: up to 3200 Pa

Type Z is non-standard, for more information, please consult your nearest Kruger Office for details.





## Kruger Motor

- Reliable Induction Motor with Energy efficiency classes IE1/IE2/IE3.
- Premium Efficiency Permanent Magnet Motor IE4/IE5 are also available as standard.
- Design Standards BS 4999, BS 5000, IEC 60034, IEC 60072.
- Rated voltage 380-415 Hz/50Hz  $\pm$  10%.
- Stator Insulation; Class F Insulation; Class B Temperature Rise.
- Horizontal foot mounting or flange mounting: B3; B5, B14, B34; B35; V1.
- Standard Ambient Temperature: -20°C to 40°C; RH: <90% RH (non-condensation); Altitude < 1000m above sea level.



**Best Efficiency 96%**

## Kruger Drive

- High Performance Inverter Drive with advanced vector control technology.
- Energy saving by PID function for Demand Controlled Ventilation.
- Easy control by Analog signal 0-10V, 4-20mA and RS485 Modbus RTU.
- Various drives both AC induction motor and permanent magnet synchronous motor.
- IP54 protection rating, independent duct design (IP20) also available.
- Safety by STO (safe Torque Off) and fire overdrive function.
- Wide range of output power 2.2kW – 220kW.



**Best Efficiency 96%**

## Kruger Demand Controlled Ventilation

- Automatic close loop PID control by TDP-PI Ventilation controller
  - Constant Airflow control (with piezometer ring)
  - Constant Differential pressure control

Controller will maintain Pressure or Airflow set value by changing fan speed automatically as per actual load demand.

- Manual speed control by REB-Ecowatt
  - Adjust Fan speed by your hand with potentiometer 10k ohm



## Flex Couplings

- High quality standard SKF flex couplings are used.
- Designed to accommodate misalignment and shock loads and damper vibration levels.
- Easy to install and maintenance free.
- Natural rubber compounds for application ranging from -50°C to +50°C.
- Couplings selection based on service factor as recommended by manufacturer.
- Other types of coupling are available upon request and approve by factory.



## Why Choose Kruger Ecowatt Direct Coupling System?

- Ecowatt is high efficiency product family that utilizes a Super Premium Efficiency Motor in combination with demand-controlled ventilation to control fan performance as per actual load demand.
- Highly efficient backward curved with FEG rating from 85-90 with direct coupling reduces frictional losses and optimizes transmission and improves energy costs.
- Direct electrical energy transmission to the impeller increases the overall fan system efficiency.
- In addition, zero belt wears and break on belt improves reliability and productive run time and unnecessary maintenance.
- Overall, it means saving in total cost and long-term energy cost, extended service life and versatility in application.



## Typical applications:

- Air handling unit installations in commercial or industrial settings running on 24/7 and a low energy input is required.
- Air handling unit installations where high static pressure and high airflow in a zero-contaminant environment is required.
- Examples are AHU installations for electronics, semiconductors, pharmaceutical, life sciences, OT rooms, food industries and other manufacturing industries that requires clean/contaminant free clean rooms.
- Air handling unit installations where conventional belt driven high energy input system is to be refurbished.

### BDB Twin Fan

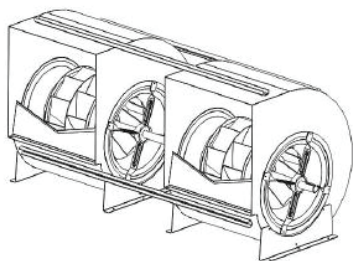
BDB series are also available in twin fan version, with two double inlet fans mounted on the same shaft.

To select for twin fans, use the curves of single fan with the following factors: -

|                |        |
|----------------|--------|
| Volume         | x 2    |
| Absorbed Power | x 2.15 |
| Speed          | x 1.05 |
| Noise          | + 3 dB |

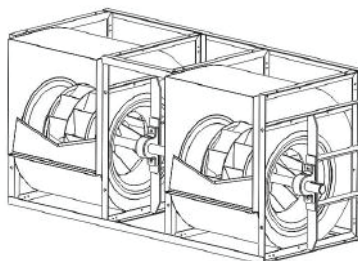
This series is available in type S2, C2 or T2

Performance of Twin fans are not AMCA licensed



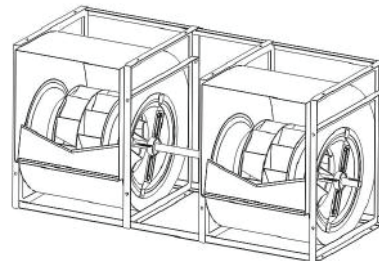
#### Type S2

Size: 315 to 500  
5000 to 50000m<sup>3</sup>/h



#### Type C2

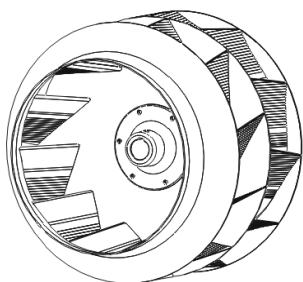
Size: 315 to 500  
5000 to 50000m<sup>3</sup>/h



#### Type T2

Size: 355 to 630  
10000 to 80000m<sup>3</sup>/h

## TECHNICAL SPECIFICATION



### Wheel

The wheel of BDB series is made of cold rolled sheet steel backward curved blades with polyester powder coating finish. Alternative construction material in aluminum and stainless steel are available upon request. Check with Kruger for the limits of operation of these materials.

### Housing

For all sizes except 1250 and above, the housing is manufactured in galvanized sheet steel with the housing fixed to the side plates in "pittsburg lock" form system.

Housings for 1250 and 1400 are manufactured in mild steel finished with polyester powder coating.

Fully welded housings are available upon request. Stainless steel housing is also available upon request.

### Frame

The frame is manufactured with galvanized angular bars for type "C". For type "T" and "X", they are manufactured with sections of steel and finished with polyester powder coating.

Stainless steel frame is available upon request.

### Shaft

Shafts are manufactured from C45 carbon steel using an automatic process for positioning and cutting of the keyways. All dimensional tolerances of the shaft are fully checked to ensure a precision fit and then coated with an anti-corrosion varnish after assembly. Stainless steel shaft is available upon request.

### Bearing

Bearings used are either deep grooved ball bearing type with an adapter sleeve or spherical roller bearing type sealed at both sides for different duty application classified below:

| Mounted in a rubber housing |                                                                                                                                                                                                                                                                                 |                           | Mounted on cast iron supports with grease point |                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------|---------------------------|
| Fan Type                    | <b>S</b><br>                                                                                                                                                                                                                                                                    | <b>C</b><br>              | <b>T</b><br>                                    | <b>X</b><br>              |
| Bearing Duty                | <b>SM</b> Medium Duty<br>                                                                                                                                                                                                                                                       | <b>CM</b> Medium Duty<br> | <b>TM</b> Medium Duty<br>                       | <b>XM</b> Medium Duty<br> |
|                             | <b>eg. Model: BDB 450 C M</b><br><div style="margin-left: 100px;"> </div> <div style="margin-left: 100px;">             Fan Bearing Duty (L, M, X)<br/>             Fan Type (S, C, T, X, Z)<br/>             Fan Size<br/>             (315, 355, 400...1400)           </div> |                           | <b>TX</b> Extra Heavy<br>                       | <b>XX</b> Extra Heavy<br> |

The bearings are lubricated for life and maintenance-free. If re-lubrication is necessary, it is recommended to use a lithium base grease suitable for all temperatures with the limits of operation.

### Balancing Quality

All wheels are statically and dynamically balanced to ISO1940 and AMCA 204 – G2.5 standard.

All fans after assembly are trim-balanced to ISO1940 and AMCA 204 - G2.5 standard.

Clean room application fans with balancing grade of G1.0 are available upon request.

## ACCESSORIES

### Casing Drain

This option is available when fans are exposed to the atmosphere or operating in high humidity condition.

### Outlet Flanges

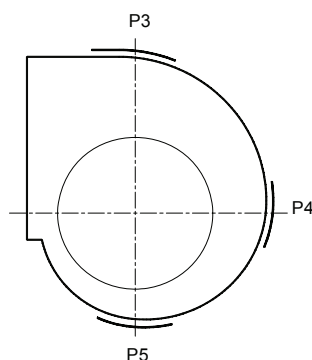
Outlet flanges are available upon request.

### Inspection Doors

The inspection door can be supplied upon request. It can be supplied in one of the three positions (P3, P4 & P5).

### Guards

Inlet guards, discharge guards and non-drive end shaft guards are available on request.

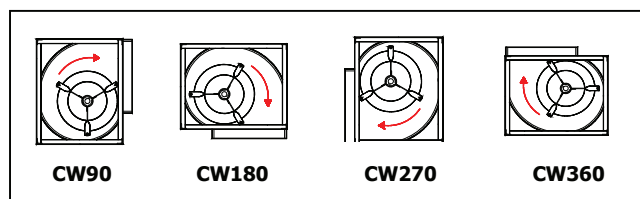


## Fan Rotation and Discharge

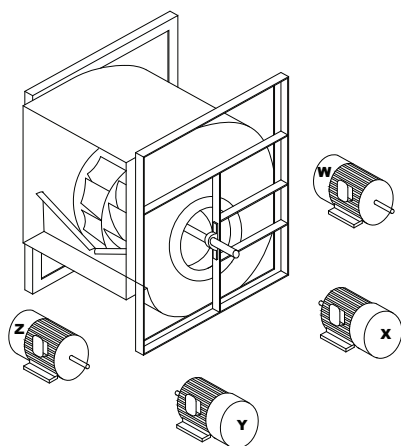
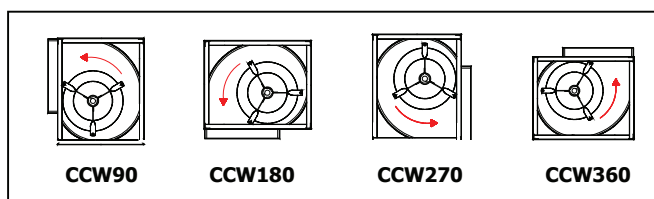
The rotation and discharge of the fan is in accordance with AMCA standard 99, section 11

The direction of rotation is determined from the drive side of the fan:

### CW - clockwise rotation



### CCW - counter-clockwise rotation

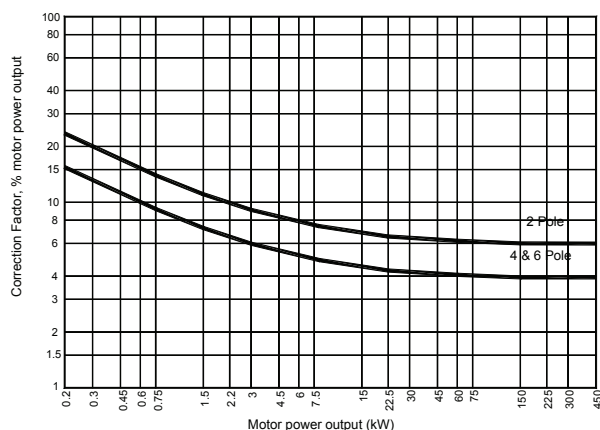


## Motor Position

The position of the motor for belt drive centrifugal fan is in accordance with AMCA standard 99, section 12

Location of motor is determined by facing the drive side of fan and designated by letters W, X, Y, or Z.



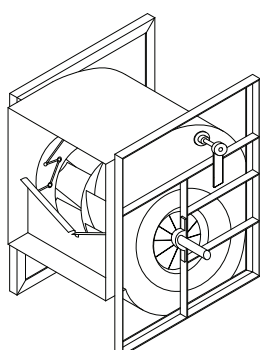


### Motor Selection

The power curves shown on each performance graph represent the absorbed power at the shaft of the fan measured in kW.

To determine the power of the motor to be installed, a correction factor should be applied to compensate for transmission losses.

For conversion to horsepower (HP), use multiplying factor 1.34.



### Inlet Vane Control

The inlet vane control enables energy saving that varies according to the vane control methods compared to traditional volume control methods.

Fig.1 shows the volume reduction corresponding to the vane position.

- with vane fully open (Pos 90°)  
the volume will be 3% less than the catalogue performance.
- with vane fully closed (Pos 0°)  
the volume will be reduced by 75%.

Performance of Inlet vane control is not AMCA licensed.

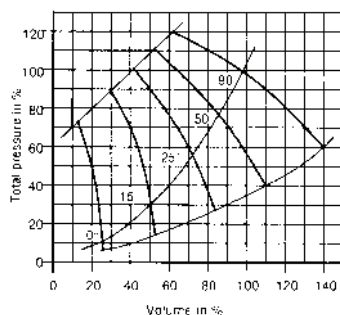


Fig. 1

### IVC orientation and accessories

The standard orientation and lever position for the IVC is indicated in Fig.2. When ordering a complete fan with IVC and accessories, please specify as follow:

Fan orientation e.g. CCW270  
lever position e.g. Pos. 45°

Example : Fan Model – CCW270/P45

| Orientation        | 90       | 180      | 270      | 360      |
|--------------------|----------|----------|----------|----------|
| IVC Level Position | 225°<br> | 315°<br> | 45°<br>  | 135°<br> |
|                    | 315°<br> | 45°<br>  | 135°<br> | 225°<br> |

Fig. 2 - IVC Orientation and Level Position

**Dynamic Pressure**

Both dynamic pressure and outlet air velocity values shown on each graph are calculated base on the full discharge area, i.e. ducted outlet condition.

With free outlet condition the velocity pressure is higher. To determine this new value multiply the velocity pressure of the ducted outlet obtained from the fan curve by the following correction factor "K".

$$K = 1.67$$

Fan performance calculated with this correction factor is not licensed by AMCA.

**Performance**

The performance data shown on each graph is derived from tests conducted in accordance to AMCA Standard 210 – Fig 12 – installation type B (free inlet and ducted outlet condition).

Ratings refer to the standard air density with the total pressure as a function of the air volume, using logarithmic scale.

It is essential that the same installation type and test standards are used at all times when comparing fan performance.

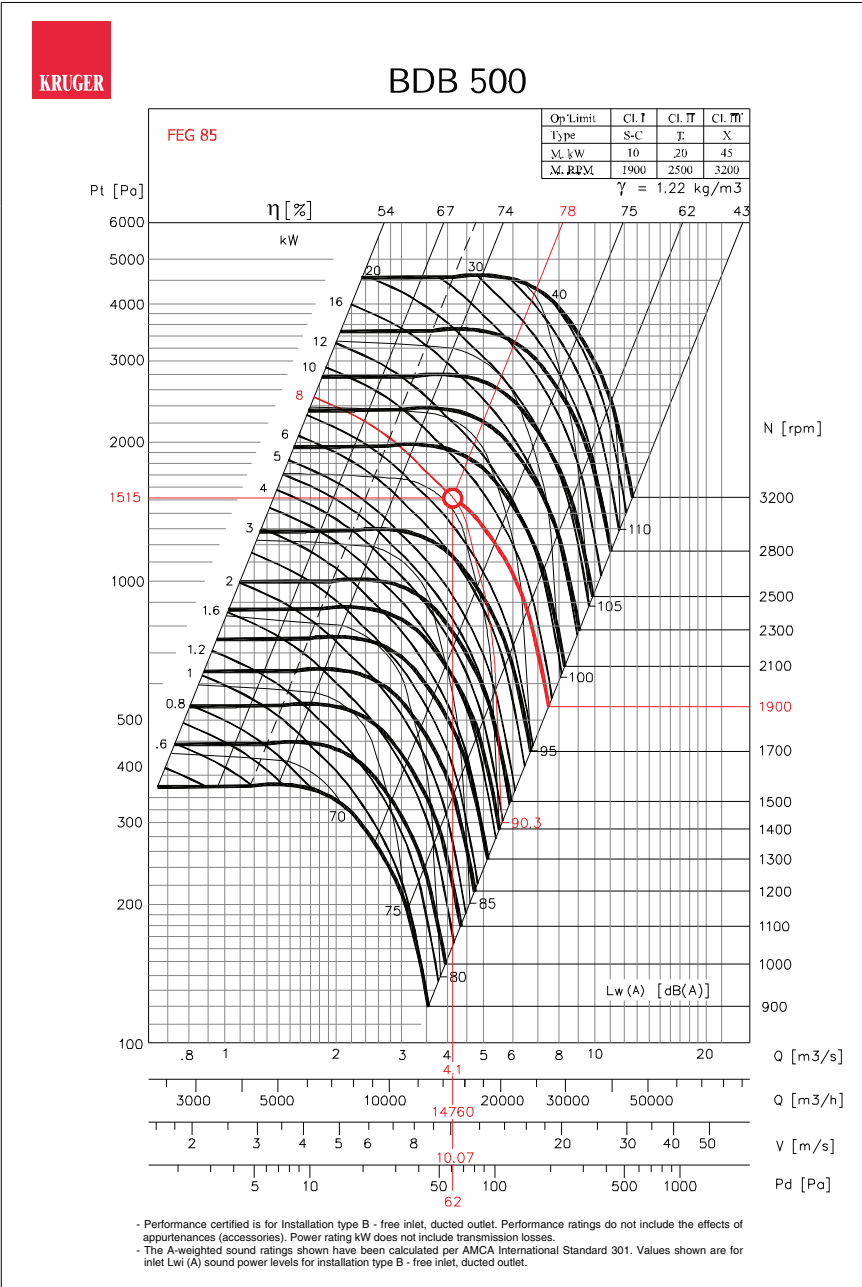
**Noise**

The noise levels shown on each graph refer to the "A-weighted" sound power values and the data on the inlet side has been measured in accordance with AMCA Standard 300 diag. 2 - configuration "B". The noise levels of fans are determined as follow :

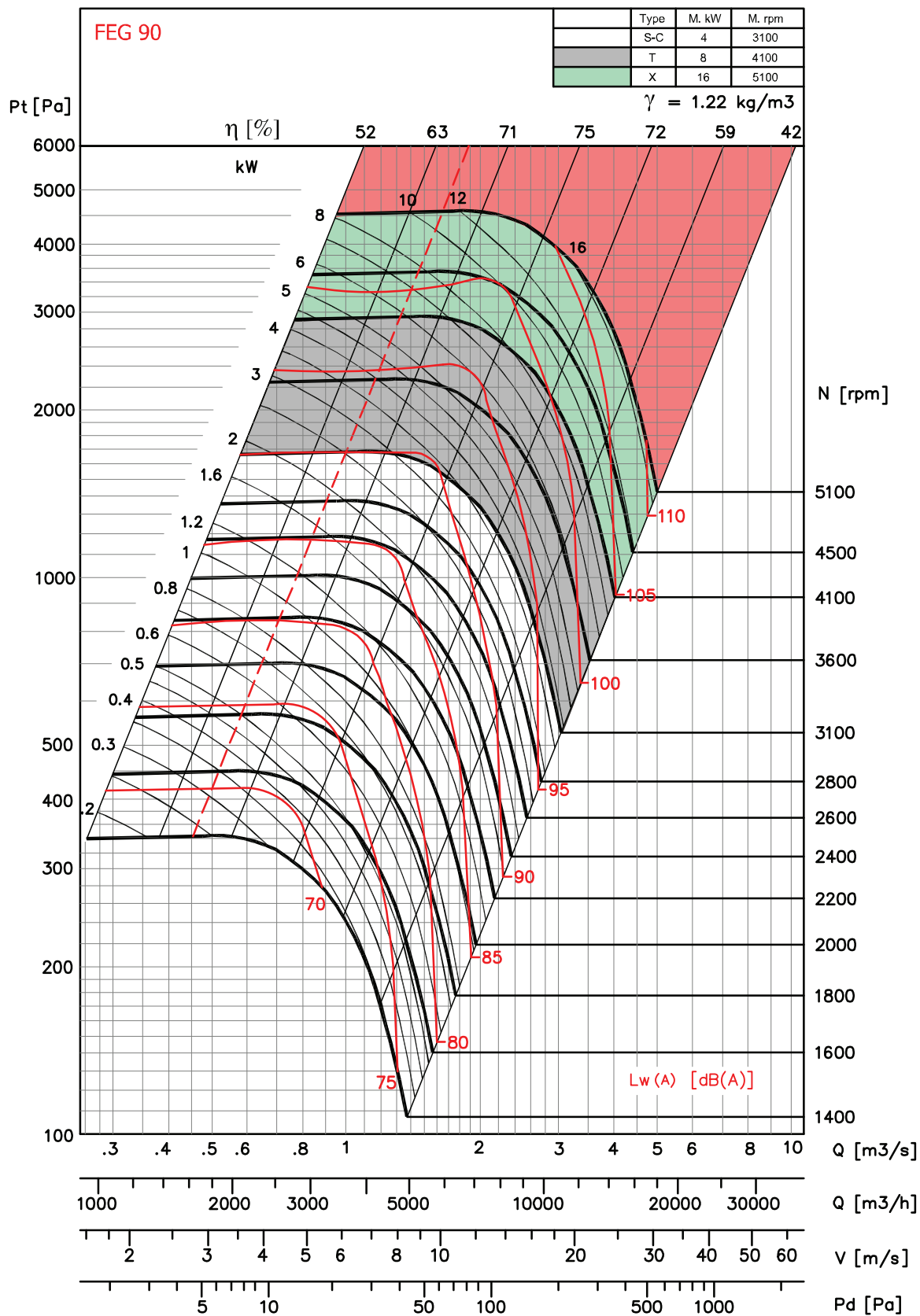
- Sound power level - ("A" scale):  $L_w(A)$  as catalogue
- Octave band spectrum:  $L_w = L_w(A) + L_w \text{ rel. dB}$  [refer to Kruger for more details]
- Sound pressure level:
  - a) free field  
 $= L_w(A) - (20\log_{10}d) - 11$
  - b) room conditions  
 $= L_w(A) - (20\log_{10}d) - 8$where  $d$  = distance from fan (m)

# Example of Selection

|                   |                                  |
|-------------------|----------------------------------|
| Air Volume        | $Q = 14760 \text{ m}^3/\text{h}$ |
| Outlet Velocity   | $V = 10.07 \text{ m/s}$          |
| Dynamic Pressure  | $P_d = 62 \text{ Pa}$            |
| Total Pressure    | $P_t = 1515 \text{ Pa}$          |
| Fan Speed         | $N = 1900 \text{ rpm}$           |
| Absorbed Power    | $W = 8 \text{ kW}$               |
| Total Efficiency  | $\eta = 78 \%$                   |
| Sound Power Level | $L_w(A) = 90.3 \text{ dB(A)}$    |

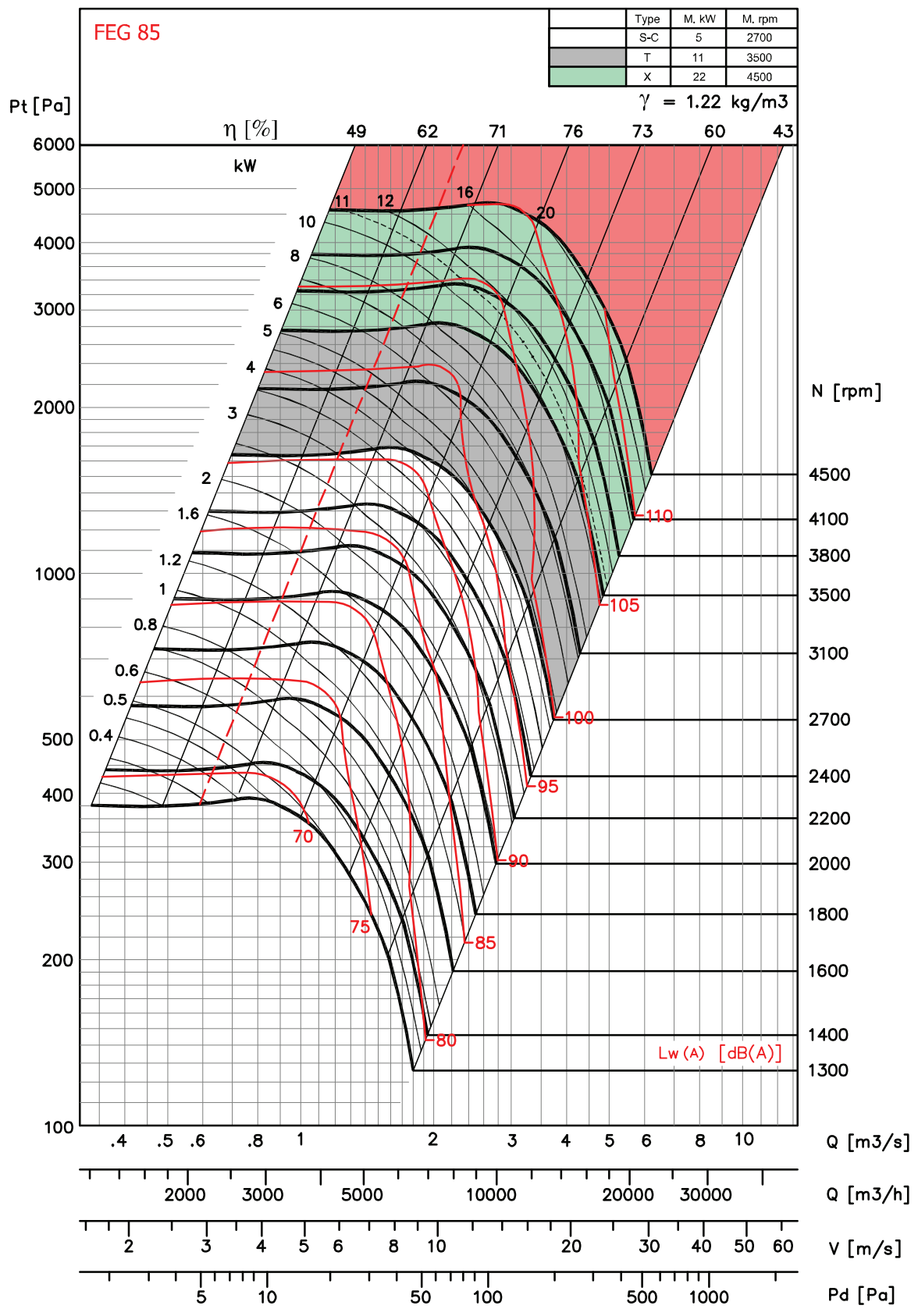


## BDB 315



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.

# BDB 355

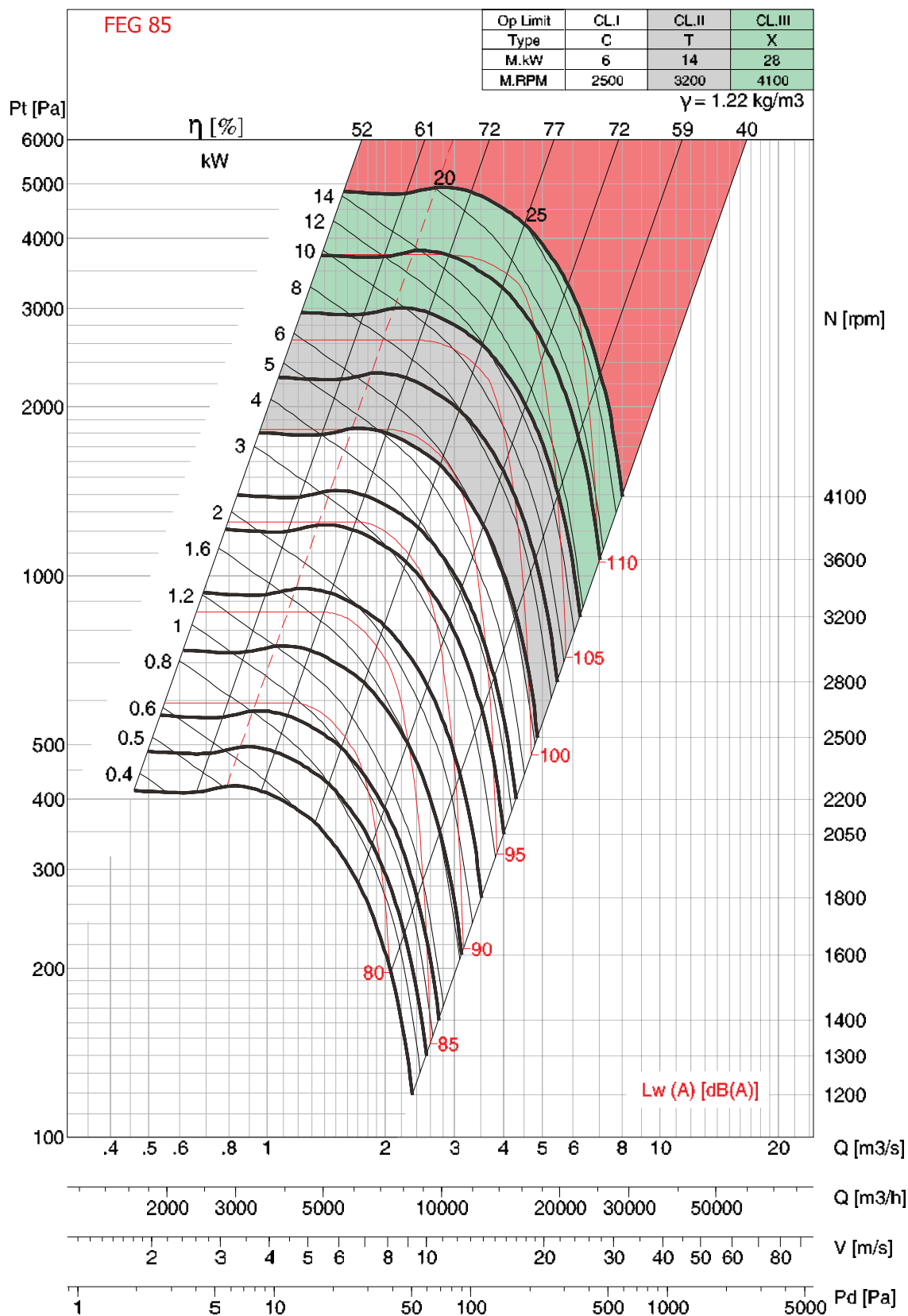


- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.



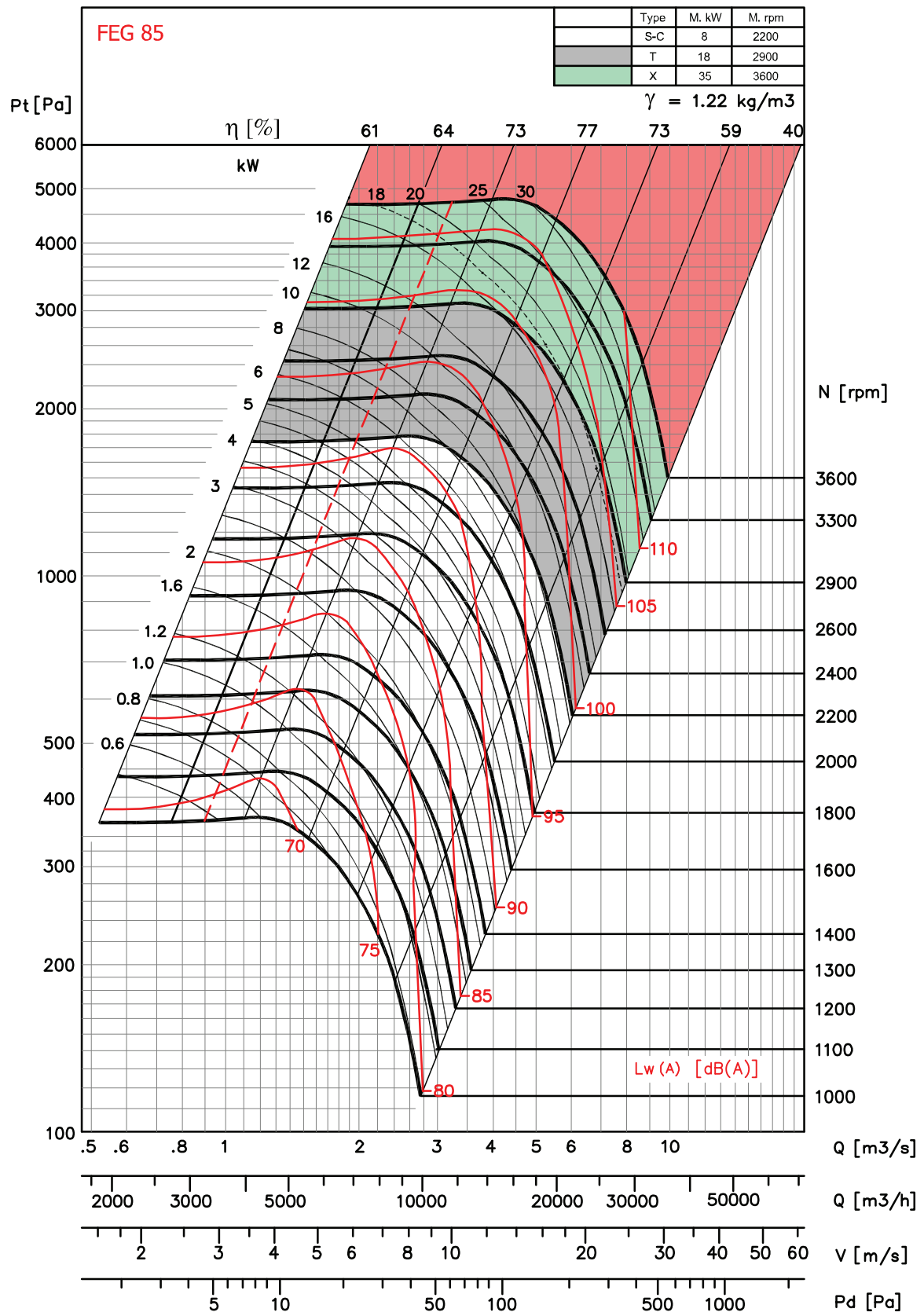
## BDB 400



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.

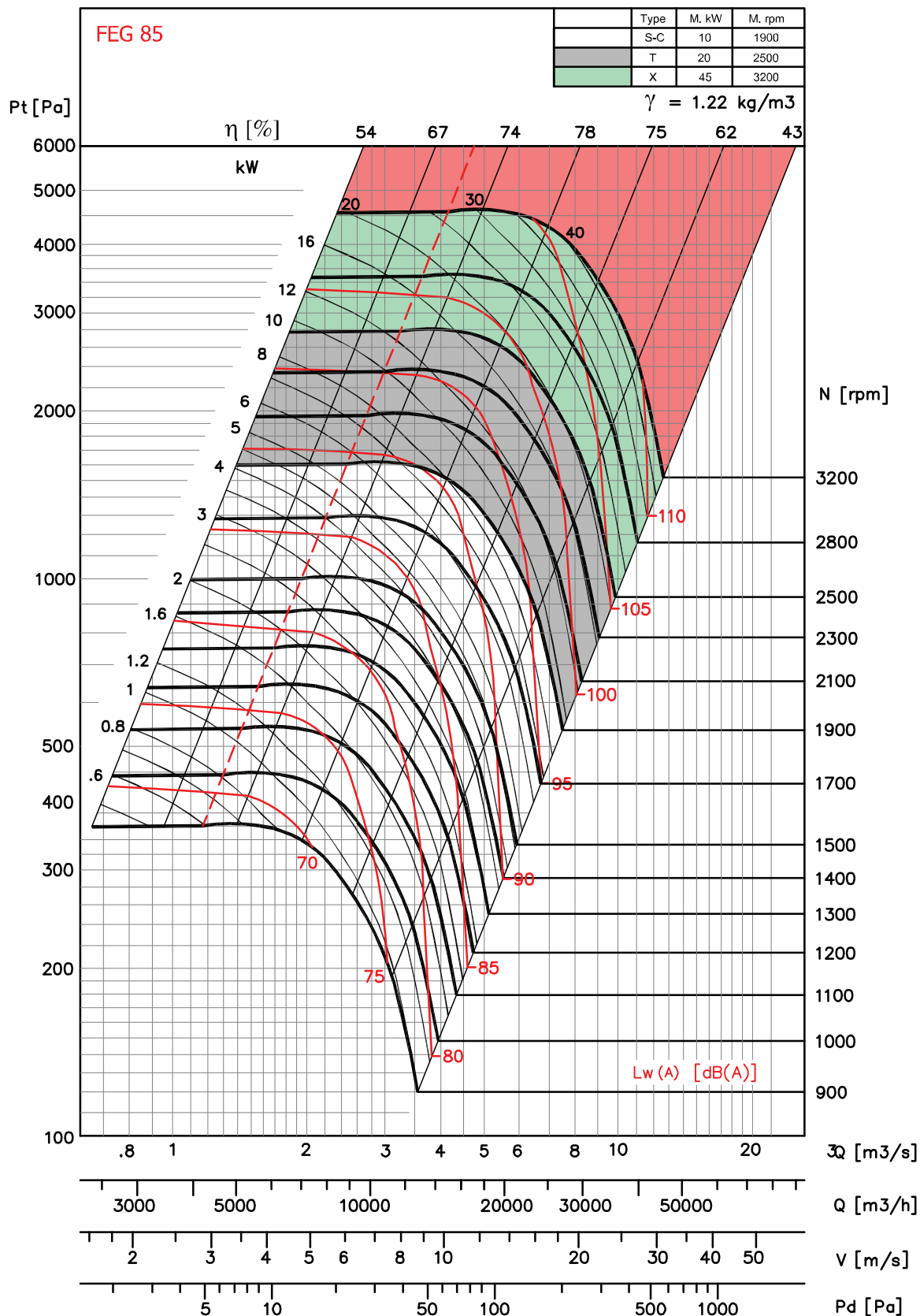
# BDB 450



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

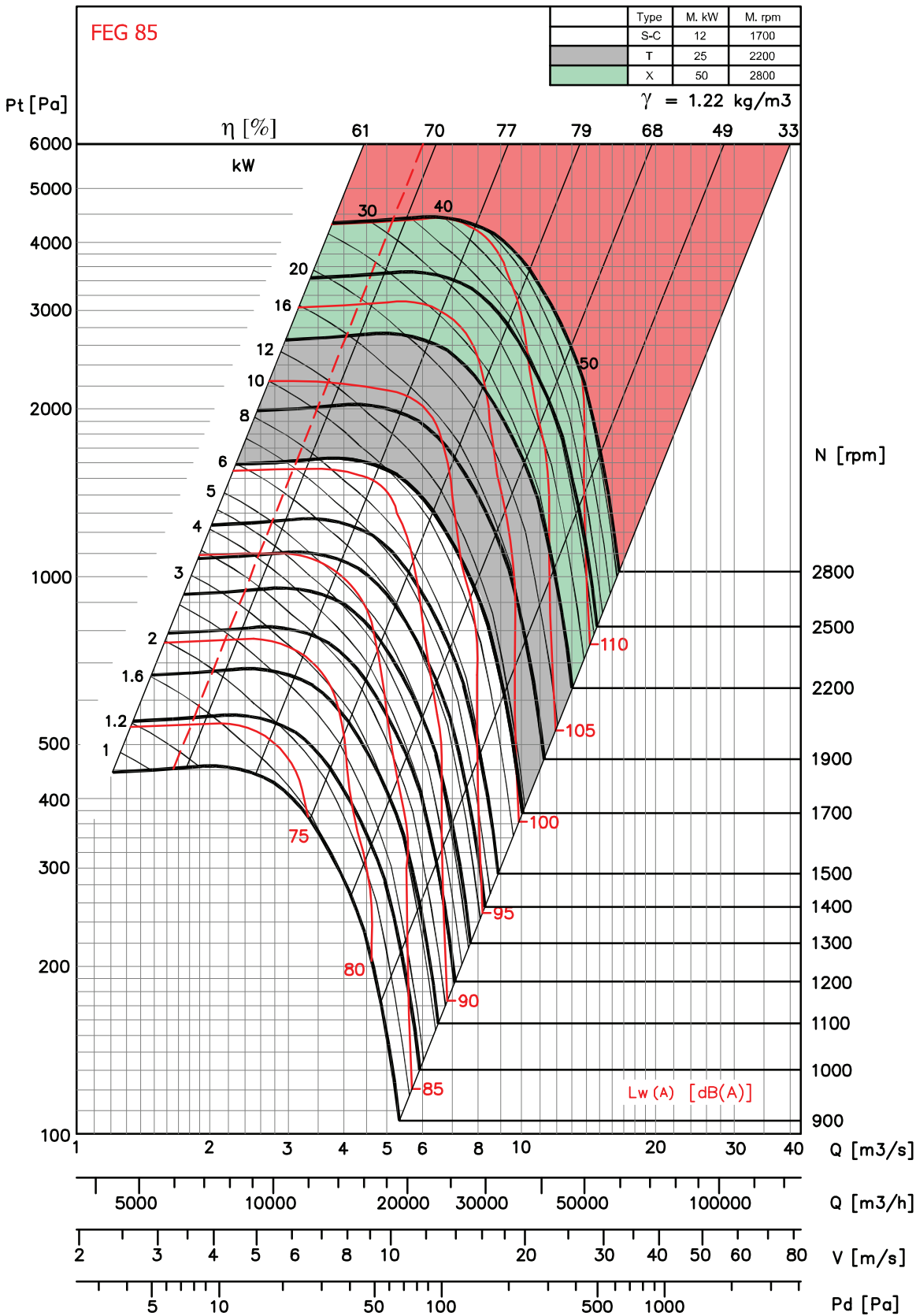
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.

## BDB 500



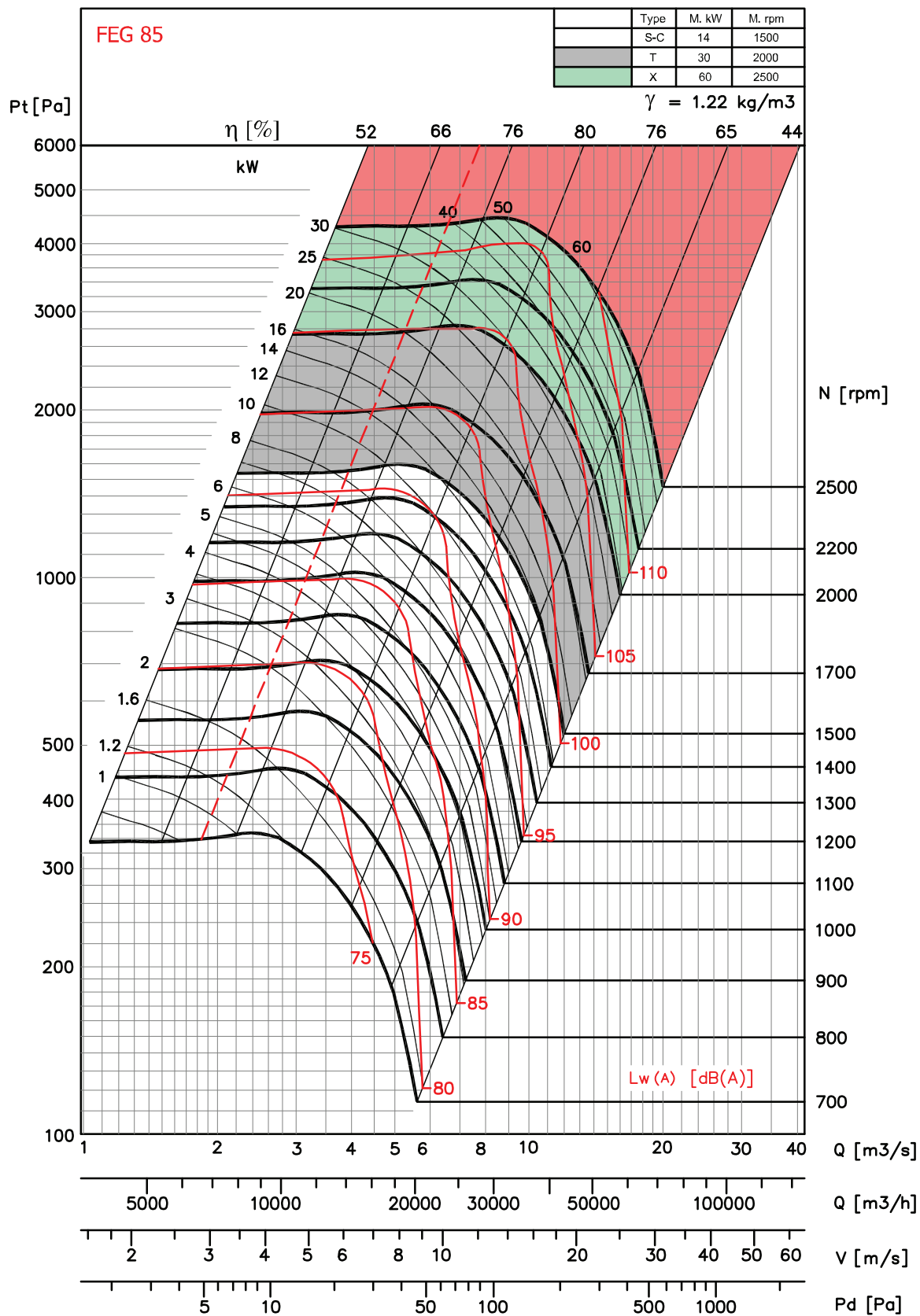
- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}$  (A) sound power levels for installation type B - free inlet, ducted outlet.

# BDB 560



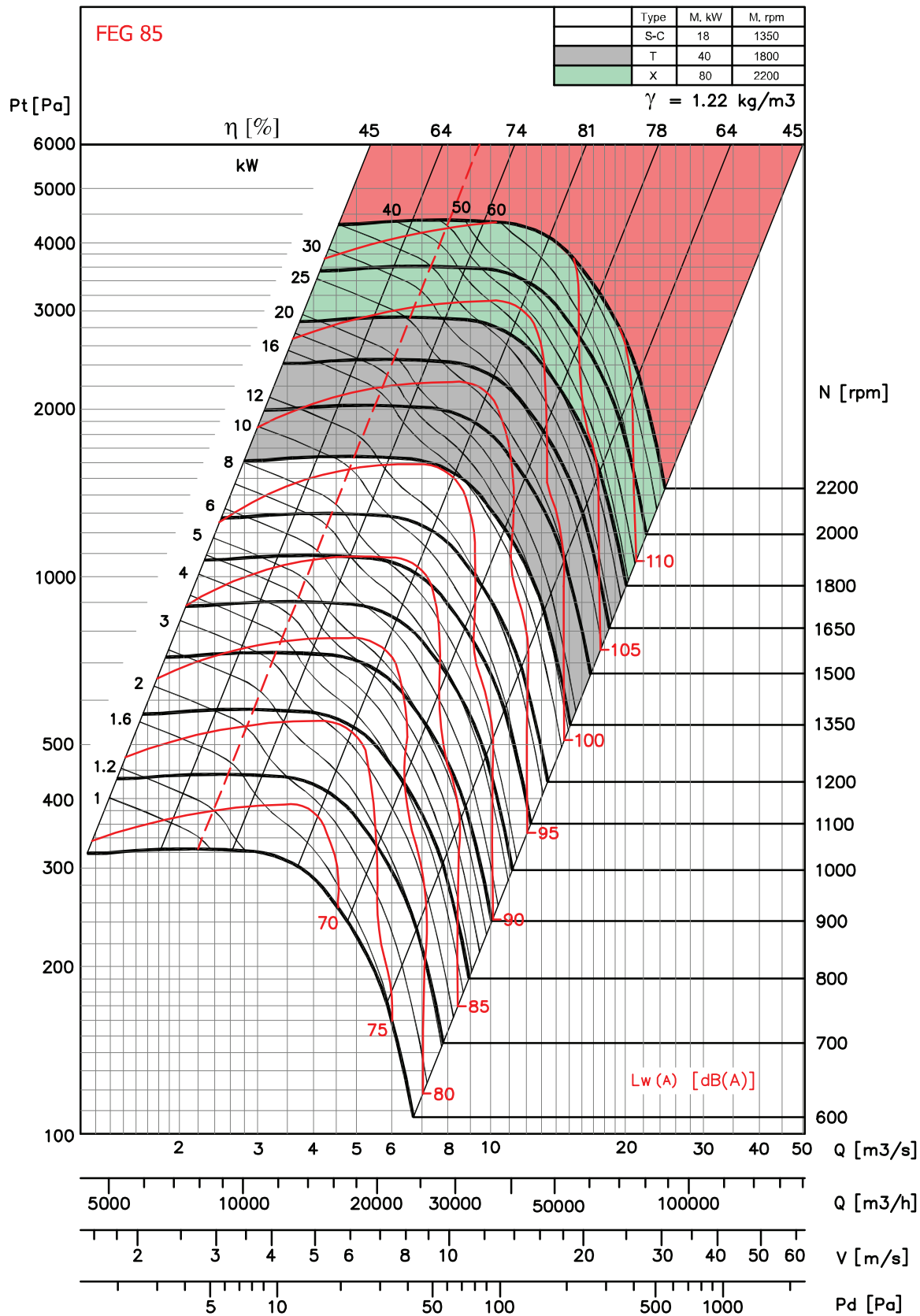
- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.  
 - The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}$  (A) sound power levels for installation type B - free inlet, ducted outlet.

## BDB 630



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}(A)$  sound power levels for installation type B - free inlet, ducted outlet.

BDB 710

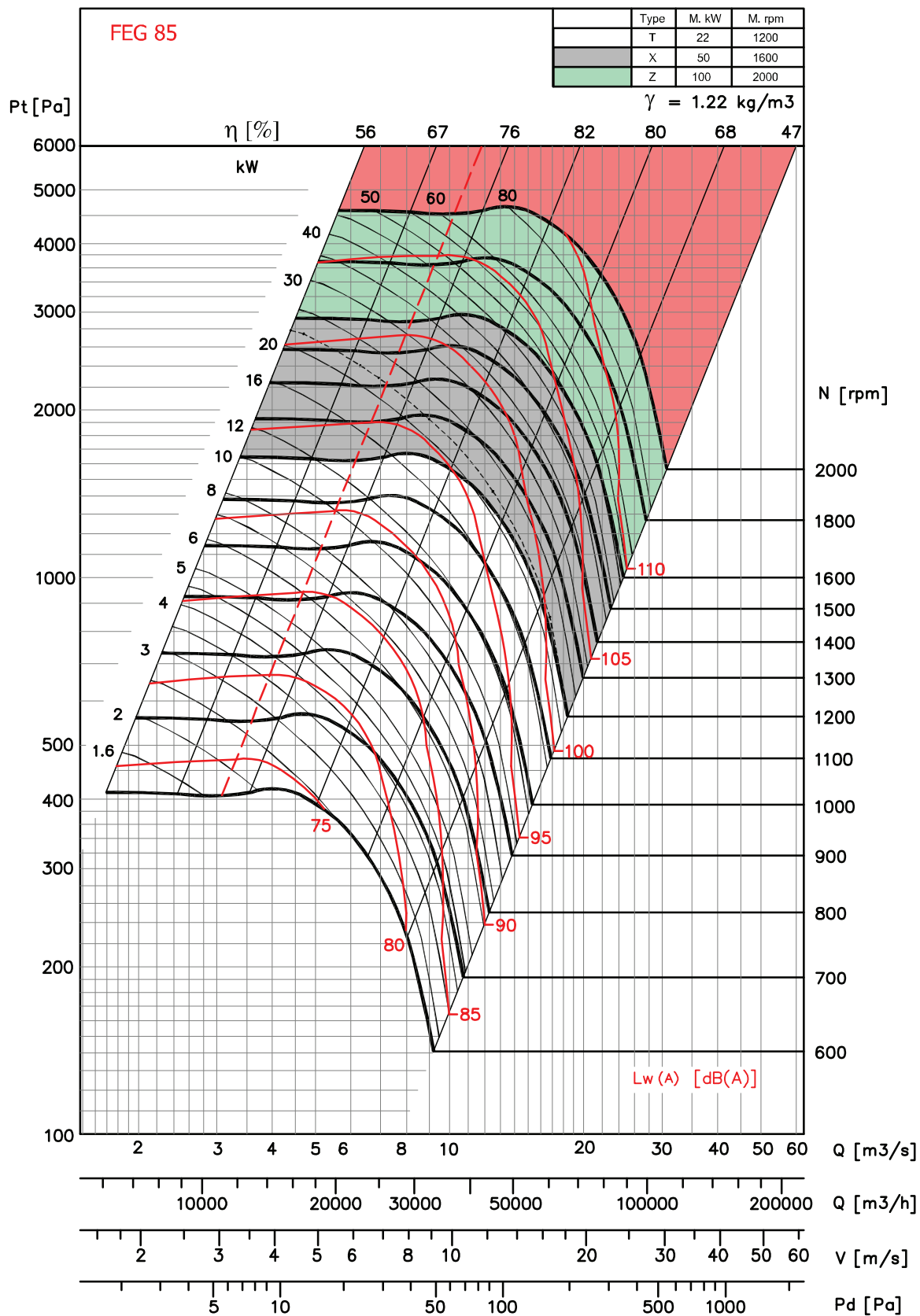


- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}(A)$  sound power levels for installation type B - free inlet, ducted outlet.

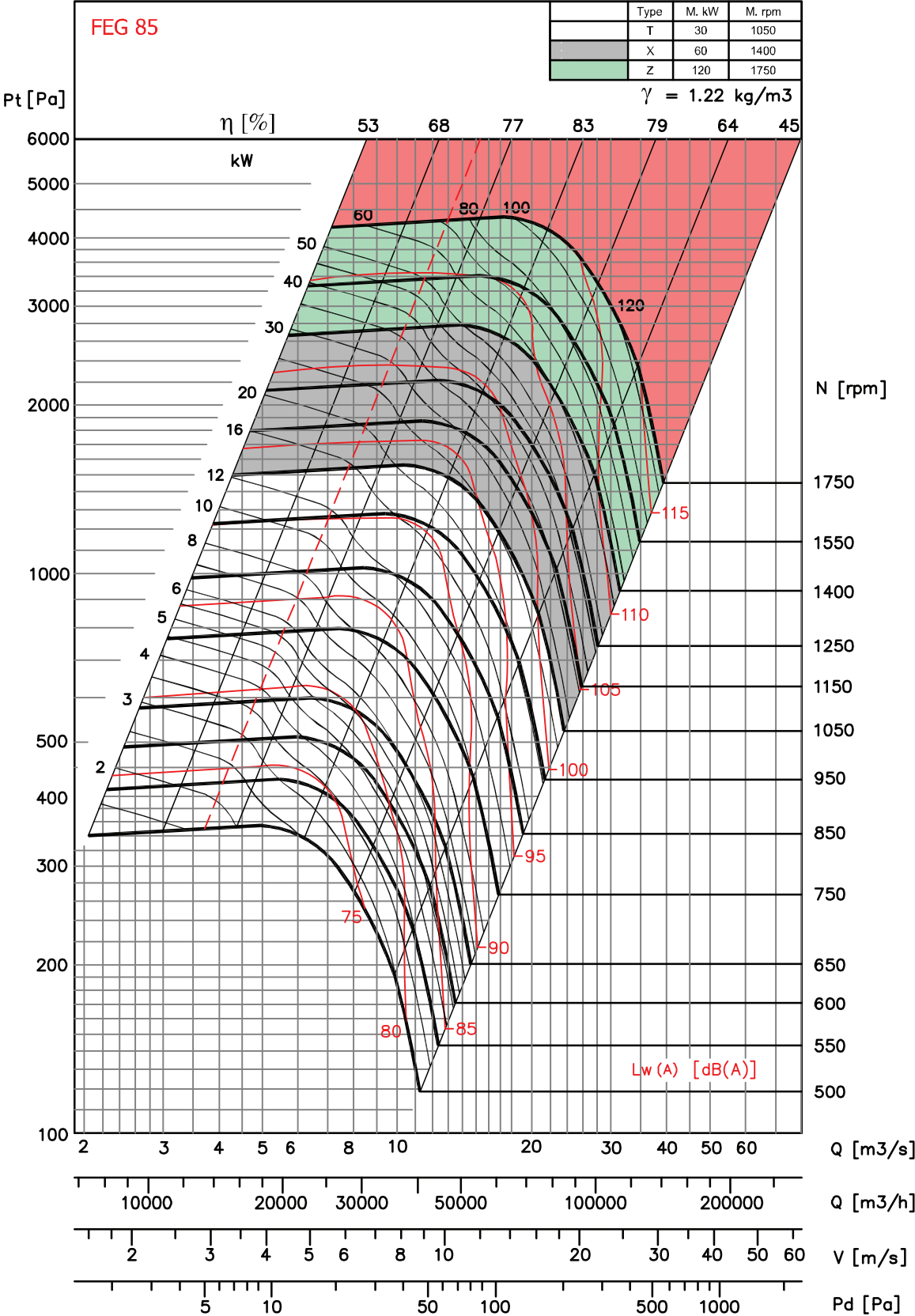


## BDB 800



- Performance certified for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}(A)$  sound power levels for installation type B - free inlet, ducted outlet.

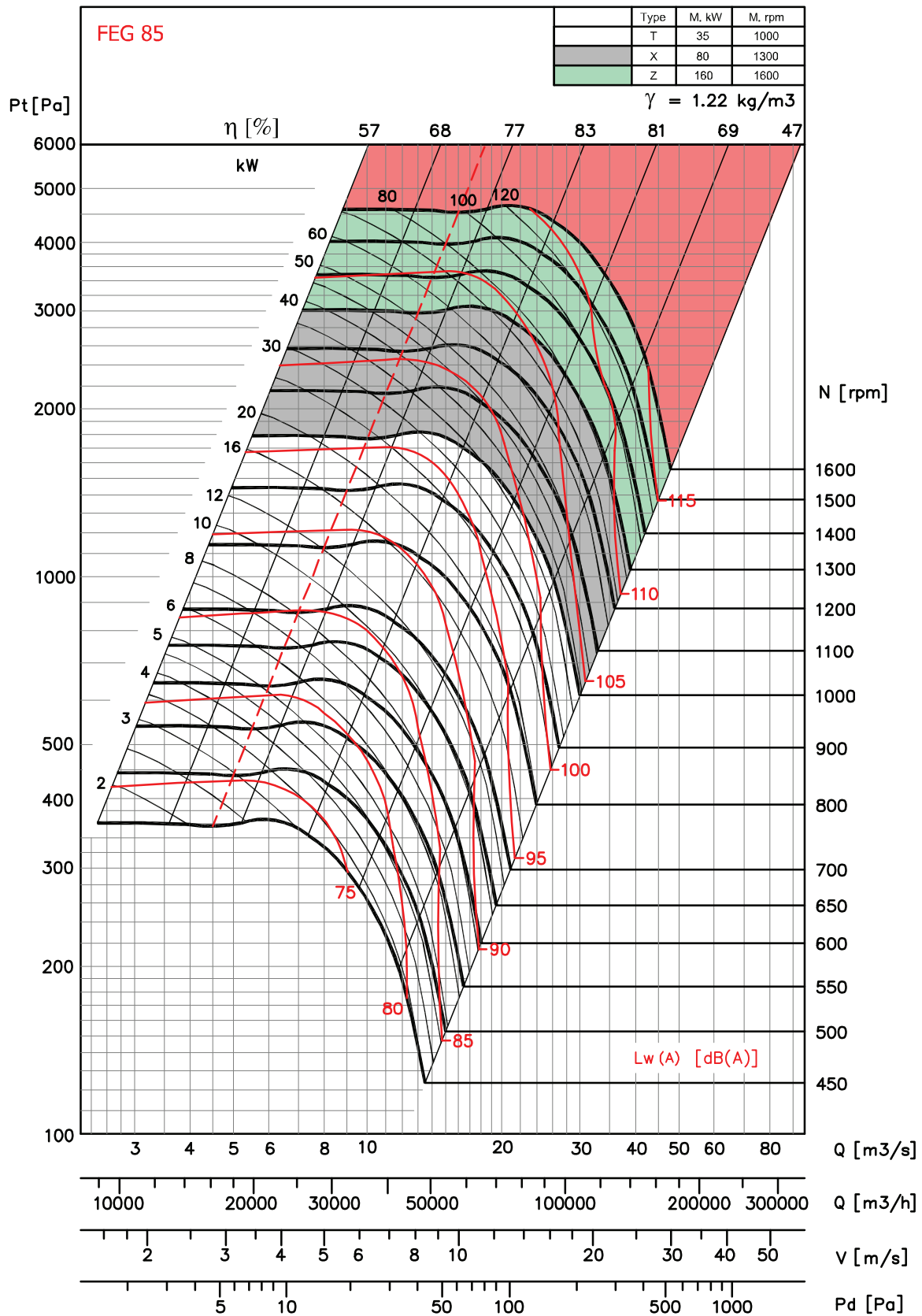
BDB 900



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

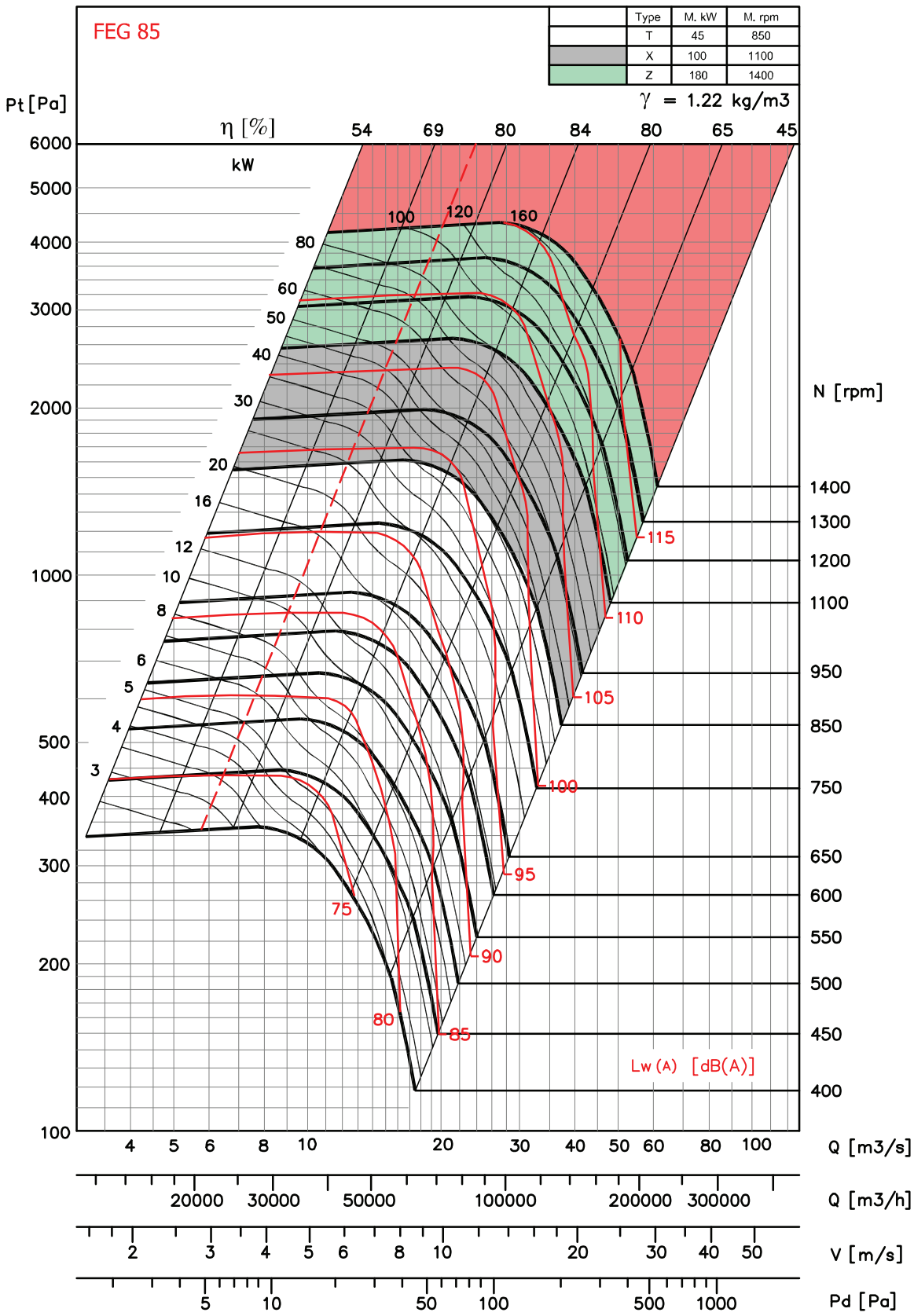
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.

## BDB 1000



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}(A)$  sound power levels for installation type B - free inlet, ducted outlet.

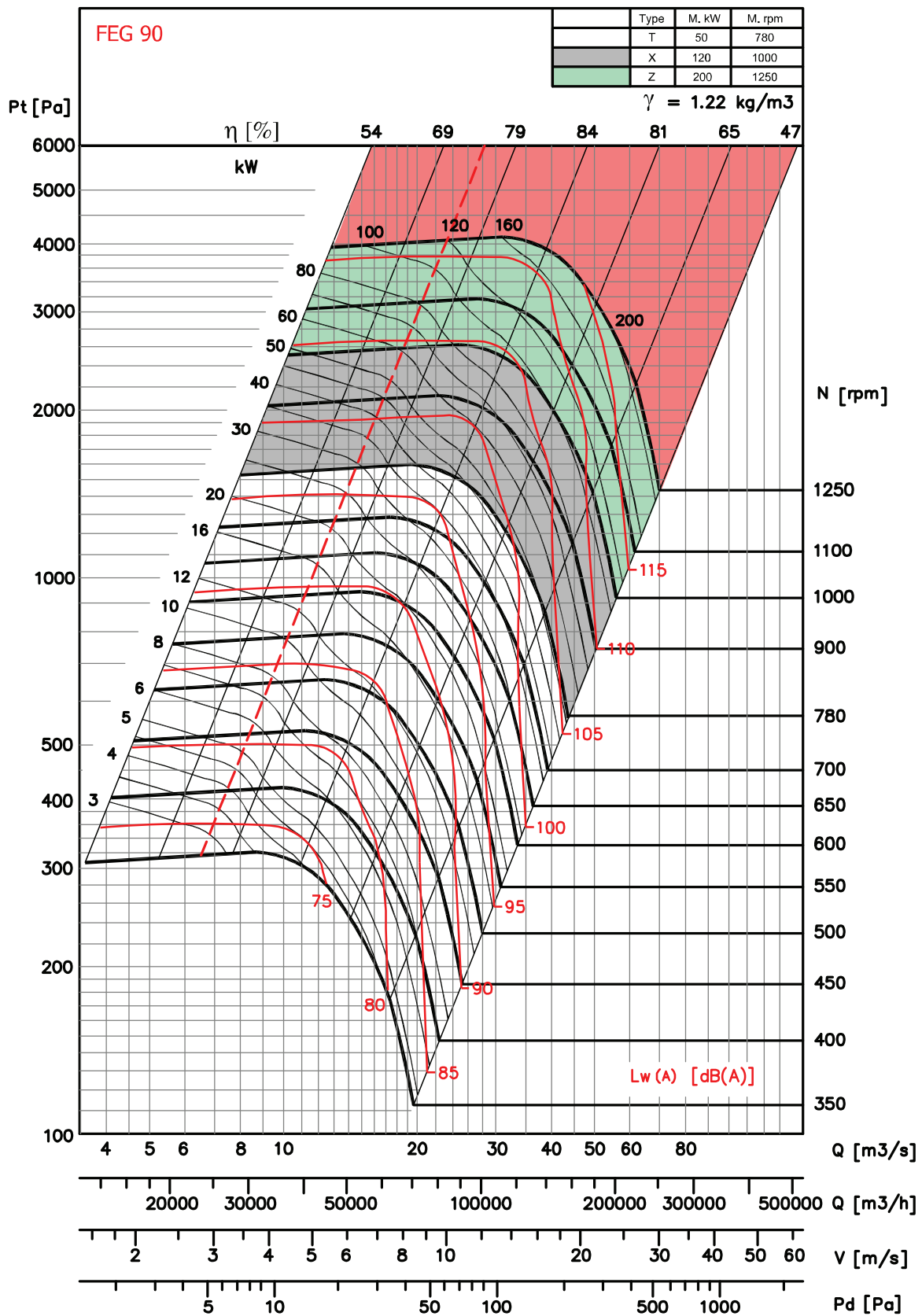
# BDB 1120



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

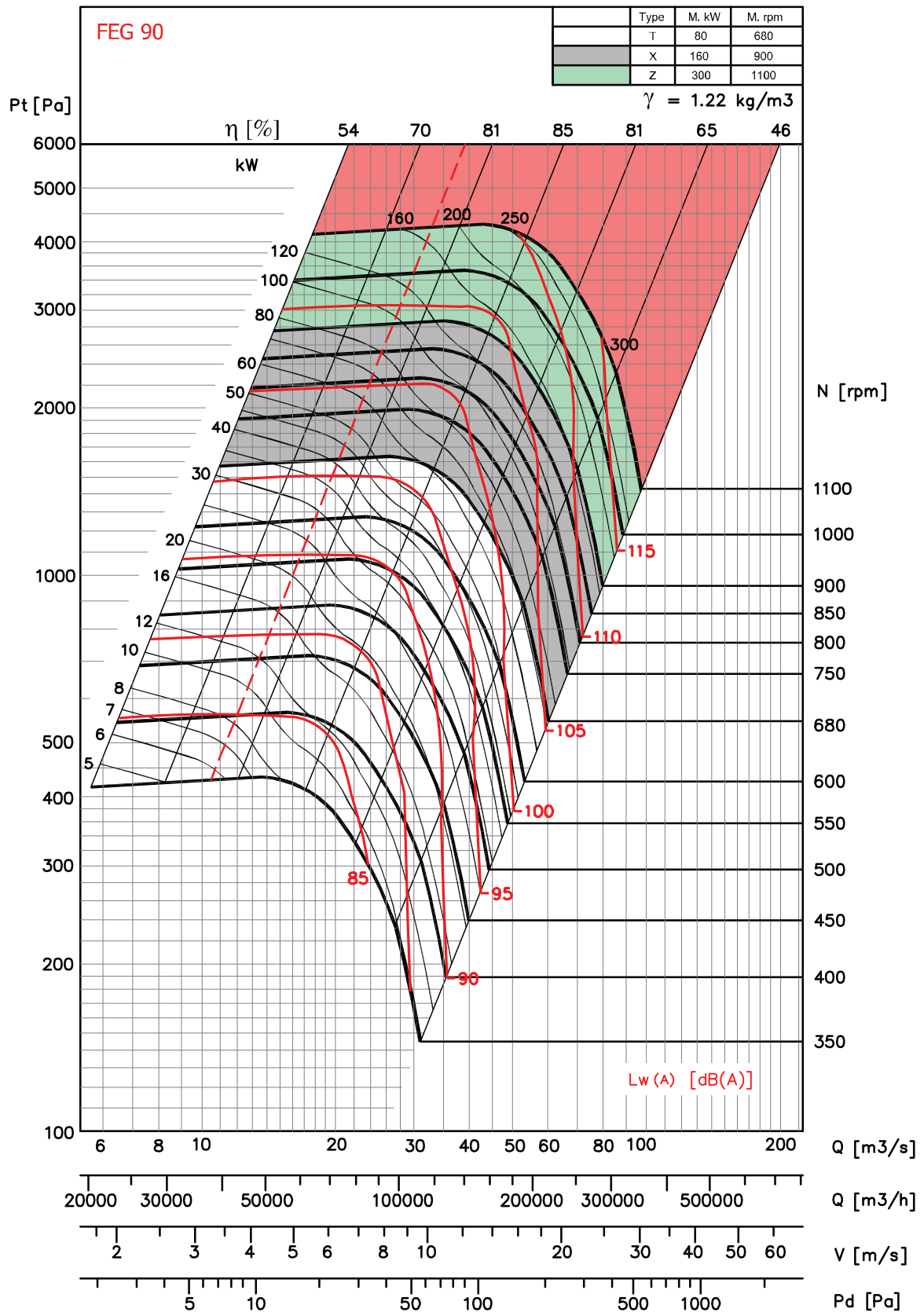
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}$  (A) sound power levels for installation type B - free inlet, ducted outlet.

## BDB 1250



- Performance certified for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.

# BDB 1400

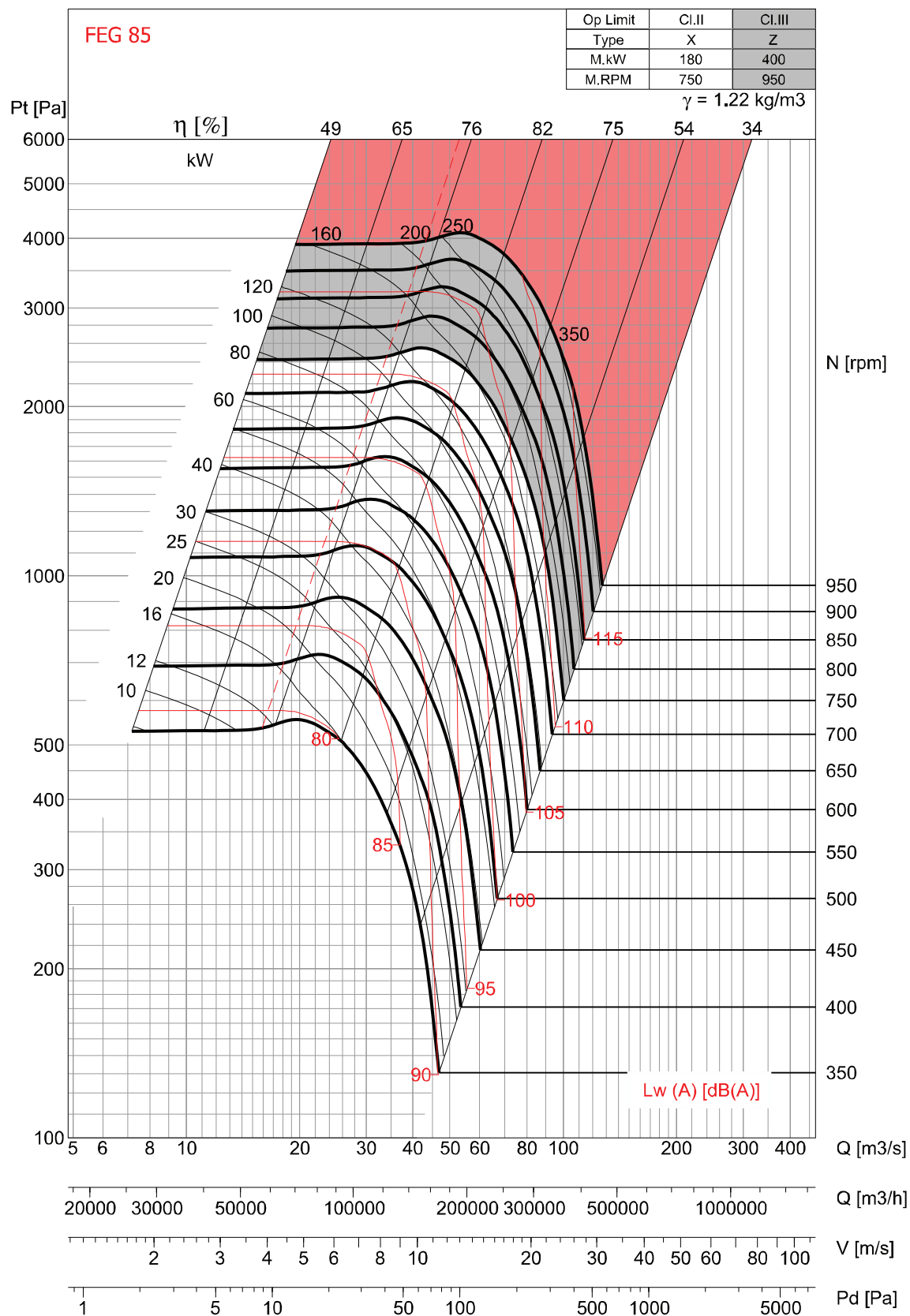


- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.

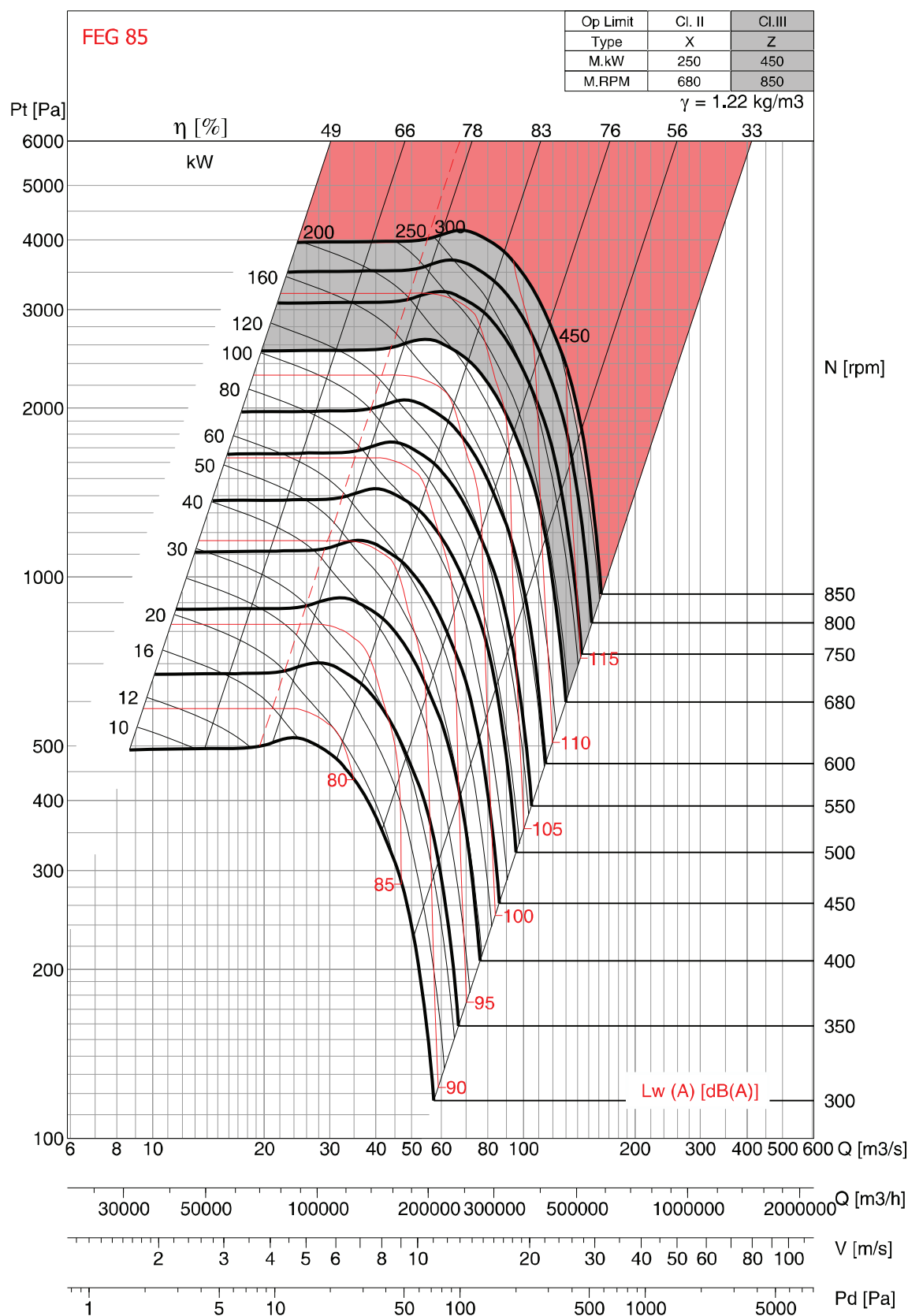


## BDB 1600



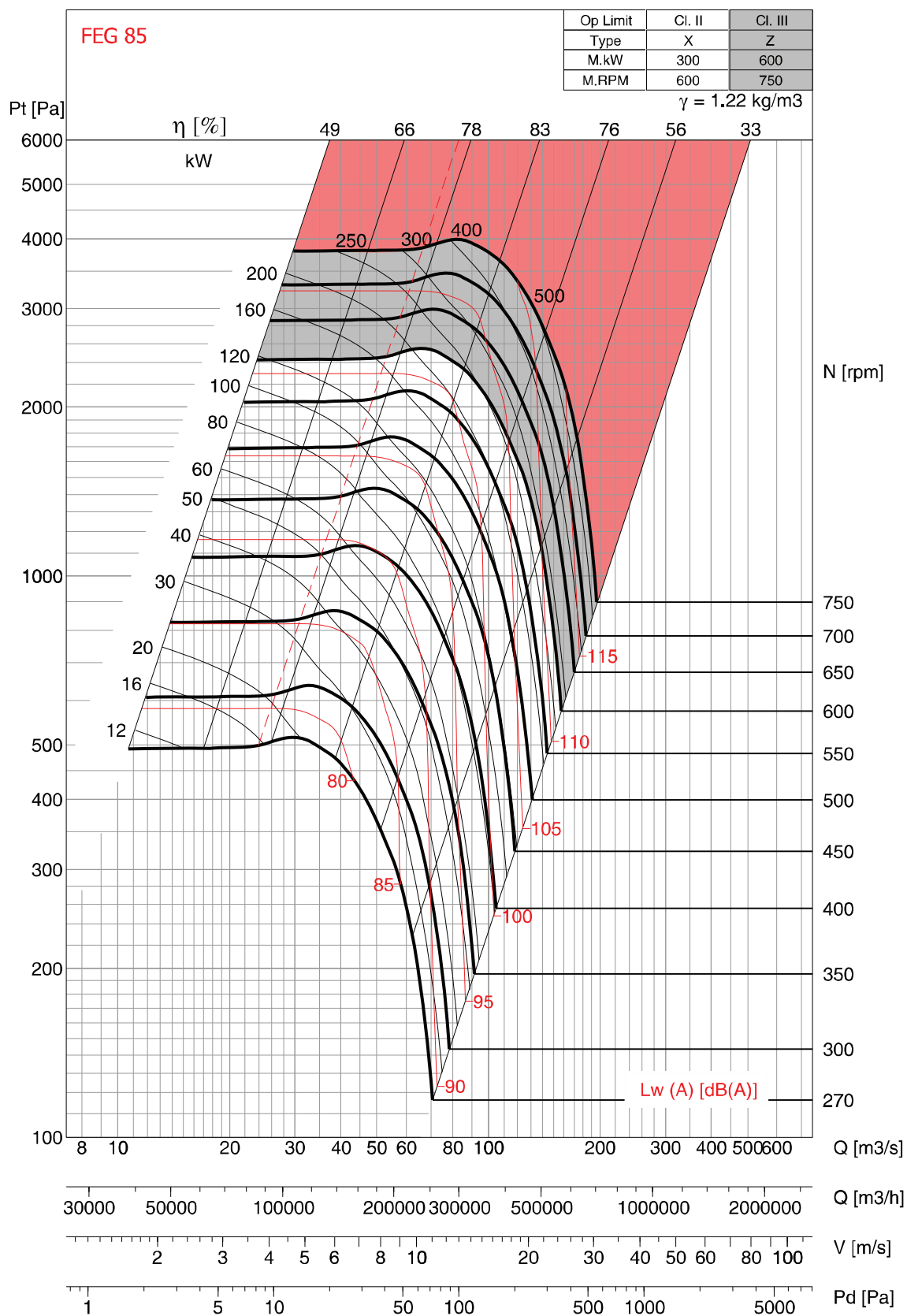
- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}$  (A) sound power levels for installation type B - free inlet, ducted outlet.

## BDB 1800



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet Lwi (A) sound power levels for installation type B - free inlet, ducted outlet.

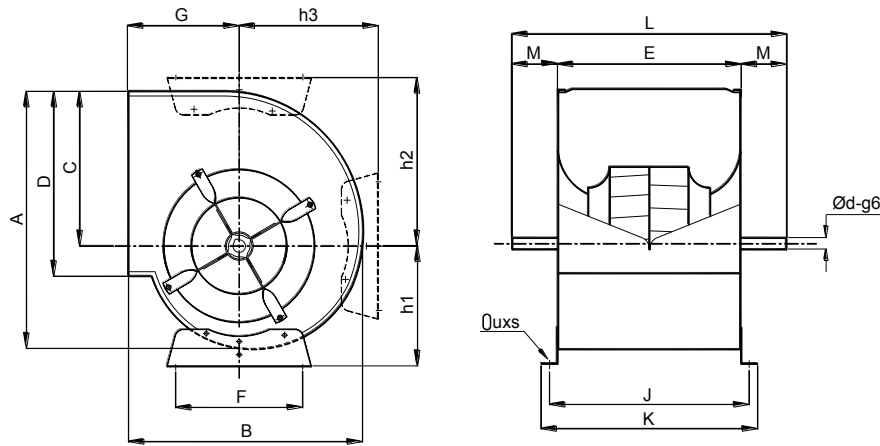
## BDB 2000



- Performance certified is for Installation type B - free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories). Power rating kW does not include transmission losses.

- The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet  $L_{wi}$  (A) sound power levels for installation type B - free inlet, ducted outlet.

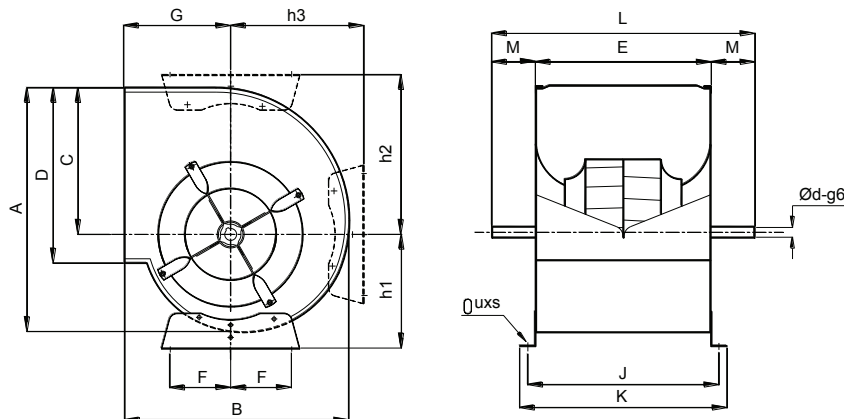
**BDB 315-400 'S'**



| Model | A   | B   | C   | D   | E   | F   | G   | J   | K   | L   | M   | h1  | h2  | h3  | Ød |    | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-------|
|       |     |     |     |     |     |     |     |     |     |     |     |     |     |     | SL | SM |       |
| 315   | 572 | 516 | 340 | 404 | 404 | 280 | 236 | 434 | 464 | 600 | 98  | 261 | 370 | 283 | 25 | 25 | 11x16 |
| 355   | 644 | 576 | 383 | 452 | 452 | 315 | 260 | 492 | 532 | 672 | 110 | 274 | 411 | 320 | 30 | 30 | 11x16 |
| 400   | 724 | 644 | 432 | 506 | 506 | 355 | 290 | 546 | 586 | 726 | 110 | 302 | 462 | 359 | 30 | 30 | 11x16 |

All Dimensions in mm.

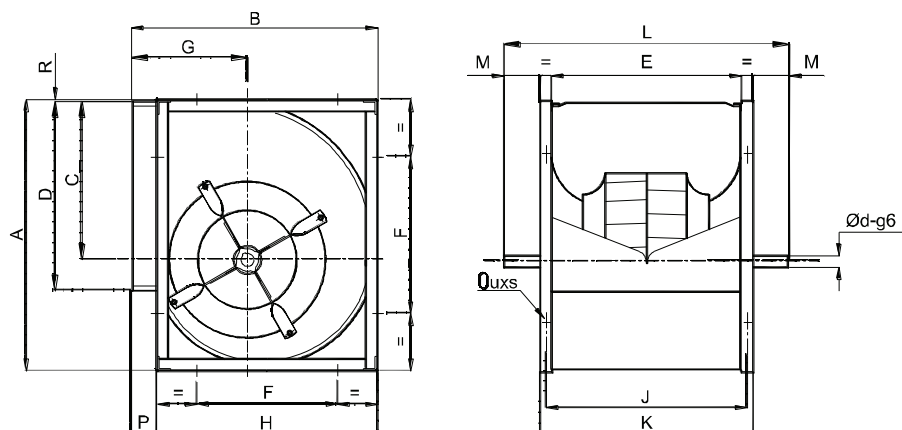
**BDB 450-710 'S'**



| Model | A    | B    | C   | D   | E   | F   | G   | J   | K   | L    | M   | h1  | h2  | h3  | Ød |    | uxs   |
|-------|------|------|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|----|----|-------|
|       |      |      |     |     |     |     |     |     |     |      |     |     |     |     | SL | SM |       |
| 450   | 816  | 722  | 486 | 568 | 568 | 200 | 322 | 608 | 648 | 814  | 123 | 336 | 518 | 407 | 35 | 35 | 13x18 |
| 500   | 906  | 794  | 538 | 638 | 638 | 225 | 352 | 678 | 718 | 924  | 143 | 375 | 568 | 448 | 35 | 35 | 13x18 |
| 560   | 1016 | 886  | 603 | 714 | 714 | 250 | 390 | 764 | 814 | 1000 | 143 | 416 | 634 | 502 | 40 | 40 | 13x18 |
| 630   | 1142 | 992  | 679 | 800 | 800 | 280 | 434 | 850 | 900 | 1092 | 146 | 468 | 707 | 571 | 40 | 45 | 13x18 |
| 710   | 1286 | 1114 | 765 | 898 | 898 | 315 | 484 | 948 | 998 | 1234 | 168 | 531 | 797 | 636 | 50 | 50 | 13x18 |

All Dimensions in mm.

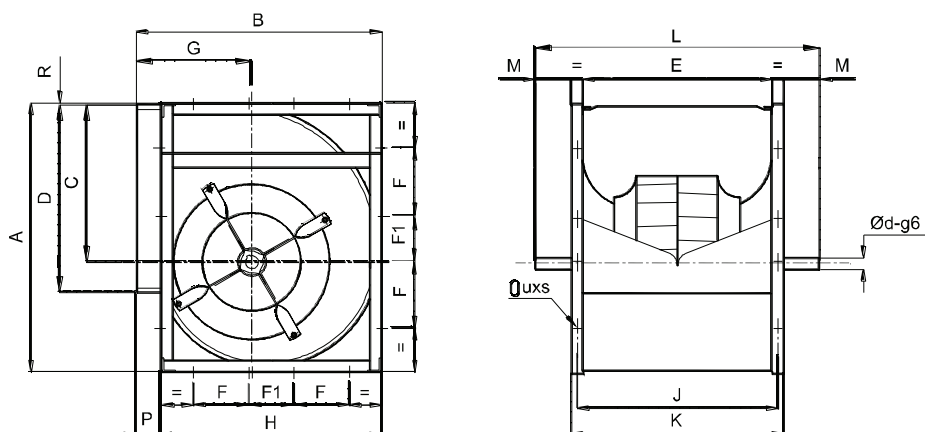
## BDB 315-400 'C'



| Model | A   | B   | C   | D   | E   | F   | G   | H   | J   | K   | L   | M  | P  | R | Ød |    | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|----|----|-------|
|       |     |     |     |     |     |     |     |     |     |     |     |    |    |   | CL | CM |       |
| 315   | 578 | 518 | 340 | 404 | 404 | 330 | 236 | 480 | 434 | 464 | 600 | 68 | 38 | 3 | 25 | 25 | 13x18 |
| 355   | 654 | 578 | 383 | 452 | 452 | 368 | 260 | 548 | 492 | 532 | 672 | 70 | 30 | 6 | 30 | 30 | 13x18 |
| 400   | 736 | 650 | 432 | 506 | 506 | 402 | 290 | 612 | 546 | 586 | 726 | 70 | 38 | 5 | 30 | 30 | 13x18 |

All Dimensions in mm.

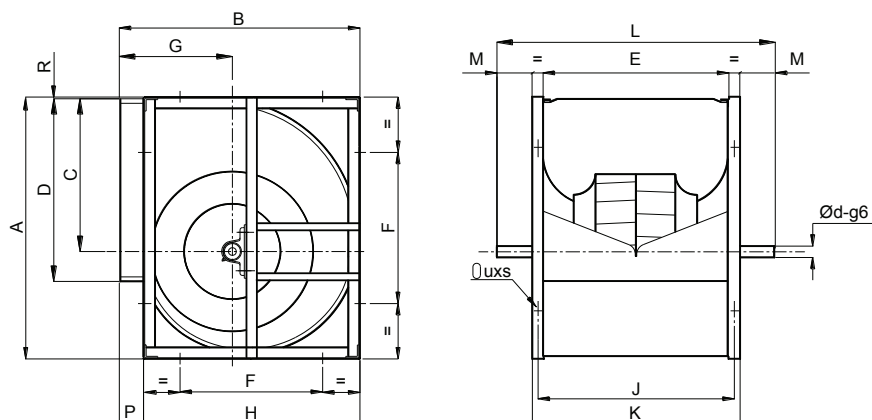
## BDB 450-710 'C'



| Model | A    | B    | C   | D   | E   | F   | F1  | G   | H    | J   | K   | L    | M   | P  | R | Ød |    | uxs   |
|-------|------|------|-----|-----|-----|-----|-----|-----|------|-----|-----|------|-----|----|---|----|----|-------|
|       |      |      |     |     |     |     |     |     |      |     |     |      |     |    |   | CL | CM |       |
| 450   | 827  | 726  | 486 | 568 | 568 | 200 | 111 | 322 | 681  | 608 | 648 | 814  | 83  | 45 | 5 | 35 | 35 | 13x18 |
| 500   | 918  | 800  | 538 | 638 | 638 | 245 | 120 | 352 | 750  | 678 | 718 | 924  | 103 | 50 | 5 | 35 | 35 | 13x18 |
| 560   | 1030 | 892  | 603 | 714 | 714 | 280 | 125 | 390 | 844  | 764 | 814 | 1000 | 93  | 48 | 7 | 40 | 40 | 13x18 |
| 630   | 1157 | 998  | 679 | 800 | 800 | 328 | 110 | 434 | 945  | 850 | 900 | 1092 | 96  | 53 | 6 | 40 | 45 | 13x18 |
| 710   | 1302 | 1120 | 765 | 898 | 898 | 360 | 150 | 484 | 1057 | 948 | 998 | 1234 | 118 | 63 | 7 | 50 | 50 | 17x22 |

All Dimensions in mm.

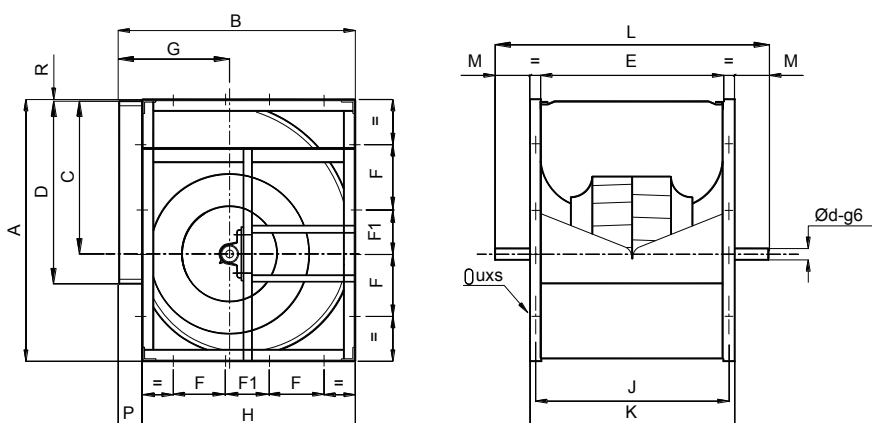
## BDB 315-400 'T'



| Model | A   | B   | C   | D   | E   | F   | G   | H   | J   | K   | L   | M  | P  | R | Ød |    | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|----|----|-------|
|       |     |     |     |     |     |     |     |     |     |     |     |    |    |   | TL | TM |       |
| 315   | 578 | 518 | 340 | 404 | 404 | 330 | 236 | 480 | 434 | 464 | 632 | 84 | 38 | 3 | 30 | 30 | 13x18 |
| 355   | 654 | 578 | 383 | 452 | 452 | 368 | 260 | 548 | 492 | 532 | 718 | 93 | 30 | 6 | 35 | 35 | 13x18 |
| 400   | 736 | 650 | 432 | 506 | 506 | 402 | 290 | 612 | 546 | 586 | 772 | 93 | 38 | 5 | 35 | 35 | 13x18 |

All Dimensions in mm.

## BDB 450-1000 'T'

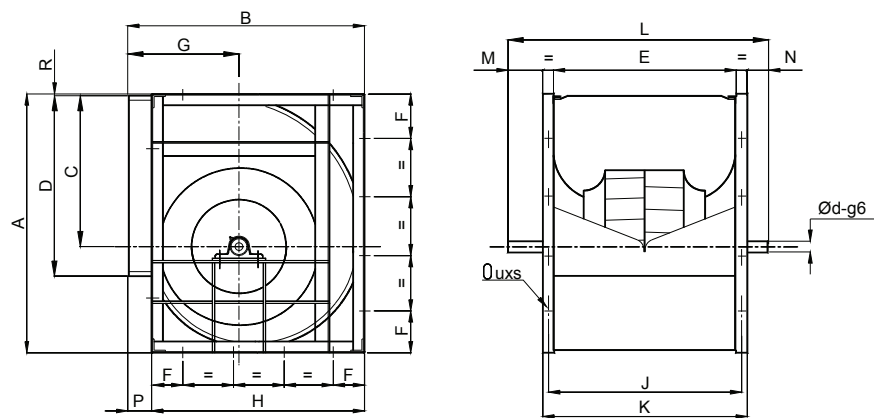


| Model | A    | B    | C    | D    | E    | F   | F1  | G   | H    | J    | K    | L    | M   | P  | R | Ød |    | uxs   |
|-------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-----|----|---|----|----|-------|
|       |      |      |      |      |      |     |     |     |      |      |      |      |     |    |   | TL | TM |       |
| 450   | 827  | 726  | 486  | 568  | 568  | 200 | 111 | 322 | 681  | 608  | 648  | 878  | 115 | 45 | 5 | 40 | 40 | 13x18 |
| 500   | 918  | 800  | 538  | 638  | 638  | 245 | 120 | 352 | 750  | 678  | 718  | 956  | 119 | 50 | 5 | 40 | 45 | 13x18 |
| 560   | 1030 | 892  | 603  | 714  | 714  | 280 | 125 | 390 | 844  | 764  | 814  | 1080 | 133 | 48 | 7 | 45 | 45 | 13x18 |
| 630   | 1157 | 998  | 679  | 800  | 800  | 328 | 110 | 434 | 945  | 850  | 900  | 1166 | 133 | 53 | 6 | 50 | 50 | 13x18 |
| 710   | 1302 | 1120 | 765  | 898  | 898  | 360 | 150 | 484 | 1057 | 948  | 998  | 1280 | 141 | 63 | 7 | 50 | 55 | 17x22 |
| 800   | 1468 | 1254 | 862  | 1006 | 1006 | 405 | 171 | 540 | 1180 | 1056 | 1106 | 1388 | 141 | 74 | 7 | 55 | 55 | 17x22 |
| 900   | 1648 | 1408 | 971  | 1130 | 1130 | 455 | 189 | 604 | 1319 | 1180 | 1230 | 1566 | 168 | 89 | 7 | 60 | 60 | 17x22 |
| 1000  | 1810 | 1540 | 1066 | 1266 | 1266 | 500 | 200 | 656 | 1450 | 1316 | 1366 | 1724 | 179 | 90 | 9 | 60 | 70 | 17x22 |

All Dimensions in mm.



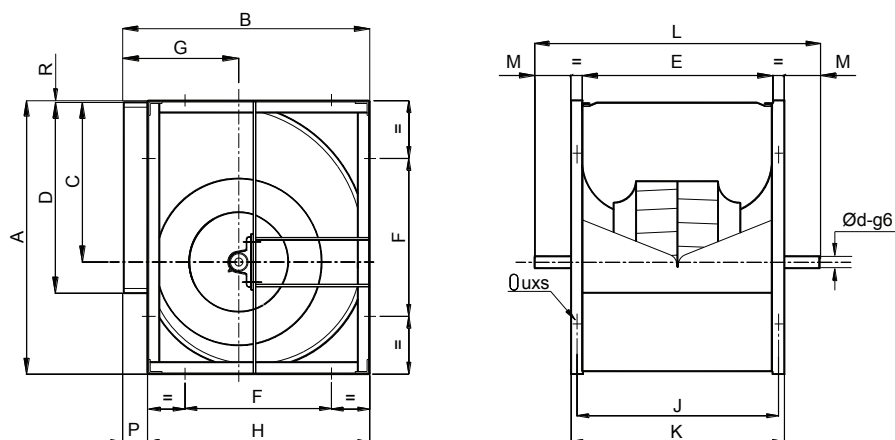
BDB 1120-1400 ‘T’



| Model | A    | B    | C    | D    | E    | F   | G   | H    | J    | K    | L    | M   | N  | P   | R  | Ød |    | uxs   |
|-------|------|------|------|------|------|-----|-----|------|------|------|------|-----|----|-----|----|----|----|-------|
|       |      |      |      |      |      |     |     |      |      |      |      |     |    |     |    | TL | TM |       |
| 1120  | 2033 | 1725 | 1200 | 1422 | 1422 | 290 | 748 | 1630 | 1482 | 1548 | 1800 | 193 | 59 | 95  | 9  | -  | 75 | 17x22 |
| 1250  | 2285 | 1930 | 1353 | 1524 | 1524 | 300 | 830 | 1831 | 1599 | 1674 | 1975 | 220 | 81 | 99  | 9  | -  | 80 | 17x22 |
| 1400  | 2568 | 2170 | 1515 | 1794 | 1794 | 310 | 963 | 2057 | 1869 | 1944 | 2260 | 227 | 89 | 113 | 13 | -  | 80 | 17x22 |

All Dimensions in mm.

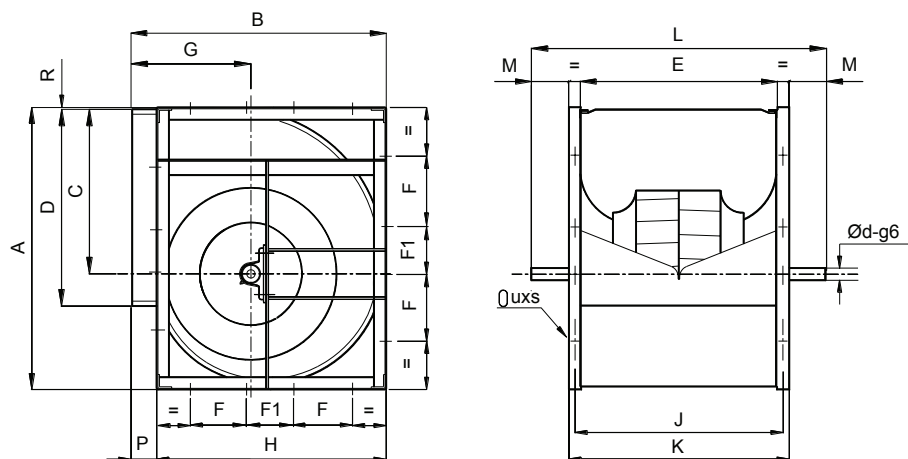
## BDB 315-400 'XM'



| Model | A   | B   | C   | D   | E   | F   | G   | H   | J   | K   | L   | M   | P  | R | Ød | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|---|----|-------|
| 315   | 578 | 518 | 340 | 404 | 404 | 330 | 236 | 480 | 434 | 464 | 732 | 134 | 38 | 3 | 35 | 13x18 |
| 355   | 654 | 578 | 383 | 452 | 452 | 368 | 260 | 548 | 492 | 532 | 822 | 145 | 30 | 6 | 40 | 13x18 |
| 400   | 736 | 650 | 432 | 506 | 506 | 402 | 290 | 612 | 546 | 586 | 876 | 145 | 38 | 5 | 40 | 13x18 |

All Dimensions in mm.

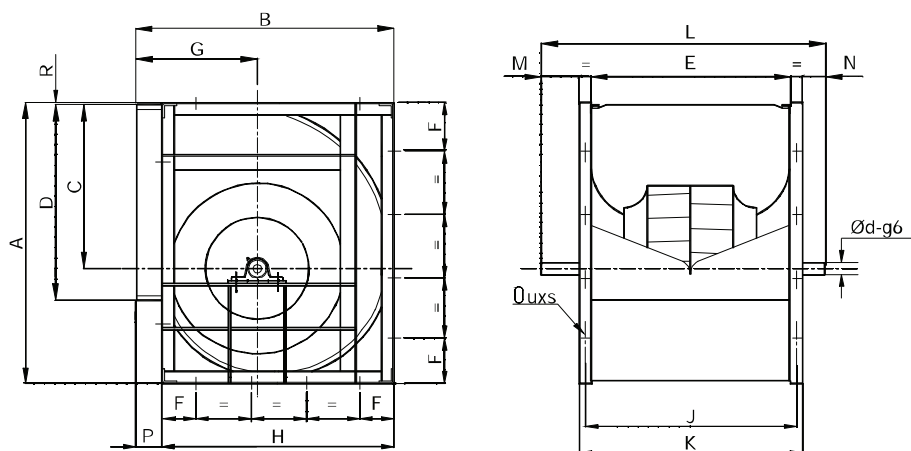
## BDB 450-1000 'XM'



| Model | A    | B    | C    | D    | E    | F   | F1  | G   | H    | J    | K    | L    | M     | P  | R | Ød | uxs   |
|-------|------|------|------|------|------|-----|-----|-----|------|------|------|------|-------|----|---|----|-------|
| 450   | 827  | 726  | 486  | 568  | 568  | 200 | 111 | 322 | 681  | 608  | 648  | 946  | 149   | 45 | 5 | 45 | 13x18 |
| 500   | 918  | 800  | 538  | 638  | 638  | 245 | 120 | 352 | 750  | 678  | 718  | 1066 | 174   | 50 | 5 | 50 | 13x18 |
| 560   | 1030 | 892  | 603  | 714  | 714  | 280 | 125 | 390 | 844  | 764  | 814  | 1138 | 162   | 48 | 7 | 55 | 13x18 |
| 630   | 1157 | 998  | 679  | 800  | 800  | 328 | 110 | 434 | 945  | 850  | 900  | 1286 | 193   | 53 | 6 | 60 | 13x18 |
| 710   | 1302 | 1120 | 765  | 898  | 898  | 360 | 150 | 484 | 1057 | 948  | 998  | 1390 | 196   | 63 | 7 | 65 | 17x22 |
| 800   | 1468 | 1254 | 862  | 1006 | 1006 | 405 | 171 | 540 | 1180 | 1056 | 1106 | 1498 | 196   | 74 | 7 | 65 | 17x22 |
| 900   | 1648 | 1408 | 971  | 1130 | 1130 | 455 | 189 | 604 | 1319 | 1180 | 1230 | 1660 | 215   | 89 | 7 | 70 | 17x22 |
| 1000  | 1810 | 1540 | 1066 | 1266 | 1266 | 500 | 200 | 656 | 1450 | 1316 | 1366 | 1845 | 239.5 | 90 | 9 | 80 | 17x22 |

All Dimensions in mm.

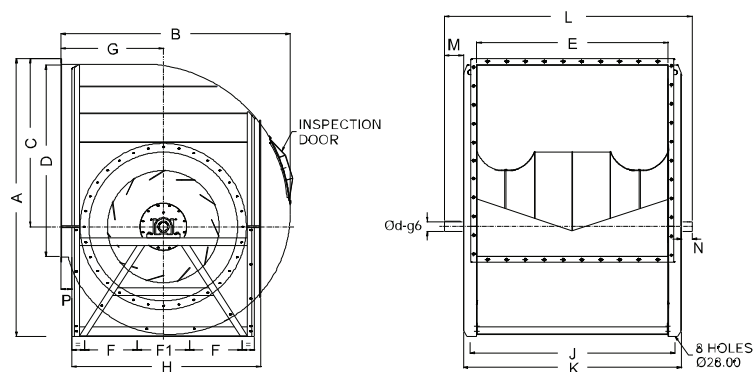
## BDB 1120-1400 'XX'



| Model | A    | B    | C    | D    | E    | F   | G   | H    | J    | K    | L    | M   | N   | P   | R  | Ød | uxs   |
|-------|------|------|------|------|------|-----|-----|------|------|------|------|-----|-----|-----|----|----|-------|
| 1120  | 2033 | 1725 | 1200 | 1422 | 1422 | 290 | 748 | 1630 | 1482 | 1548 | 1916 | 266 | 102 | 95  | 9  | 80 | 17x22 |
| 1250  | 2285 | 1930 | 1353 | 1524 | 1524 | 300 | 830 | 1831 | 1599 | 1674 | 2035 | 265 | 96  | 99  | 9  | 85 | 17x22 |
| 1400  | 2568 | 2170 | 1515 | 1794 | 1794 | 310 | 963 | 2057 | 1869 | 1944 | 2295 | 256 | 95  | 113 | 13 | 90 | 17x22 |

All Dimensions in mm.

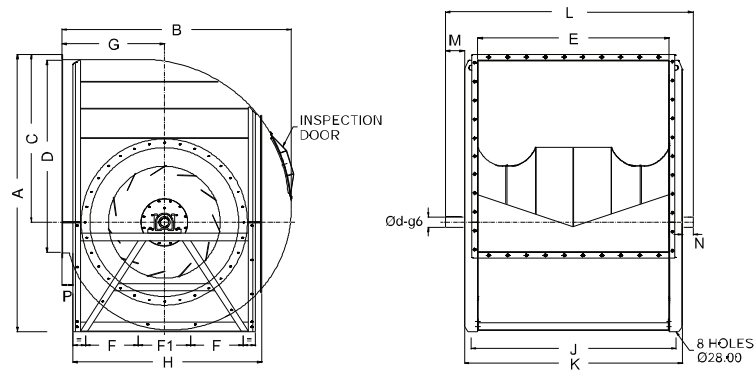
## BDB 1600-2000 'X'



| Model | A    | B    | C    | D    | E    | F   | F1  | G    | H    | J    | K    | L    | M   | N  | P   | Ød  |
|-------|------|------|------|------|------|-----|-----|------|------|------|------|------|-----|----|-----|-----|
| 1600  | 2950 | 2486 | 1790 | 2185 | 2025 | 550 | 600 | 1086 | 2132 | 2175 | 2325 | 2550 | 190 | 35 | 116 | 90  |
| 1800  | 3310 | 2798 | 2000 | 2438 | 2278 | 620 | 630 | 1220 | 2380 | 2458 | 2638 | 2890 | 220 | 32 | 135 | 110 |
| 2000  | 3715 | 3142 | 2246 | 2725 | 2530 | 700 | 710 | 1375 | 2690 | 2745 | 2925 | 3230 | 250 | 55 | 150 | 115 |

All Dimensions in mm.

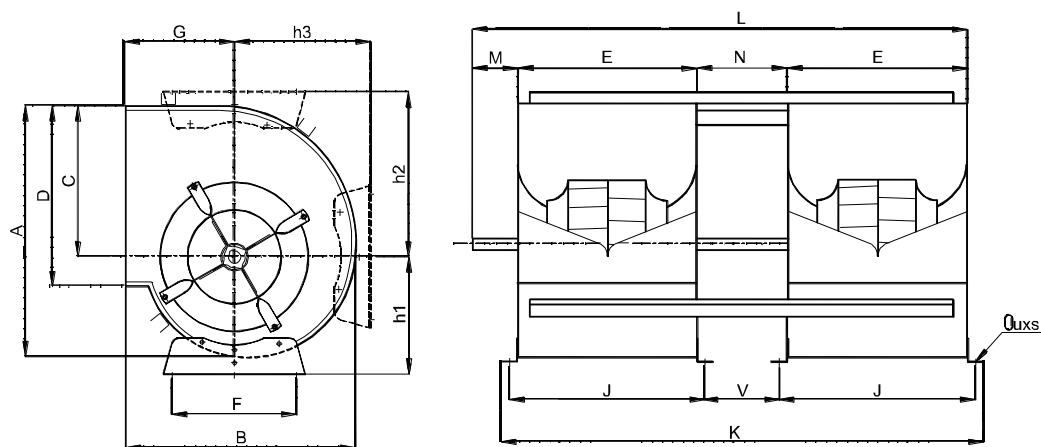
BDB 1600-2000'Z'



| Model | A    | B    | C    | D    | E    | F   | F1  | G    | H    | J    | K    | L    | M   | N  | P   | Ød  |
|-------|------|------|------|------|------|-----|-----|------|------|------|------|------|-----|----|-----|-----|
| 1600  | 2950 | 2486 | 1790 | 2185 | 2025 | 550 | 600 | 1086 | 2132 | 2175 | 2325 | 2550 | 190 | 35 | 116 | 110 |
| 1800  | 3310 | 2798 | 2000 | 2438 | 2278 | 620 | 630 | 1220 | 2380 | 2458 | 2638 | 2890 | 220 | 32 | 135 | 125 |
| 2000  | 3715 | 3142 | 2246 | 2725 | 2530 | 700 | 710 | 1375 | 2690 | 2745 | 2925 | 3230 | 250 | 55 | 150 | 135 |

All Dimensions in mm.

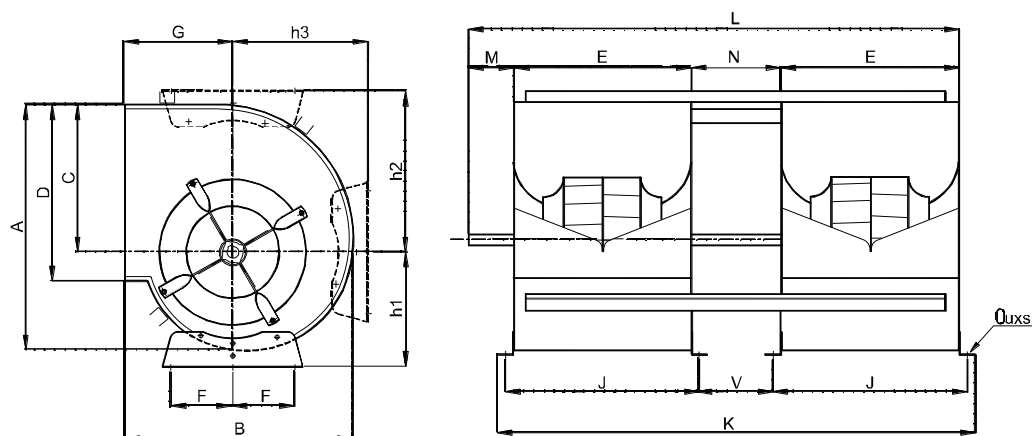
**BDB 315-400 'S2M'**



| Model | A   | B   | C   | D   | E   | F   | G   | J   | K    | L    | M   | V   | X   | h1  | h2  | h3  | Ød | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|----|-------|
| 315   | 572 | 516 | 340 | 404 | 404 | 280 | 236 | 434 | 1183 | 1233 | 110 | 285 | 315 | 261 | 370 | 283 | 30 | 11x16 |
| 355   | 644 | 576 | 383 | 452 | 452 | 315 | 260 | 492 | 1339 | 1389 | 130 | 315 | 355 | 274 | 411 | 320 | 35 | 11x16 |
| 400   | 724 | 644 | 432 | 506 | 506 | 355 | 290 | 546 | 1492 | 1542 | 130 | 360 | 400 | 302 | 462 | 359 | 35 | 11x16 |

All Dimensions in mm.

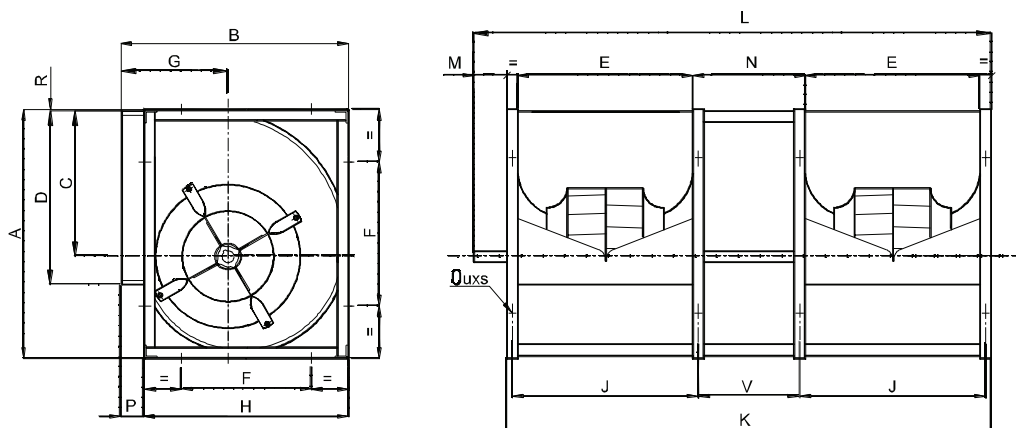
**BDB 450-500 'S2M'**



| Model | A   | B   | C   | D   | E   | F   | G   | J   | K    | L    | M   | V   | X   | h1  | h2  | h3  | Ød | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|----|-------|
| 450   | 816 | 722 | 486 | 568 | 568 | 200 | 322 | 608 | 1666 | 1726 | 140 | 410 | 450 | 336 | 518 | 407 | 40 | 13x18 |
| 500   | 906 | 794 | 538 | 638 | 638 | 225 | 352 | 678 | 1856 | 1916 | 140 | 460 | 500 | 375 | 568 | 448 | 40 | 13x18 |

All Dimensions in mm.

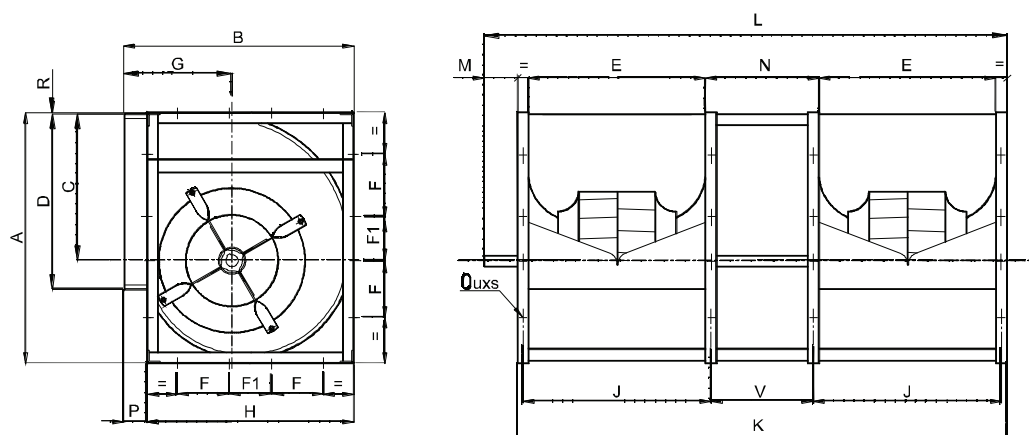
**BDB 315-400 'C2M'**



| Model | A   | B   | C   | D   | E   | F   | G   | H   | J   | K    | L    | M  | P  | R | V   | X   | $\varnothing d$ | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|----|----|---|-----|-----|-----------------|-------|
| 315   | 578 | 518 | 340 | 404 | 404 | 330 | 236 | 480 | 434 | 1183 | 1263 | 80 | 38 | 3 | 285 | 315 | 30              | 13x18 |
| 355   | 654 | 578 | 383 | 452 | 452 | 368 | 260 | 548 | 492 | 1339 | 1429 | 90 | 30 | 6 | 315 | 355 | 35              | 13x18 |
| 400   | 736 | 650 | 432 | 506 | 506 | 402 | 290 | 612 | 546 | 1492 | 1582 | 90 | 38 | 5 | 360 | 400 | 35              | 13x18 |

All Dimensions in mm.

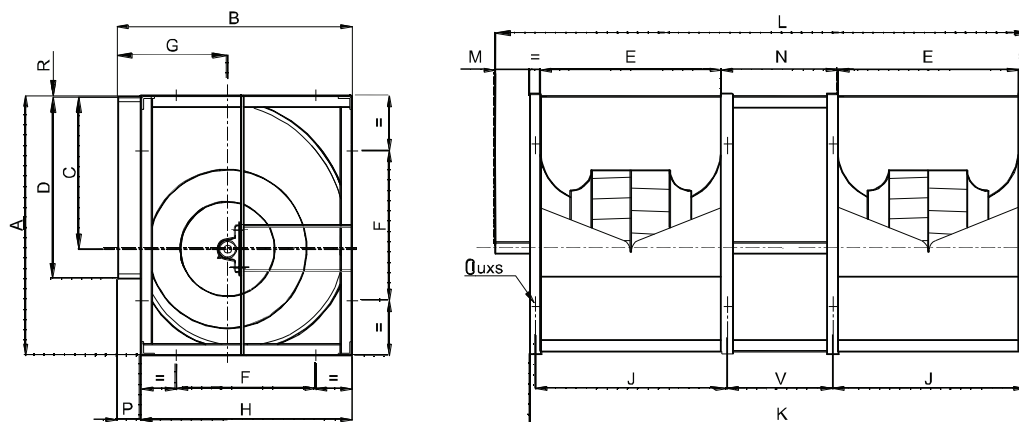
**BDB 450-500 'C2M'**



| Model | A   | B   | C   | D   | E   | F   | F1  | G   | H   | J   | K    | L    | M   | P  | R | V   | X   | $\varnothing d$ | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|----|---|-----|-----|-----------------|-------|
| 450   | 827 | 726 | 486 | 568 | 568 | 200 | 111 | 322 | 681 | 608 | 1666 | 1766 | 100 | 45 | 5 | 410 | 450 | 40              | 13x18 |
| 500   | 918 | 800 | 538 | 638 | 638 | 245 | 120 | 352 | 750 | 678 | 1856 | 1956 | 100 | 50 | 5 | 460 | 500 | 40              | 13x18 |

All Dimensions in mm.

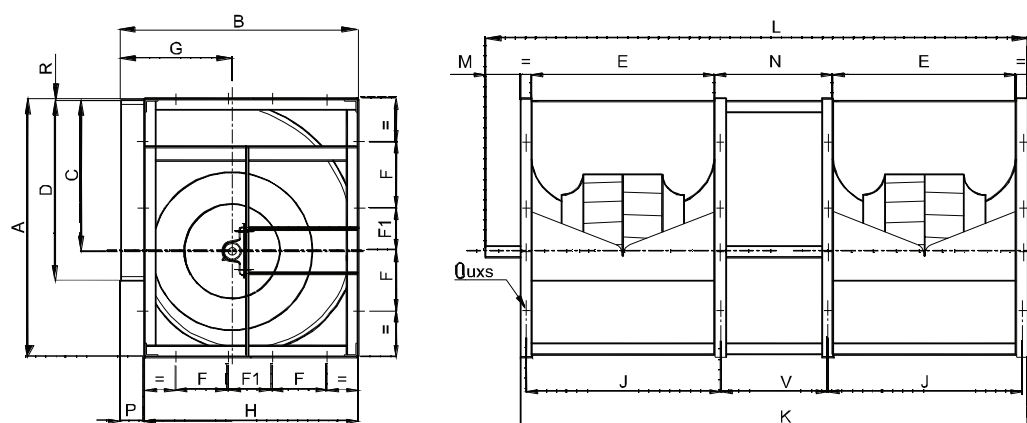
**BDB 355-400 'T2M'**



| Model | A   | B   | C   | D   | E   | F   | G   | H   | J   | K    | L    | M   | P  | R | V   | X   | Ød | uxs   |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|----|---|-----|-----|----|-------|
| 355   | 654 | 578 | 383 | 452 | 452 | 368 | 260 | 548 | 492 | 1339 | 1449 | 110 | 30 | 6 | 315 | 355 | 40 | 13x18 |
| 400   | 736 | 650 | 432 | 506 | 506 | 402 | 290 | 612 | 546 | 1492 | 1627 | 135 | 38 | 5 | 360 | 400 | 45 | 13x18 |

All Dimensions in mm.

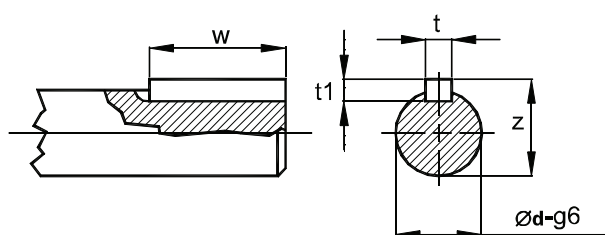
**BDB 450-630 'T2M'**



| Model | A    | B   | C   | D   | E   | F   | F1  | G   | H   | J   | K    | L    | M   | P  | R | V   | X   | Ød | uxs   |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|----|---|-----|-----|----|-------|
| 450   | 827  | 726 | 486 | 568 | 568 | 200 | 111 | 322 | 681 | 608 | 1666 | 1801 | 135 | 45 | 5 | 410 | 450 | 50 | 13x18 |
| 500   | 918  | 800 | 538 | 638 | 638 | 245 | 120 | 352 | 750 | 678 | 1856 | 1991 | 135 | 50 | 5 | 460 | 500 | 55 | 13x18 |
| 560   | 1030 | 892 | 603 | 714 | 714 | 280 | 125 | 390 | 844 | 764 | 2088 | 2228 | 140 | 48 | 7 | 510 | 560 | 55 | 13x18 |
| 630   | 1157 | 998 | 679 | 800 | 800 | 328 | 110 | 434 | 945 | 850 | 2330 | 2470 | 140 | 53 | 6 | 580 | 630 | 60 | 13x18 |

All Dimensions in mm.

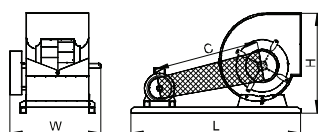
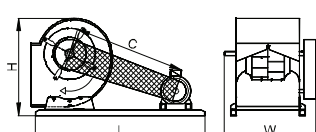
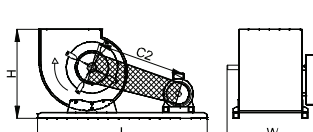
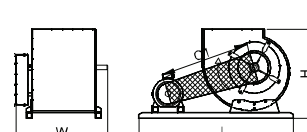
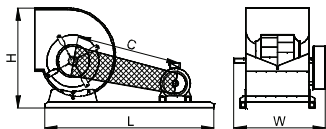
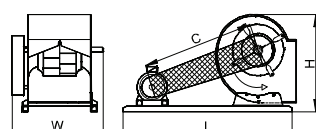
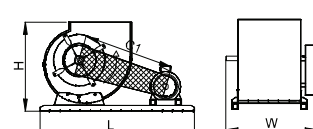
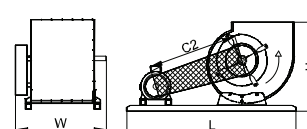




| $\varnothing d$ | $t$ | $t_1$ | $w$ | $z$  |
|-----------------|-----|-------|-----|------|
| 25              | 8   | 7     | 40  | 28   |
| 30              | 8   | 7     | 40  | 33   |
| 35              | 10  | 8     | 50  | 38   |
| 40              | 12  | 8     | 70  | 43   |
| 45              | 14  | 9     | 70  | 48,5 |
| 50              | 14  | 9     | 90  | 53,5 |
| 55              | 16  | 10    | 90  | 59   |
| 60              | 18  | 11    | 90  | 64   |
| 70              | 20  | 12    | 110 | 74,5 |
| 75              | 20  | 12    | 110 | 79,9 |
| 80              | 22  | 14    | 110 | 85   |
| 85              | 22  | 14    | 110 | 90   |
| 90              | 25  | 14    | 140 | 95   |
| 110             | 28  | 16    | 160 | 116  |
| 115             | 32  | 18    | 160 | 122  |
| 125             | 32  | 18    | 180 | 132  |
| 135             | 36  | 20    | 180 | 143  |

All Dimensions in mm.

# OVERALL DIMENSION – BDB “S” SERIES

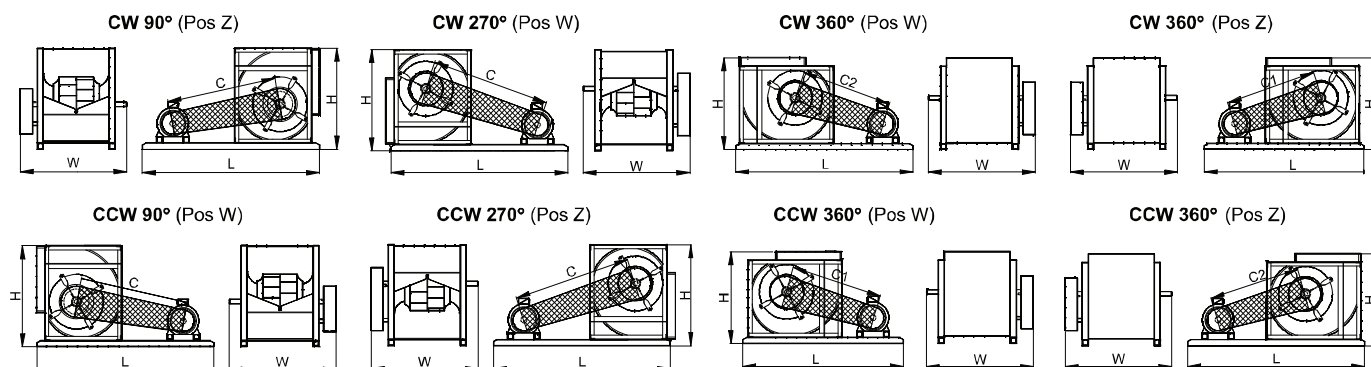
**CW 90° (Pos Z)**

**CW 270° (Pos W)**

**CW 360° (Pos W)**

**CW 360° (Pos Z)**

**CCW 90° (Pos W)**

**CCW 270° (Pos Z)**

**CCW 360° (Pos W)**

**CCW 360° (Pos Z)**


| Model | Motor Frame Size | 90° / 270° |          |      |      |      |           | 360° |      |      |      |      |           |
|-------|------------------|------------|----------|------|------|------|-----------|------|------|------|------|------|-----------|
|       |                  | C (90°)    | C (270°) | L    | W    | H    | * Wt (kg) | C1   | C2   | L    | W    | H    | * Wt (kg) |
| 315   | 71               | 445        | 493      | 780  | 630  | 641  | 32        | 551  | 449  | 880  | 630  | 559  | 33        |
|       | 80               | 472        | 515      | 820  | 630  | 641  | 32        | 577  | 475  | 920  | 630  | 559  | 33        |
|       | 90               | 498        | 537      | 860  | 630  | 641  | 33        | 604  | 500  | 960  | 630  | 559  | 33        |
|       | 100              | 524        | 559      | 900  | 630  | 641  | 33        | 630  | 526  | 1000 | 630  | 559  | 33        |
|       | 112              | 549        | 580      | 940  | 630  | 641  | 33        | 655  | 550  | 1040 | 630  | 559  | 34        |
|       | 132              | 605        | 630      | 1020 | 630  | 641  | 34        | 711  | 604  | 1120 | 630  | 559  | 34        |
| 355   | 71               | 483        | 545      | 840  | 702  | 697  | 44        | 611  | 498  | 960  | 702  | 620  | 45        |
|       | 80               | 510        | 566      | 880  | 702  | 697  | 44        | 618  | 504  | 980  | 702  | 620  | 45        |
|       | 90               | 536        | 588      | 920  | 702  | 697  | 44        | 644  | 528  | 1020 | 702  | 620  | 45        |
|       | 100              | 562        | 610      | 960  | 702  | 697  | 45        | 670  | 553  | 1060 | 702  | 620  | 45        |
|       | 112              | 606        | 648      | 1020 | 702  | 697  | 45        | 713  | 595  | 1120 | 702  | 620  | 45        |
|       | 132              | 662        | 696      | 1100 | 702  | 697  | 45        | 767  | 648  | 1200 | 702  | 620  | 46        |
| 400   | 71               | 540        | 615      | 920  | 756  | 774  | 50        | 671  | 543  | 1040 | 756  | 689  | 50        |
|       | 80               | 547        | 619      | 940  | 756  | 774  | 50        | 696  | 567  | 1080 | 756  | 689  | 50        |
|       | 90               | 572        | 639      | 980  | 756  | 774  | 50        | 721  | 590  | 1120 | 756  | 689  | 51        |
|       | 100              | 598        | 660      | 1020 | 756  | 774  | 50        | 747  | 614  | 1160 | 756  | 689  | 51        |
|       | 112              | 642        | 697      | 1080 | 756  | 774  | 50        | 770  | 637  | 1200 | 756  | 689  | 51        |
|       | 132              | 696        | 743      | 1160 | 756  | 774  | 51        | 843  | 707  | 1300 | 756  | 689  | 52        |
| 450   | 71               | 753        | 791      | 1250 | 756  | 774  | 51        | 908  | 771  | 1400 | 756  | 689  | 52        |
|       | 80               | 604        | 690      | 1020 | 844  | 862  | 66        | 753  | 612  | 1160 | 844  | 769  | 67        |
|       | 90               | 629        | 709      | 1060 | 844  | 862  | 67        | 777  | 634  | 1200 | 844  | 769  | 67        |
|       | 100              | 654        | 730      | 1100 | 844  | 862  | 67        | 811  | 666  | 1250 | 844  | 769  | 68        |
|       | 112              | 677        | 748      | 1140 | 844  | 862  | 67        | 843  | 696  | 1300 | 844  | 769  | 68        |
|       | 132              | 711        | 774      | 1200 | 844  | 862  | 67        | 866  | 718  | 1350 | 844  | 769  | 68        |
| 500   | 160              | 825        | 874      | 1350 | 844  | 862  | 68        | 929  | 778  | 1450 | 844  | 769  | 69        |
|       | 80               | 631        | 728      | 1080 | 954  | 963  | 88        | 801  | 648  | 1250 | 954  | 850  | 90        |
|       | 90               | 655        | 746      | 1120 | 954  | 963  | 89        | 834  | 679  | 1300 | 954  | 850  | 90        |
|       | 100              | 679        | 765      | 1160 | 954  | 963  | 89        | 868  | 711  | 1350 | 954  | 850  | 90        |
|       | 112              | 702        | 783      | 1200 | 954  | 963  | 89        | 900  | 740  | 1400 | 954  | 850  | 91        |
|       | 132              | 773        | 843      | 1300 | 954  | 963  | 90        | 922  | 761  | 1450 | 954  | 850  | 91        |
| 560   | 160              | 837        | 896      | 1400 | 954  | 963  | 91        | 984  | 820  | 1550 | 954  | 850  | 92        |
|       | 90               | 709        | 819      | 1200 | 1030 | 1069 | 111       | 906  | 735  | 1400 | 1030 | 942  | 112       |
|       | 100              | 742        | 845      | 1250 | 1030 | 1069 | 111       | 939  | 766  | 1450 | 1030 | 942  | 113       |
|       | 112              | 774        | 870      | 1300 | 1030 | 1069 | 112       | 970  | 794  | 1500 | 1030 | 942  | 113       |
|       | 132              | 844        | 928      | 1400 | 1030 | 1069 | 112       | 991  | 814  | 1550 | 1030 | 942  | 114       |
|       | 160              | 907        | 980      | 1500 | 1030 | 1069 | 113       | 1099 | 918  | 1700 | 1030 | 942  | 115       |
| 630   | 180              | 981        | 1044     | 1600 | 1030 | 1069 | 114       | 1123 | 940  | 1750 | 1030 | 942  | 115       |
|       | 90               | 781        | 908      | 1300 | 1122 | 1197 | 135       | 1025 | 834  | 1550 | 1122 | 1055 | 137       |
|       | 100              | 814        | 933      | 1350 | 1122 | 1197 | 136       | 1057 | 864  | 1600 | 1122 | 1055 | 138       |
|       | 112              | 844        | 957      | 1400 | 1122 | 1197 | 136       | 1088 | 891  | 1650 | 1122 | 1055 | 138       |
|       | 132              | 913        | 1014     | 1500 | 1122 | 1197 | 137       | 1108 | 909  | 1700 | 1122 | 1055 | 139       |
|       | 160              | 974        | 1062     | 1600 | 1122 | 1197 | 138       | 1167 | 964  | 1800 | 1122 | 1055 | 139       |
| 710   | 180              | 1046       | 1125     | 1700 | 1122 | 1197 | 139       | 1238 | 1032 | 1900 | 1122 | 1055 | 140       |
|       | 90               | 871        | 1011     | 1450 | 1264 | 1376 | 204       | 1109 | 893  | 1700 | 1264 | 1200 | 207       |
|       | 100              | 904        | 1037     | 1500 | 1264 | 1376 | 205       | 1141 | 923  | 1750 | 1264 | 1200 | 208       |
|       | 112              | 935        | 1061     | 1550 | 1264 | 1376 | 205       | 1171 | 950  | 1800 | 1264 | 1200 | 208       |
|       | 132              | 956        | 1074     | 1600 | 1264 | 1376 | 206       | 1192 | 968  | 1850 | 1264 | 1200 | 209       |
|       | 160              | 1016       | 1121     | 1700 | 1264 | 1376 | 207       | 1250 | 1022 | 1950 | 1264 | 1200 | 210       |
| 710   | 180              | 1087       | 1182     | 1800 | 1264 | 1376 | 208       | 1321 | 1089 | 2050 | 1264 | 1200 | 211       |
|       | 200              | 1160       | 1245     | 1900 | 1264 | 1376 | 210       | 1344 | 1111 | 2100 | 1264 | 1200 | 212       |

\* The above weight does not include motor and drive unit as these will vary with supplier.

All Dimensions in mm.

## OVERALL DIMENSION – BDB “C” SERIES

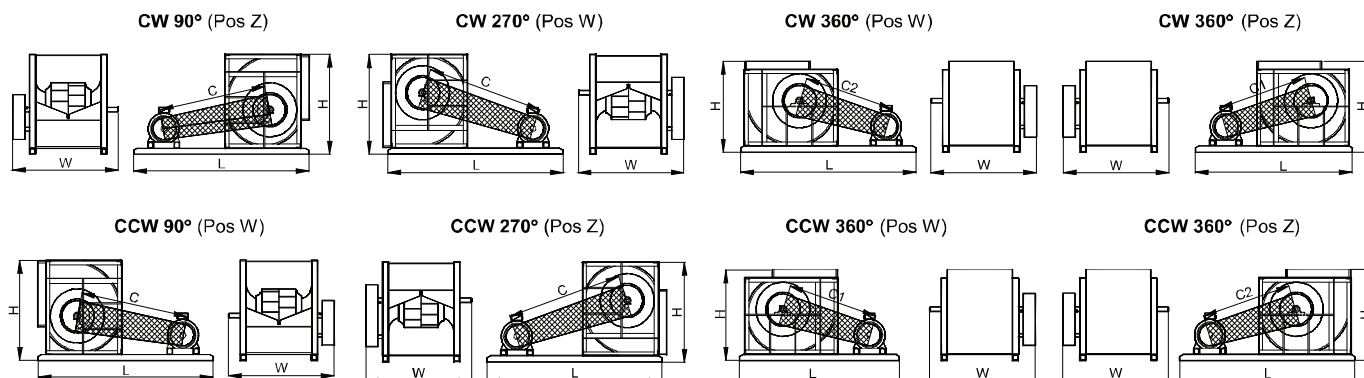


| Model | Motor Frame Size | 90° / 270° |          |      |      |      |           | 360° |      |      |      |      |           |
|-------|------------------|------------|----------|------|------|------|-----------|------|------|------|------|------|-----------|
|       |                  | C (90°)    | C (270°) | L    | W    | H    | * Wt (kg) | C1   | C2   | L    | W    | H    | * Wt (kg) |
| 315   | 71               | 460        | 500      | 780  | 630  | 618  | 33        | 534  | 433  | 880  | 630  | 558  | 34        |
|       | 80               | 488        | 524      | 820  | 630  | 618  | 33        | 561  | 459  | 920  | 630  | 558  | 34        |
|       | 90               | 515        | 547      | 860  | 630  | 618  | 34        | 587  | 484  | 960  | 630  | 558  | 34        |
|       | 100              | 542        | 571      | 900  | 630  | 618  | 34        | 614  | 509  | 1000 | 630  | 558  | 34        |
|       | 112              | 568        | 594      | 940  | 630  | 618  | 34        | 638  | 533  | 1040 | 630  | 558  | 35        |
|       | 132              | 625        | 645      | 1020 | 630  | 618  | 35        | 694  | 587  | 1120 | 630  | 558  | 35        |
| 355   | 71               | 496        | 547      | 840  | 702  | 694  | 48        | 593  | 479  | 960  | 702  | 618  | 49        |
|       | 80               | 523        | 570      | 880  | 702  | 694  | 48        | 601  | 485  | 980  | 702  | 618  | 49        |
|       | 90               | 549        | 592      | 920  | 702  | 694  | 48        | 626  | 509  | 1020 | 702  | 618  | 49        |
|       | 100              | 576        | 615      | 960  | 702  | 694  | 49        | 652  | 534  | 1060 | 702  | 618  | 49        |
|       | 112              | 620        | 654      | 1020 | 702  | 694  | 49        | 695  | 575  | 1120 | 702  | 618  | 49        |
|       | 132              | 676        | 704      | 1100 | 702  | 694  | 49        | 749  | 628  | 1200 | 702  | 618  | 50        |
| 400   | 71               | 561        | 621      | 920  | 756  | 776  | 53        | 651  | 527  | 1040 | 756  | 690  | 53        |
|       | 80               | 569        | 626      | 940  | 756  | 776  | 53        | 677  | 550  | 1080 | 756  | 690  | 53        |
|       | 90               | 595        | 647      | 980  | 756  | 776  | 53        | 702  | 573  | 1120 | 756  | 690  | 54        |
|       | 100              | 621        | 669      | 1020 | 756  | 776  | 53        | 727  | 597  | 1160 | 756  | 690  | 54        |
|       | 112              | 664        | 708      | 1080 | 756  | 776  | 53        | 750  | 619  | 1200 | 756  | 690  | 54        |
|       | 132              | 719        | 756      | 1160 | 756  | 776  | 54        | 823  | 689  | 1300 | 756  | 690  | 55        |
| 450   | 160              | 776        | 806      | 1250 | 756  | 776  | 54        | 888  | 752  | 1400 | 756  | 690  | 55        |
|       | 80               | 633        | 701      | 1020 | 844  | 867  | 70        | 733  | 593  | 1160 | 844  | 766  | 71        |
|       | 90               | 658        | 722      | 1060 | 844  | 867  | 71        | 757  | 615  | 1200 | 844  | 766  | 71        |
|       | 100              | 684        | 743      | 1100 | 844  | 867  | 71        | 791  | 647  | 1250 | 844  | 766  | 72        |
|       | 112              | 707        | 763      | 1140 | 844  | 867  | 71        | 824  | 678  | 1300 | 844  | 766  | 72        |
|       | 132              | 741        | 790      | 1200 | 844  | 867  | 71        | 846  | 699  | 1350 | 844  | 766  | 72        |
| 500   | 160              | 856        | 894      | 1350 | 844  | 867  | 72        | 909  | 759  | 1450 | 844  | 766  | 73        |
|       | 80               | 661        | 740      | 1080 | 954  | 968  | 95        | 779  | 629  | 1250 | 954  | 850  | 97        |
|       | 90               | 686        | 760      | 1120 | 954  | 968  | 96        | 812  | 659  | 1300 | 954  | 850  | 97        |
|       | 100              | 711        | 780      | 1160 | 954  | 968  | 96        | 845  | 691  | 1350 | 954  | 850  | 97        |
|       | 112              | 734        | 799      | 1200 | 954  | 968  | 96        | 877  | 720  | 1400 | 954  | 850  | 98        |
|       | 132              | 805        | 861      | 1300 | 954  | 968  | 97        | 899  | 740  | 1450 | 954  | 850  | 98        |
| 560   | 160              | 870        | 917      | 1400 | 954  | 968  | 98        | 961  | 799  | 1550 | 954  | 850  | 99        |
|       | 90               | 739        | 830      | 1200 | 1030 | 1080 | 126       | 884  | 714  | 1400 | 1030 | 942  | 127       |
|       | 100              | 773        | 858      | 1250 | 1030 | 1080 | 126       | 916  | 744  | 1450 | 1030 | 942  | 128       |
|       | 112              | 804        | 884      | 1300 | 1030 | 1080 | 127       | 947  | 773  | 1500 | 1030 | 942  | 128       |
|       | 132              | 875        | 945      | 1400 | 1030 | 1080 | 127       | 968  | 792  | 1550 | 1030 | 942  | 129       |
|       | 160              | 938        | 998      | 1500 | 1030 | 1080 | 128       | 1076 | 895  | 1700 | 1030 | 942  | 130       |
| 630   | 180              | 1012       | 1064     | 1600 | 1030 | 1080 | 129       | 1100 | 917  | 1750 | 1030 | 942  | 130       |
|       | 90               | 816        | 923      | 1300 | 1122 | 1207 | 158       | 998  | 811  | 1550 | 1122 | 1048 | 160       |
|       | 100              | 848        | 950      | 1350 | 1122 | 1207 | 159       | 1031 | 840  | 1600 | 1122 | 1048 | 161       |
|       | 112              | 879        | 975      | 1400 | 1122 | 1207 | 159       | 1061 | 868  | 1650 | 1122 | 1048 | 161       |
|       | 132              | 948        | 1034     | 1500 | 1122 | 1207 | 160       | 1082 | 886  | 1700 | 1122 | 1048 | 162       |
|       | 160              | 1010       | 1085     | 1600 | 1122 | 1207 | 161       | 1140 | 940  | 1800 | 1122 | 1048 | 162       |
| 710   | 180              | 1082       | 1149     | 1700 | 1122 | 1207 | 162       | 1211 | 1008 | 1900 | 1122 | 1048 | 163       |
|       | 90               | 907        | 1028     | 1450 | 1264 | 1382 | 229       | 1080 | 868  | 1700 | 1264 | 1200 | 232       |
|       | 100              | 941        | 1055     | 1500 | 1264 | 1382 | 230       | 1112 | 897  | 1750 | 1264 | 1200 | 233       |
|       | 112              | 972        | 1080     | 1550 | 1264 | 1382 | 230       | 1142 | 924  | 1800 | 1264 | 1200 | 233       |
|       | 132              | 993        | 1095     | 1600 | 1264 | 1382 | 231       | 1162 | 941  | 1850 | 1264 | 1200 | 234       |
|       | 160              | 1054       | 1144     | 1700 | 1264 | 1382 | 232       | 1220 | 994  | 1950 | 1264 | 1200 | 235       |
|       | 180              | 1126       | 1207     | 1800 | 1264 | 1382 | 233       | 1290 | 1061 | 2050 | 1264 | 1200 | 236       |
|       | 200              | 1199       | 1272     | 1900 | 1264 | 1382 | 235       | 1313 | 1082 | 2100 | 1264 | 1200 | 237       |

\* The above weight does not include motor and drive unit as these will vary with supplier.

All Dimensions in mm.

# OVERALL DIMENSION – BDB “T” SERIES

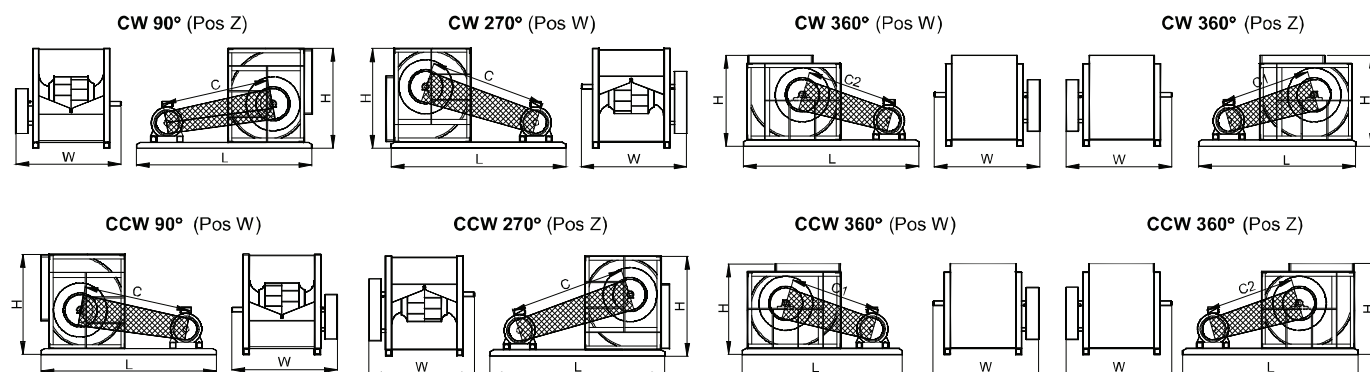


| Model | Motor Frame Size | 90°/ 270° |          |      |      |      |           | 360° |      |      |      |      |           |
|-------|------------------|-----------|----------|------|------|------|-----------|------|------|------|------|------|-----------|
|       |                  | C (90°)   | C (270°) | L    | W    | H    | * Wt (kg) | C1   | C2   | L    | W    | H    | * Wt (kg) |
| 315   | 100              | 542       | 571      | 900  | 662  | 618  | 47        | 614  | 509  | 1000 | 662  | 558  | 47        |
|       | 112              | 568       | 594      | 940  | 662  | 618  | 47        | 638  | 533  | 1040 | 662  | 558  | 48        |
|       | 132              | 625       | 645      | 1020 | 662  | 618  | 48        | 694  | 587  | 1120 | 662  | 558  | 48        |
|       | 160              | 715       | 728      | 1140 | 662  | 618  | 48        | 791  | 684  | 1250 | 662  | 558  | 49        |
| 355   | 100              | 576       | 615      | 960  | 748  | 694  | 61        | 652  | 534  | 1060 | 748  | 618  | 61        |
|       | 112              | 620       | 654      | 1020 | 748  | 694  | 61        | 695  | 575  | 1120 | 748  | 618  | 61        |
|       | 132              | 676       | 704      | 1100 | 748  | 694  | 61        | 749  | 628  | 1200 | 748  | 618  | 62        |
|       | 160              | 745       | 766      | 1200 | 748  | 694  | 62        | 816  | 693  | 1300 | 748  | 618  | 62        |
| 400   | 112              | 664       | 708      | 1080 | 802  | 776  | 75        | 750  | 619  | 1200 | 802  | 690  | 76        |
|       | 132              | 719       | 756      | 1160 | 802  | 776  | 76        | 823  | 689  | 1300 | 802  | 690  | 77        |
|       | 160              | 776       | 806      | 1250 | 802  | 776  | 76        | 888  | 752  | 1400 | 802  | 690  | 77        |
|       | 180              | 854       | 877      | 1350 | 802  | 776  | 77        | 914  | 778  | 1450 | 802  | 690  | 77        |
| 450   | 112              | 707       | 763      | 1140 | 908  | 867  | 98        | 824  | 678  | 1300 | 908  | 766  | 99        |
|       | 132              | 741       | 790      | 1200 | 908  | 867  | 98        | 846  | 699  | 1350 | 908  | 766  | 99        |
|       | 160              | 856       | 894      | 1350 | 908  | 867  | 99        | 958  | 807  | 1500 | 908  | 766  | 100       |
|       | 180              | 883       | 916      | 1400 | 908  | 867  | 99        | 983  | 832  | 1550 | 908  | 766  | 100       |
| 500   | 132              | 805       | 861      | 1300 | 986  | 968  | 134       | 899  | 740  | 1450 | 986  | 850  | 135       |
|       | 160              | 870       | 917      | 1400 | 986  | 968  | 135       | 961  | 799  | 1550 | 986  | 850  | 136       |
|       | 180              | 945       | 985      | 1500 | 986  | 968  | 136       | 1034 | 871  | 1650 | 986  | 850  | 137       |
|       | 200              | 972       | 1008     | 1550 | 986  | 968  | 136       | 1109 | 944  | 1750 | 986  | 850  | 137       |
| 560   | 132              | 875       | 945      | 1400 | 1110 | 1080 | 175       | 968  | 792  | 1550 | 1110 | 942  | 177       |
|       | 160              | 938       | 998      | 1500 | 1110 | 1080 | 176       | 1076 | 895  | 1700 | 1110 | 942  | 178       |
|       | 180              | 1012      | 1064     | 1600 | 1110 | 1080 | 177       | 1100 | 917  | 1750 | 1110 | 942  | 178       |
|       | 200              | 1038      | 1085     | 1650 | 1110 | 1080 | 177       | 1173 | 989  | 1850 | 1110 | 942  | 179       |
| 630   | 160              | 1010      | 1085     | 1600 | 1196 | 1207 | 217       | 1140 | 940  | 1800 | 1196 | 1048 | 218       |
|       | 180              | 1082      | 1149     | 1700 | 1196 | 1207 | 218       | 1211 | 1008 | 1900 | 1196 | 1048 | 219       |
|       | 200              | 1107      | 1169     | 1750 | 1196 | 1207 | 218       | 1235 | 1030 | 1950 | 1196 | 1048 | 220       |
|       | 225              | 1177      | 1230     | 1850 | 1196 | 1207 | 219       | 1301 | 1095 | 2050 | 1196 | 1048 | 220       |
| 710   | 160              | 1054      | 1144     | 1700 | 1310 | 1382 | 284       | 1220 | 994  | 1950 | 1310 | 1200 | 287       |
|       | 180              | 1126      | 1207     | 1800 | 1310 | 1382 | 285       | 1290 | 1061 | 2050 | 1310 | 1200 | 288       |
|       | 200              | 1199      | 1272     | 1900 | 1310 | 1382 | 287       | 1313 | 1082 | 2100 | 1310 | 1200 | 289       |
|       | 225              | 1268      | 1333     | 2000 | 1310 | 1382 | 288       | 1379 | 1146 | 2200 | 1310 | 1200 | 290       |
| 800   | 90               | 986       | 1130     | 1550 | 1418 | 1548 | 332       | 1187 | 955  | 1850 | 1418 | 1334 | 335       |
|       | 100              | 1018      | 1156     | 1600 | 1418 | 1548 | 332       | 1218 | 983  | 1900 | 1418 | 1334 | 336       |
|       | 112              | 1048      | 1180     | 1650 | 1418 | 1548 | 333       | 1247 | 1009 | 1950 | 1418 | 1334 | 337       |
|       | 132              | 1115      | 1235     | 1750 | 1418 | 1548 | 334       | 1267 | 1024 | 2000 | 1418 | 1334 | 337       |
|       | 160              | 1174      | 1283     | 1850 | 1418 | 1548 | 335       | 1370 | 1120 | 2150 | 1418 | 1334 | 339       |
|       | 180              | 1197      | 1300     | 1900 | 1418 | 1548 | 336       | 1391 | 1139 | 2200 | 1418 | 1334 | 340       |
|       | 200              | 1269      | 1362     | 2000 | 1418 | 1548 | 337       | 1461 | 1206 | 2300 | 1418 | 1334 | 341       |
|       | 225              | 1336      | 1420     | 2100 | 1418 | 1548 | 338       | 1526 | 1268 | 2400 | 1418 | 1334 | 342       |
| 900   | 100              | 1140      | 1302     | 1750 | 1596 | 1728 | 405       | 1330 | 1067 | 2050 | 1596 | 1488 | 408       |
|       | 112              | 1169      | 1325     | 1800 | 1596 | 1728 | 405       | 1358 | 1092 | 2100 | 1596 | 1488 | 409       |
|       | 132              | 1189      | 1338     | 1850 | 1596 | 1728 | 406       | 1421 | 1148 | 2200 | 1596 | 1488 | 410       |
|       | 160              | 1293      | 1425     | 2000 | 1596 | 1728 | 408       | 1476 | 1197 | 2300 | 1596 | 1488 | 411       |
|       | 180              | 1315      | 1441     | 2050 | 1596 | 1728 | 408       | 1543 | 1260 | 2400 | 1596 | 1488 | 413       |
|       | 200              | 1385      | 1501     | 2150 | 1596 | 1728 | 410       | 1564 | 1278 | 2450 | 1596 | 1488 | 413       |
|       | 225              | 1451      | 1557     | 2250 | 1596 | 1728 | 411       | 1627 | 1338 | 2550 | 1596 | 1488 | 414       |
|       | 250              | 1518      | 1615     | 2350 | 1596 | 1728 | 412       | 1692 | 1399 | 2650 | 1596 | 1488 | 416       |

\* The above weight does not include motor and drive unit as these will vary with supplier.

All Dimensions in mm.

## OVERALL DIMENSION – BDB “T” SERIES

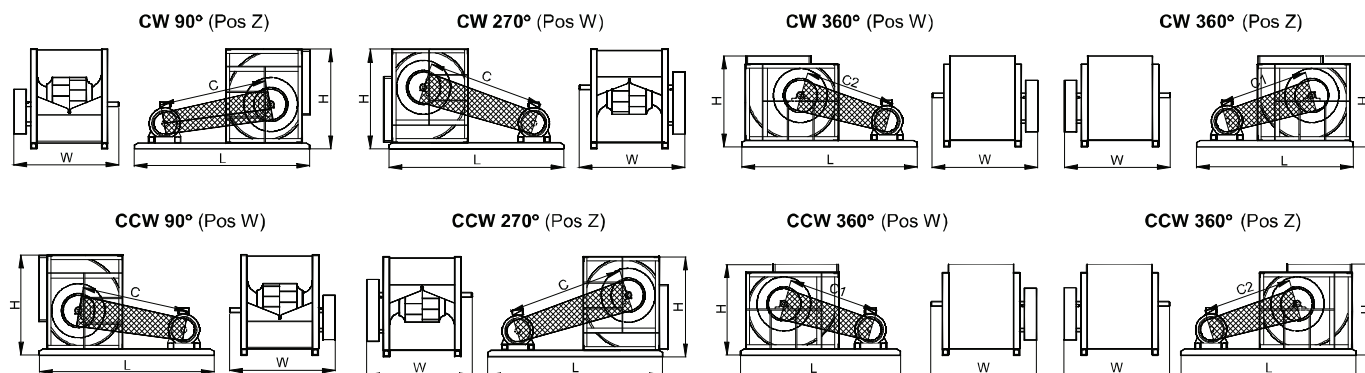


| Model | Motor Frame Size | 90° / 270° |          |      |      |      |           | 360° |      |      |      |      |           |
|-------|------------------|------------|----------|------|------|------|-----------|------|------|------|------|------|-----------|
|       |                  | C (90°)    | C (270°) | L    | W    | H    | * Wt (kg) | C1   | C2   | L    | W    | H    | * Wt (kg) |
| 1000  | 100              | 1212       | 1401     | 1850 | 1754 | 1890 | 513       | 1486 | 1198 | 2250 | 1754 | 1620 | 518       |
|       | 112              | 1241       | 1423     | 1900 | 1754 | 1890 | 514       | 1514 | 1222 | 2300 | 1754 | 1620 | 519       |
|       | 132              | 1305       | 1475     | 2000 | 1754 | 1890 | 515       | 1532 | 1236 | 2350 | 1754 | 1620 | 520       |
|       | 160              | 1361       | 1518     | 2100 | 1754 | 1890 | 517       | 1586 | 1282 | 2450 | 1754 | 1620 | 521       |
|       | 180              | 1429       | 1575     | 2200 | 1754 | 1890 | 518       | 1651 | 1343 | 2550 | 1754 | 1620 | 522       |
|       | 200              | 1451       | 1591     | 2250 | 1754 | 1890 | 518       | 1672 | 1360 | 2600 | 1754 | 1620 | 523       |
|       | 225              | 1515       | 1644     | 2350 | 1754 | 1890 | 520       | 1734 | 1418 | 2700 | 1754 | 1620 | 524       |
|       | 250              | 1581       | 1700     | 2450 | 1754 | 1890 | 521       | 1797 | 1477 | 2800 | 1754 | 1620 | 525       |
| 1120  | 112              | 1404       | 1603     | 2100 | 1830 | 2158 | 785       | 1676 | 1342 | 2500 | 1830 | 1850 | 795       |
|       | 132              | 1423       | 1615     | 2150 | 1830 | 2158 | 786       | 1695 | 1356 | 2550 | 1830 | 1850 | 797       |
|       | 160              | 1479       | 1658     | 2250 | 1830 | 2158 | 789       | 1749 | 1403 | 2650 | 1830 | 1850 | 799       |
|       | 180              | 1547       | 1715     | 2350 | 1830 | 2158 | 791       | 1815 | 1464 | 2750 | 1830 | 1850 | 802       |
|       | 200              | 1568       | 1730     | 2400 | 1830 | 2158 | 793       | 1836 | 1482 | 2800 | 1830 | 1850 | 803       |
|       | 225              | 1632       | 1783     | 2500 | 1830 | 2158 | 795       | 1898 | 1539 | 2900 | 1830 | 1850 | 806       |
|       | 250              | 1697       | 1837     | 2600 | 1830 | 2158 | 798       | 1961 | 1599 | 3000 | 1830 | 1850 | 809       |
|       | 280              | 1806       | 1932     | 2750 | 1830 | 2158 | 802       | 2067 | 1700 | 3150 | 1830 | 1850 | 813       |
| 1250  | 132              | 1564       | 1790     | 2350 | 2005 | 2435 | 1160      | 1873 | 1491 | 2800 | 2005 | 2080 | 1182      |
|       | 160              | 1619       | 1831     | 2450 | 2005 | 2435 | 1165      | 1926 | 1537 | 2900 | 2005 | 2080 | 1187      |
|       | 180              | 1687       | 1886     | 2550 | 2005 | 2435 | 1170      | 1992 | 1596 | 3000 | 2005 | 2080 | 1191      |
|       | 200              | 1708       | 1901     | 2600 | 2005 | 2435 | 1172      | 2058 | 1657 | 3100 | 2005 | 2080 | 1196      |
|       | 225              | 1771       | 1952     | 2700 | 2005 | 2435 | 1177      | 2120 | 1714 | 3200 | 2005 | 2080 | 1201      |
|       | 250              | 1835       | 2005     | 2800 | 2005 | 2435 | 1182      | 2182 | 1772 | 3300 | 2005 | 2080 | 1206      |
|       | 280              | 1943       | 2097     | 2950 | 2005 | 2435 | 1189      | 2240 | 1825 | 3400 | 2005 | 2080 | 1211      |
| 1400  | 132              | 1733       | 1995     | 2600 | 2290 | 2718 | 1580      | 2084 | 1661 | 3100 | 2290 | 2320 | 1604      |
|       | 160              | 1786       | 2035     | 2700 | 2290 | 2718 | 1585      | 2137 | 1707 | 3200 | 2290 | 2320 | 1609      |
|       | 180              | 1805       | 2047     | 2750 | 2290 | 2718 | 1587      | 2202 | 1765 | 3330 | 2290 | 2320 | 1614      |
|       | 200              | 1872       | 2101     | 2850 | 2290 | 2718 | 1592      | 2222 | 1782 | 3350 | 2290 | 2320 | 1616      |
|       | 225              | 1933       | 2150     | 2950 | 2290 | 2718 | 1597      | 2282 | 1836 | 3450 | 2290 | 2320 | 1621      |
|       | 250              | 1995       | 2201     | 3050 | 2290 | 2718 | 1602      | 2343 | 1893 | 3550 | 2290 | 2320 | 1626      |
|       | 280              | 2053       | 2247     | 3150 | 2290 | 2718 | 1607      | 2447 | 1990 | 3700 | 2290 | 2320 | 1633      |
|       | 315              | 2153       | 2331     | 3300 | 2290 | 2718 | 1614      | 2498 | 2037 | 3800 | 2290 | 2320 | 1638      |

\* The above weight does not include motor and drive unit as these will vary with supplier.

All Dimensions in mm.

# OVERALL DIMENSION – BDB “X” SERIES



| Model | Motor Frame Size | 90°/ 270° |          |      |      |      |          | 360° |      |      |      |      |          |
|-------|------------------|-----------|----------|------|------|------|----------|------|------|------|------|------|----------|
|       |                  | C (90°)   | C (270°) | L    | W    | H    | *Wt (kg) | C1   | C2   | L    | W    | H    | *Wt (kg) |
| 315   | 132              | 625       | 645      | 1020 | 762  | 618  | 57       | 694  | 587  | 1120 | 762  | 558  | 57       |
|       | 160              | 715       | 728      | 1140 | 762  | 618  | 57       | 791  | 684  | 1250 | 762  | 558  | 58       |
|       | 180              | 754       | 764      | 1200 | 762  | 618  | 57       | 819  | 712  | 1300 | 762  | 558  | 58       |
|       | 200              | 834       | 840      | 1300 | 762  | 618  | 58       | 898  | 790  | 1400 | 762  | 558  | 58       |
| 355   | 132              | 676       | 704      | 1100 | 852  | 694  | 73       | 749  | 628  | 1200 | 852  | 618  | 74       |
|       | 160              | 745       | 766      | 1200 | 852  | 694  | 74       | 816  | 693  | 1300 | 852  | 618  | 74       |
|       | 180              | 823       | 839      | 1300 | 852  | 694  | 74       | 892  | 769  | 1400 | 852  | 618  | 75       |
|       | 200              | 852       | 865      | 1350 | 852  | 694  | 75       | 920  | 797  | 1450 | 852  | 618  | 75       |
| 400   | 160              | 776       | 806      | 1250 | 906  | 776  | 91       | 888  | 752  | 1400 | 906  | 690  | 92       |
|       | 180              | 854       | 877      | 1350 | 906  | 776  | 92       | 914  | 778  | 1450 | 906  | 690  | 92       |
|       | 200              | 882       | 902      | 1400 | 906  | 776  | 92       | 990  | 853  | 1550 | 906  | 690  | 93       |
|       | 225              | 956       | 970      | 1500 | 906  | 776  | 93       | 1062 | 925  | 1650 | 906  | 690  | 93       |
| 450   | 160              | 856       | 894      | 1350 | 976  | 867  | 104      | 958  | 807  | 1500 | 976  | 766  | 105      |
|       | 180              | 883       | 916      | 1400 | 976  | 867  | 104      | 983  | 832  | 1550 | 976  | 766  | 105      |
|       | 200              | 960       | 987      | 1500 | 976  | 867  | 105      | 1059 | 906  | 1650 | 976  | 766  | 106      |
|       | 225              | 1032      | 1055     | 1600 | 976  | 867  | 105      | 1130 | 976  | 1750 | 976  | 766  | 106      |
| 500   | 180              | 945       | 985      | 1500 | 1096 | 968  | 142      | 1034 | 871  | 1650 | 1096 | 850  | 143      |
|       | 200              | 972       | 1008     | 1550 | 1096 | 968  | 142      | 1109 | 944  | 1750 | 1096 | 850  | 143      |
|       | 225              | 1044      | 1073     | 1650 | 1096 | 968  | 143      | 1179 | 1013 | 1850 | 1096 | 850  | 144      |
|       | 250              | 1117      | 1140     | 1750 | 1096 | 968  | 143      | 1250 | 1083 | 1950 | 1096 | 850  | 145      |
| 560   | 180              | 1012      | 1064     | 1600 | 1168 | 1080 | 185      | 1100 | 917  | 1750 | 1168 | 942  | 186      |
|       | 200              | 1038      | 1085     | 1650 | 1168 | 1080 | 185      | 1173 | 989  | 1850 | 1168 | 942  | 187      |
|       | 225              | 1109      | 1149     | 1750 | 1168 | 1080 | 186      | 1242 | 1056 | 1950 | 1168 | 942  | 188      |
|       | 250              | 1180      | 1214     | 1850 | 1168 | 1080 | 187      | 1312 | 1124 | 2050 | 1168 | 942  | 189      |
| 630   | 200              | 1107      | 1169     | 1750 | 1316 | 1207 | 233      | 1235 | 1030 | 1950 | 1316 | 1048 | 235      |
|       | 225              | 1177      | 1230     | 1850 | 1316 | 1207 | 234      | 1301 | 1095 | 2050 | 1316 | 1048 | 235      |
|       | 250              | 1247      | 1294     | 1950 | 1316 | 1207 | 235      | 1370 | 1161 | 2150 | 1316 | 1048 | 236      |
|       | 280              | 1362      | 1401     | 2100 | 1316 | 1207 | 236      | 1483 | 1273 | 2300 | 1316 | 1048 | 237      |
| 710   | 200              | 1199      | 1272     | 1900 | 1420 | 1382 | 307      | 1313 | 1082 | 2100 | 1420 | 1200 | 309      |
|       | 225              | 1268      | 1333     | 2000 | 1420 | 1382 | 308      | 1379 | 1146 | 2200 | 1420 | 1200 | 310      |
|       | 250              | 1338      | 1395     | 2100 | 1420 | 1382 | 309      | 1447 | 1211 | 2300 | 1420 | 1200 | 311      |
|       | 280              | 1403      | 1453     | 2200 | 1420 | 1382 | 310      | 1559 | 1321 | 2450 | 1420 | 1200 | 313      |
| 800   | 160              | 1168      | 1273     | 1850 | 1528 | 1568 | 378      | 1363 | 1112 | 2150 | 1528 | 1354 | 384      |
|       | 180              | 1191      | 1290     | 1900 | 1528 | 1568 | 379      | 1385 | 1132 | 2200 | 1528 | 1354 | 385      |
|       | 200              | 1264      | 1353     | 2000 | 1528 | 1568 | 381      | 1455 | 1199 | 2300 | 1528 | 1354 | 387      |
|       | 225              | 1331      | 1412     | 2100 | 1528 | 1568 | 383      | 1521 | 1261 | 2400 | 1528 | 1354 | 389      |
|       | 250              | 1400      | 1472     | 2200 | 1528 | 1568 | 385      | 1587 | 1326 | 2500 | 1528 | 1354 | 391      |
|       | 280              | 1464      | 1528     | 2300 | 1528 | 1568 | 387      | 1649 | 1386 | 2600 | 1528 | 1354 | 392      |
| 900   | 180              | 1308      | 1431     | 2050 | 1690 | 1748 | 458      | 1536 | 1251 | 2400 | 1690 | 1508 | 465      |
|       | 200              | 1380      | 1492     | 2150 | 1690 | 1748 | 460      | 1558 | 1270 | 2450 | 1690 | 1508 | 466      |
|       | 225              | 1446      | 1548     | 2250 | 1690 | 1748 | 462      | 1621 | 1330 | 2550 | 1690 | 1508 | 468      |
|       | 250              | 1513      | 1607     | 2350 | 1690 | 1748 | 464      | 1686 | 1392 | 2650 | 1690 | 1508 | 470      |
|       | 280              | 1576      | 1660     | 2450 | 1690 | 1748 | 466      | 1795 | 1497 | 2800 | 1690 | 1508 | 472      |
|       | 315              | 1683      | 1757     | 2600 | 1690 | 1748 | 469      | 1850 | 1551 | 2900 | 1690 | 1508 | 474      |
| 1000  | 200              | 1445      | 1581     | 2250 | 1875 | 1910 | 580      | 1665 | 1352 | 2800 | 1875 | 1640 | 586      |
|       | 225              | 1510      | 1635     | 2350 | 1875 | 1910 | 582      | 1727 | 1410 | 2700 | 1875 | 1640 | 588      |
|       | 250              | 1576      | 1691     | 2450 | 1875 | 1910 | 583      | 1790 | 1469 | 2800 | 1875 | 1640 | 590      |
|       | 280              | 1686      | 1789     | 2600 | 1875 | 1910 | 586      | 1897 | 1572 | 2950 | 1875 | 1640 | 593      |
|       | 315              | 1792      | 1882     | 2750 | 1875 | 1910 | 589      | 2000 | 1671 | 3100 | 1875 | 1640 | 596      |

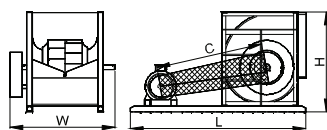
\* The above weight does not include motor and drive unit as these will vary with supplier.

All Dimensions in mm.

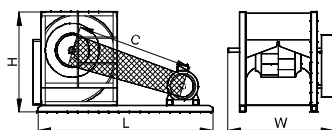


## OVERALL DIMENSION – BDB “X” SERIES

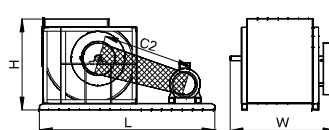
CW 90° (Pos Z)



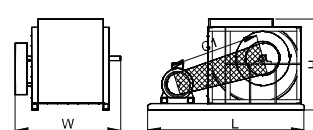
CW 270° (Pos W)



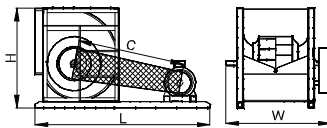
CW 360° (Pos W)



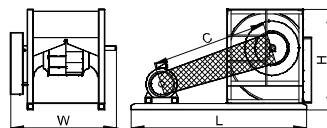
CW 360° (Pos Z)



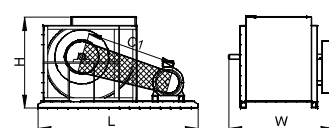
CCW 90° (Pos W)



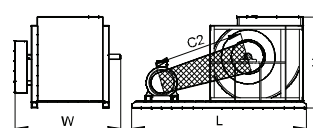
CCW 270° (Pos Z)



CCW 360° (Pos W)



CCW 360° (Pos Z)



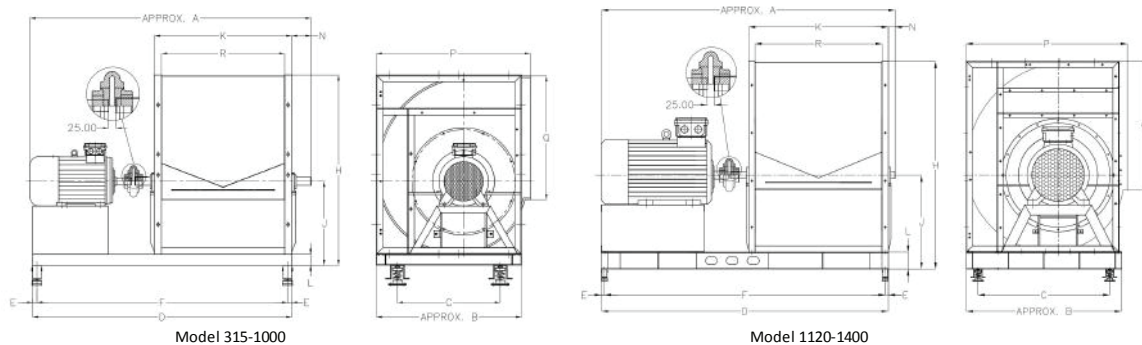
| Model | Motor Frame Size | 90° / 270° |          |      |      |      |           | 360° |      |      |      |      |           |
|-------|------------------|------------|----------|------|------|------|-----------|------|------|------|------|------|-----------|
|       |                  | C (90°)    | C (270°) | L    | W    | H    | * Wt (kg) | C1   | C2   | L    | W    | H    | * Wt (kg) |
| 1120  | 250              | 1746       | 1882     | 2650 | 1946 | 2158 | 867       | 1961 | 1599 | 3000 | 1946 | 1850 | 877       |
|       | 280              | 1806       | 1932     | 2750 | 1946 | 2158 | 870       | 2067 | 1700 | 3150 | 1946 | 1850 | 881       |
|       | 315              | 1911       | 2024     | 2900 | 1946 | 2158 | 874       | 2169 | 1798 | 3300 | 1946 | 1850 | 885       |
|       | 355              | 2012       | 2112     | 3050 | 1946 | 2158 | 878       | 2266 | 1892 | 3450 | 1946 | 1850 | 889       |
| 1250  | 250              | 1883       | 2049     | 2850 | 2065 | 2435 | 1281      | 2182 | 1772 | 3300 | 2065 | 2080 | 1303      |
|       | 280              | 1943       | 2097     | 2950 | 2065 | 2435 | 1286      | 2240 | 1825 | 3400 | 2065 | 2080 | 1308      |
|       | 315              | 2046       | 2186     | 3100 | 2065 | 2435 | 1293      | 2340 | 1921 | 3550 | 2065 | 2080 | 1315      |
|       | 355              | 2145       | 2272     | 3250 | 2065 | 2435 | 1300      | 2436 | 2013 | 3700 | 2065 | 2080 | 1322      |
| 1400  | 280              | 2053       | 2247     | 3150 | 2325 | 2718 | 1675      | 2447 | 1990 | 3700 | 2325 | 2320 | 1701      |
|       | 315              | 2153       | 2331     | 3300 | 2325 | 2718 | 1682      | 2498 | 2037 | 3800 | 2325 | 2320 | 1706      |
|       | 355              | 2250       | 2413     | 3450 | 2325 | 2718 | 1689      | 2640 | 2173 | 4000 | 2325 | 2320 | 1715      |

\* The above weight does not include motor and drive unit as these will vary with supplier.

All Dimensions in mm.

\* Please consult Kruger for the overall dimension of Fan BDB 1600, 1800 & 2000.

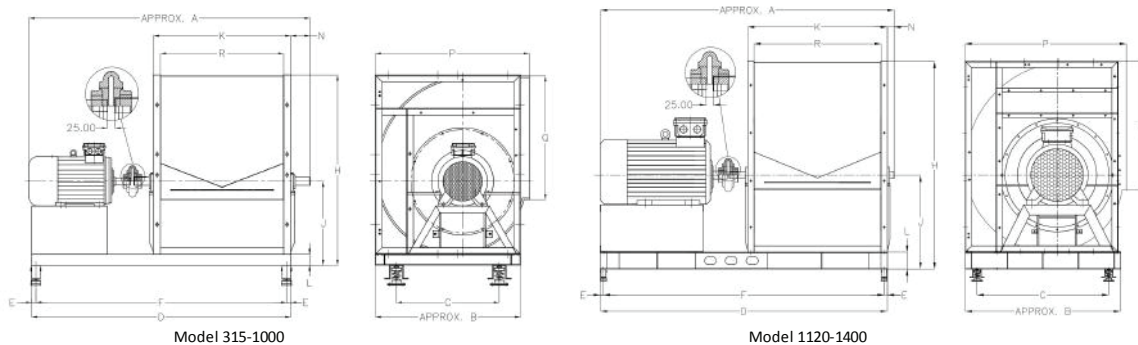
# Overall Fan Assembly Dimensions with Coupling Rotation 90°



| Model | Type | Rotation | FS  | A    | B    | C   | D    | E    | F    | H    | J   | K   | L  | N   | P    | R   | Q   | Weight(Kg.) |
|-------|------|----------|-----|------|------|-----|------|------|------|------|-----|-----|----|-----|------|-----|-----|-------------|
| 315   | C    | 90       | 80  | 920  | 480  | 320 | 850  | 27.5 | 795  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 42          |
| 315   | C    | 90       | 90  | 970  | 480  | 320 | 900  | 27.5 | 845  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 44          |
| 315   | C    | 90       | 100 | 1010 | 480  | 320 | 950  | 27.5 | 895  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 47          |
| 315   | C    | 90       | 112 | 1030 | 480  | 320 | 950  | 27.5 | 895  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 48          |
| 315   | C    | 90       | 132 | 1140 | 480  | 320 | 1030 | 27.5 | 975  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 50          |
| 355   | C    | 90       | 90  | 1040 | 548  | 388 | 950  | 27.5 | 895  | 694  | 311 | 532 | 40 | 70  | 578  | 452 | 452 | 60          |
| 355   | C    | 90       | 100 | 1080 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 311 | 532 | 40 | 70  | 578  | 452 | 452 | 63          |
| 355   | C    | 90       | 112 | 1100 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 311 | 532 | 40 | 70  | 578  | 452 | 452 | 64          |
| 355   | C    | 90       | 132 | 1210 | 548  | 388 | 1130 | 27.5 | 1075 | 694  | 311 | 532 | 40 | 70  | 578  | 452 | 452 | 67          |
| 400   | C    | 90       | 90  | 1100 | 612  | 452 | 1000 | 27.5 | 945  | 776  | 344 | 586 | 40 | 70  | 650  | 506 | 506 | 67          |
| 400   | C    | 90       | 100 | 1140 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 344 | 586 | 40 | 70  | 650  | 506 | 506 | 69          |
| 400   | C    | 90       | 112 | 1160 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 344 | 586 | 40 | 70  | 650  | 506 | 506 | 70          |
| 400   | C    | 90       | 132 | 1270 | 612  | 452 | 1180 | 27.5 | 1125 | 776  | 344 | 586 | 40 | 70  | 650  | 506 | 506 | 73          |
| 400   | C    | 90       | 160 | 1410 | 612  | 452 | 1250 | 27.5 | 1195 | 776  | 344 | 586 | 40 | 70  | 650  | 506 | 506 | 76          |
| 400   | C    | 90       | 180 | 1470 | 612  | 452 | 1300 | 27.5 | 1245 | 776  | 344 | 586 | 40 | 70  | 650  | 506 | 506 | 77          |
| 400   | C    | 90       | 200 | 1520 | 612  | 452 | 1400 | 27.5 | 1345 | 776  | 344 | 586 | 40 | 70  | 650  | 506 | 506 | 79          |
| 450   | C    | 90       | 100 | 1220 | 681  | 521 | 1150 | 27.5 | 1095 | 867  | 381 | 648 | 40 | 83  | 726  | 568 | 568 | 86          |
| 450   | C    | 90       | 112 | 1240 | 681  | 521 | 1150 | 27.5 | 1095 | 867  | 381 | 648 | 40 | 83  | 726  | 568 | 568 | 89          |
| 450   | C    | 90       | 132 | 1350 | 681  | 521 | 1280 | 27.5 | 1225 | 867  | 381 | 648 | 40 | 83  | 726  | 568 | 568 | 93          |
| 450   | C    | 90       | 160 | 1490 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 381 | 648 | 40 | 83  | 726  | 568 | 568 | 96          |
| 450   | C    | 90       | 180 | 1560 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 381 | 648 | 40 | 83  | 726  | 568 | 568 | 97          |
| 450   | C    | 90       | 200 | 1610 | 681  | 521 | 1450 | 27.5 | 1395 | 867  | 381 | 648 | 40 | 83  | 726  | 568 | 568 | 99          |
| 500   | C    | 90       | 100 | 1330 | 750  | 550 | 1220 | 27.5 | 1165 | 968  | 430 | 718 | 50 | 103 | 800  | 638 | 638 | 112         |
| 500   | C    | 90       | 112 | 1350 | 750  | 550 | 1220 | 27.5 | 1165 | 968  | 430 | 718 | 50 | 103 | 800  | 638 | 638 | 115         |
| 500   | C    | 90       | 132 | 1460 | 750  | 550 | 1330 | 27.5 | 1275 | 968  | 430 | 718 | 50 | 103 | 800  | 638 | 638 | 118         |
| 500   | C    | 90       | 160 | 1600 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 430 | 718 | 50 | 103 | 800  | 638 | 638 | 123         |
| 500   | C    | 90       | 180 | 1670 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 430 | 718 | 50 | 103 | 800  | 638 | 638 | 124         |
| 500   | C    | 90       | 200 | 1720 | 750  | 550 | 1550 | 27.5 | 1495 | 968  | 430 | 718 | 50 | 103 | 800  | 638 | 638 | 126         |
| 500   | C    | 90       | 225 | 1800 | 750  | 550 | 1600 | 27.5 | 1545 | 968  | 430 | 718 | 50 | 103 | 800  | 638 | 638 | 128         |
| 560   | C    | 90       | 100 | 1410 | 844  | 644 | 1300 | 27.5 | 1245 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 151         |
| 560   | C    | 90       | 112 | 1430 | 844  | 644 | 1300 | 27.5 | 1245 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 154         |
| 560   | C    | 90       | 132 | 1540 | 844  | 644 | 1410 | 27.5 | 1355 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 157         |
| 560   | C    | 90       | 160 | 1680 | 844  | 644 | 1550 | 27.5 | 1495 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 162         |
| 560   | C    | 90       | 180 | 1750 | 844  | 644 | 1550 | 27.5 | 1495 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 164         |
| 560   | C    | 90       | 200 | 1800 | 844  | 644 | 1650 | 27.5 | 1595 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 167         |
| 560   | C    | 90       | 225 | 1880 | 844  | 644 | 1700 | 27.5 | 1645 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 170         |
| 560   | C    | 90       | 250 | 1960 | 844  | 644 | 1780 | 27.5 | 1725 | 1080 | 477 | 814 | 50 | 93  | 892  | 714 | 714 | 174         |
| 630   | C    | 90       | 112 | 1520 | 945  | 745 | 1400 | 27.5 | 1345 | 1207 | 528 | 900 | 50 | 96  | 998  | 800 | 800 | 188         |
| 630   | C    | 90       | 132 | 1630 | 945  | 745 | 1510 | 27.5 | 1455 | 1207 | 528 | 900 | 50 | 96  | 998  | 800 | 800 | 192         |
| 630   | C    | 90       | 160 | 1770 | 945  | 745 | 1650 | 27.5 | 1595 | 1207 | 528 | 900 | 50 | 96  | 998  | 800 | 800 | 198         |
| 630   | C    | 90       | 180 | 1840 | 945  | 745 | 1650 | 27.5 | 1595 | 1207 | 528 | 900 | 50 | 96  | 998  | 800 | 800 | 201         |
| 630   | C    | 90       | 200 | 1890 | 945  | 745 | 1750 | 27.5 | 1695 | 1207 | 528 | 900 | 50 | 96  | 998  | 800 | 800 | 204         |
| 630   | C    | 90       | 225 | 1970 | 945  | 745 | 1800 | 27.5 | 1745 | 1207 | 528 | 900 | 50 | 96  | 998  | 800 | 800 | 207         |
| 630   | C    | 90       | 250 | 2050 | 945  | 745 | 1930 | 27.5 | 1875 | 1207 | 528 | 900 | 50 | 96  | 998  | 800 | 800 | 211         |
| 710   | C    | 90       | 132 | 1775 | 1057 | 777 | 1660 | 37.5 | 1585 | 1382 | 617 | 998 | 80 | 118 | 1120 | 898 | 898 | 303         |
| 710   | C    | 90       | 160 | 1915 | 1057 | 777 | 1800 | 37.5 | 1725 | 1382 | 617 | 998 | 80 | 118 | 1120 | 898 | 898 | 308         |
| 710   | C    | 90       | 180 | 1980 | 1057 | 777 | 1800 | 37.5 | 1725 | 1382 | 617 | 998 | 80 | 118 | 1120 | 898 | 898 | 314         |
| 710   | C    | 90       | 200 | 2030 | 1057 | 777 | 1900 | 37.5 | 1825 | 1382 | 617 | 998 | 80 | 118 | 1120 | 898 | 898 | 318         |
| 710   | C    | 90       | 225 | 2110 | 1057 | 777 | 1900 | 37.5 | 1825 | 1382 | 617 | 998 | 80 | 118 | 1120 | 898 | 898 | 322         |
| 710   | C    | 90       | 250 | 2190 | 1057 | 777 | 2030 | 37.5 | 1955 | 1382 | 617 | 998 | 80 | 118 | 1120 | 898 | 898 | 329         |
| 710   | C    | 90       | 280 | 2270 | 1057 | 777 | 2100 | 37.5 | 2025 | 1382 | 617 | 998 | 80 | 118 | 1120 | 898 | 898 | 333         |
| 315   | T    | 90       | 100 | 1030 | 480  | 320 | 970  | 27.5 | 915  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 57          |
| 315   | T    | 90       | 112 | 1050 | 480  | 320 | 970  | 27.5 | 915  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 58          |
| 315   | T    | 90       | 132 | 1160 | 480  | 320 | 1050 | 27.5 | 995  | 618  | 278 | 464 | 40 | 68  | 518  | 404 | 404 | 60          |
| 355   | T    | 90       | 100 | 1080 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 311 | 532 | 40 | 93  | 578  | 452 | 452 | 84          |
| 355   | T    | 90       | 112 | 1100 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 311 | 532 | 40 | 93  | 578  | 452 | 452 | 85          |
| 355   | T    | 90       | 132 | 1210 | 548  | 388 | 1130 | 27.5 | 1075 | 694  | 311 | 532 | 40 | 93  | 578  | 452 | 452 | 89          |
| 400   | T    | 90       | 100 | 1140 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 344 | 586 | 40 | 93  | 650  | 506 | 506 | 91          |
| 400   | T    | 90       | 112 | 1160 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 344 | 586 | 40 | 93  | 650  | 506 | 506 | 92          |
| 400   | T    | 90       | 132 | 1270 | 612  | 452 | 1180 | 27.5 | 1125 | 776  | 344 | 586 | 40 | 93  | 650  | 506 | 506 | 95          |
| 400   | T    | 90       | 160 | 1410 | 612  | 452 | 1250 | 27.5 | 1195 | 776  | 344 | 586 | 40 | 93  | 650  | 506 | 506 | 99          |
| 400   | T    | 90       | 180 | 1470 | 612  | 452 | 1300 | 27.5 | 1245 | 776  | 344 | 586 | 40 | 93  | 650  | 506 | 506 | 100         |
| 400   | T    | 90       | 200 | 1520 | 612  | 452 | 1400 | 27.5 | 1345 | 776  | 344 | 586 | 40 | 93  | 650  | 506 | 506 | 102         |
| 450   | T    | 90       | 112 | 1310 | 681  | 521 | 1150 | 27.5 | 1095 | 867  | 399 | 648 | 40 | 115 | 726  | 568 | 568 | 137         |
| 450   | T    | 90       | 132 | 1420 | 681  | 521 | 1280 | 27.5 | 1225 | 867  | 399 | 648 | 40 | 115 | 726  | 568 | 568 | 140         |
| 450   | T    | 90       | 160 | 1560 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 399 | 648 | 40 | 115 | 726  | 568 | 568 | 144         |
| 450   | T    | 90       | 180 | 1620 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 399 | 648 | 40 | 115 | 726  | 568 | 568 | 145         |
| 450   | T    | 90       | 200 | 1670 | 681  | 521 | 1450 | 27.5 | 1395 | 867  | 399 | 648 | 40 | 115 | 726  | 568 | 568 | 147         |
| 500   | T    | 90       | 132 | 1500 | 750  | 550 | 1330 | 27.5 | 1275 | 968  | 430 | 718 | 50 | 119 | 800  | 638 | 638 | 153         |
| 500   | T    | 90       | 160 | 1640 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 430 | 718 | 50 | 119 | 800  | 638 | 638 | 158         |
| 500   | T    | 90       | 180 | 1700 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 430 | 718 | 50 | 119 | 800  | 638 | 638 | 159         |
| 500   | T    | 90       | 200 | 1750 | 750  | 550 | 1550 | 27.5 | 1495 | 968  | 430 | 718 | 50 | 119 | 800  | 638 | 638 | 161         |
| 500   | T    | 90       | 225 | 1830 | 750  | 550 | 1600 | 27.5 | 1545 | 968  | 430 | 718 | 50 | 119 | 800  | 638 | 638 | 163         |

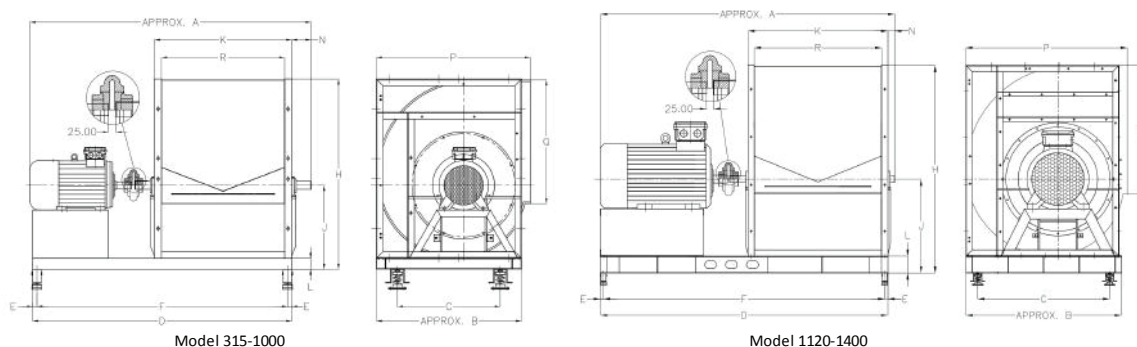


# Overall Fan Assembly Dimensions with Coupling Rotation 90°



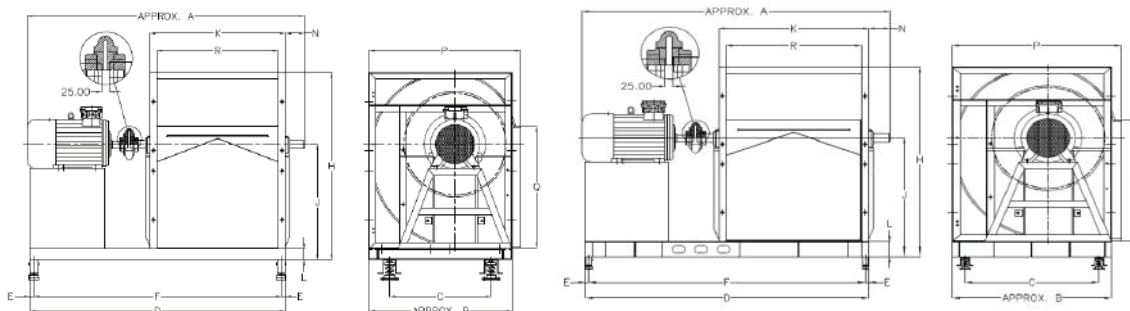
| Model | Type | Rotation | FS  | A    | B    | C    | D    | E    | F    | H    | J    | K    | L   | N   | P    | R    | Q    | Weight(Kg.) |
|-------|------|----------|-----|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-------------|
| 560   | T    | 90       | 132 | 1500 | 844  | 644  | 1370 | 27.5 | 1315 | 1080 | 477  | 814  | 50  | 133 | 892  | 714  | 714  | 205         |
| 560   | T    | 90       | 160 | 1760 | 844  | 644  | 1550 | 27.5 | 1495 | 1080 | 477  | 814  | 50  | 133 | 892  | 714  | 714  | 210         |
| 560   | T    | 90       | 180 | 1830 | 844  | 644  | 1550 | 27.5 | 1495 | 1080 | 477  | 814  | 50  | 133 | 892  | 714  | 714  | 212         |
| 560   | T    | 90       | 200 | 1880 | 844  | 644  | 1650 | 27.5 | 1595 | 1080 | 477  | 814  | 50  | 133 | 892  | 714  | 714  | 215         |
| 560   | T    | 90       | 225 | 1960 | 844  | 644  | 1700 | 27.5 | 1645 | 1080 | 477  | 814  | 50  | 133 | 892  | 714  | 714  | 218         |
| 560   | T    | 90       | 250 | 2040 | 844  | 644  | 1780 | 27.5 | 1725 | 1080 | 477  | 814  | 50  | 133 | 892  | 714  | 714  | 222         |
| 630   | T    | 90       | 160 | 1850 | 945  | 745  | 1650 | 27.5 | 1595 | 1207 | 528  | 900  | 50  | 133 | 998  | 800  | 800  | 258         |
| 630   | T    | 90       | 180 | 1910 | 945  | 745  | 1650 | 27.5 | 1595 | 1207 | 528  | 900  | 50  | 133 | 998  | 800  | 800  | 261         |
| 630   | T    | 90       | 200 | 1960 | 945  | 745  | 1750 | 27.5 | 1695 | 1207 | 528  | 900  | 50  | 133 | 998  | 800  | 800  | 264         |
| 630   | T    | 90       | 225 | 2040 | 945  | 745  | 1800 | 27.5 | 1745 | 1207 | 528  | 900  | 50  | 133 | 998  | 800  | 800  | 267         |
| 630   | T    | 90       | 250 | 2130 | 945  | 745  | 1930 | 27.5 | 1875 | 1207 | 528  | 900  | 50  | 133 | 998  | 800  | 800  | 271         |
| 710   | T    | 90       | 160 | 1960 | 1057 | 777  | 1750 | 37.5 | 1675 | 1382 | 617  | 998  | 80  | 141 | 1120 | 898  | 898  | 370         |
| 710   | T    | 90       | 180 | 2030 | 1057 | 777  | 1800 | 37.5 | 1725 | 1382 | 617  | 998  | 80  | 141 | 1120 | 898  | 898  | 374         |
| 710   | T    | 90       | 200 | 2080 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 617  | 998  | 80  | 141 | 1120 | 898  | 898  | 378         |
| 710   | T    | 90       | 225 | 2160 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 617  | 998  | 80  | 141 | 1120 | 898  | 898  | 382         |
| 710   | T    | 90       | 250 | 2240 | 1057 | 777  | 2030 | 37.5 | 1955 | 1382 | 617  | 998  | 80  | 141 | 1120 | 898  | 898  | 389         |
| 710   | T    | 90       | 280 | 2320 | 1057 | 777  | 2100 | 37.5 | 2025 | 1382 | 617  | 998  | 80  | 141 | 1120 | 898  | 898  | 393         |
| 800   | T    | 90       | 132 | 2020 | 1180 | 900  | 1800 | 37.5 | 1725 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 432         |
| 800   | T    | 90       | 160 | 2060 | 1180 | 900  | 1850 | 37.5 | 1775 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 434         |
| 800   | T    | 90       | 180 | 2130 | 1180 | 900  | 1900 | 37.5 | 1825 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 439         |
| 800   | T    | 90       | 200 | 2180 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 444         |
| 800   | T    | 90       | 225 | 2260 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 448         |
| 800   | T    | 90       | 250 | 2350 | 1180 | 900  | 2130 | 37.5 | 2055 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 458         |
| 800   | T    | 90       | 280 | 2420 | 1180 | 900  | 2250 | 37.5 | 2175 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 464         |
| 800   | T    | 90       | 315 | 2700 | 1180 | 900  | 2400 | 37.5 | 2325 | 1548 | 686  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 485         |
| 900   | T    | 90       | 160 | 2250 | 1319 | 1039 | 2050 | 37.5 | 1975 | 1728 | 757  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 421         |
| 900   | T    | 90       | 180 | 2310 | 1319 | 1039 | 2100 | 37.5 | 2025 | 1728 | 757  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 426         |
| 900   | T    | 90       | 200 | 2360 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 757  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 430         |
| 900   | T    | 90       | 225 | 2440 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 757  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 435         |
| 900   | T    | 90       | 250 | 2530 | 1319 | 1039 | 2280 | 37.5 | 2205 | 1728 | 757  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 444         |
| 900   | T    | 90       | 280 | 2600 | 1319 | 1039 | 2350 | 37.5 | 2275 | 1728 | 757  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 450         |
| 900   | T    | 90       | 315 | 2880 | 1319 | 1039 | 2550 | 37.5 | 2475 | 1728 | 757  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 474         |
| 1000  | T    | 90       | 160 | 2410 | 1450 | 1170 | 2200 | 37.5 | 2125 | 1890 | 824  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 656         |
| 1000  | T    | 90       | 180 | 2470 | 1450 | 1170 | 2250 | 37.5 | 2175 | 1890 | 824  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 660         |
| 1000  | T    | 90       | 200 | 2520 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 824  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 667         |
| 1000  | T    | 90       | 225 | 2600 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 824  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 673         |
| 1000  | T    | 90       | 250 | 2680 | 1450 | 1170 | 2430 | 37.5 | 2355 | 1890 | 824  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 686         |
| 1000  | T    | 90       | 280 | 2760 | 1450 | 1170 | 2550 | 37.5 | 2475 | 1890 | 824  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 694         |
| 1000  | T    | 90       | 315 | 3040 | 1450 | 1170 | 2700 | 37.5 | 2625 | 1890 | 824  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 724         |
| 1120  | T    | 90       | 225 | 2680 | 1630 | 1370 | 2500 | 37.5 | 2425 | 2158 | 958  | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 875         |
| 1120  | T    | 90       | 250 | 2760 | 1630 | 1370 | 2580 | 37.5 | 2505 | 2158 | 958  | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 882         |
| 1120  | T    | 90       | 280 | 2840 | 1630 | 1370 | 2700 | 37.5 | 2625 | 2158 | 958  | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 888         |
| 1120  | T    | 90       | 315 | 3120 | 1630 | 1370 | 2850 | 37.5 | 2775 | 2158 | 958  | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 906         |
| 1250  | T    | 90       | 225 | 2860 | 1831 | 1531 | 2750 | 37.5 | 2675 | 2435 | 1082 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1204        |
| 1250  | T    | 90       | 250 | 2940 | 1831 | 1531 | 2830 | 37.5 | 2755 | 2435 | 1082 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1213        |
| 1250  | T    | 90       | 280 | 3010 | 1831 | 1531 | 2900 | 37.5 | 2825 | 2435 | 1082 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1220        |
| 1250  | T    | 90       | 315 | 3290 | 1831 | 1531 | 3100 | 37.5 | 3025 | 2435 | 1082 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1242        |
| 1250  | T    | 90       | 355 | 3490 | 1831 | 1531 | 3300 | 37.5 | 3225 | 2435 | 1082 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1259        |
| 1400  | T    | 90       | 280 | 3300 | 2057 | 1757 | 3150 | 37.5 | 3075 | 2718 | 1203 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1644        |
| 1400  | T    | 90       | 315 | 3580 | 2057 | 1757 | 3350 | 37.5 | 3275 | 2718 | 1203 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1667        |
| 1400  | T    | 90       | 355 | 3780 | 2057 | 1757 | 3550 | 37.5 | 3475 | 2718 | 1203 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1686        |
| 315   | X    | 90       | 132 | 1210 | 480  | 320  | 1100 | 27.5 | 1045 | 618  | 278  | 464  | 40  | 134 | 518  | 404  | 404  | 70          |
| 315   | X    | 90       | 160 | 1360 | 480  | 320  | 1170 | 27.5 | 1115 | 618  | 278  | 464  | 40  | 134 | 518  | 404  | 404  | 75          |
| 355   | X    | 90       | 112 | 1150 | 548  | 388  | 1050 | 27.5 | 995  | 694  | 311  | 532  | 40  | 145 | 578  | 452  | 452  | 90          |
| 355   | X    | 90       | 132 | 1260 | 548  | 388  | 1180 | 27.5 | 1125 | 694  | 311  | 532  | 40  | 145 | 578  | 452  | 452  | 95          |
| 355   | X    | 90       | 160 | 1410 | 548  | 388  | 1230 | 27.5 | 1175 | 694  | 311  | 532  | 40  | 145 | 578  | 452  | 452  | 101         |
| 400   | X    | 90       | 160 | 1460 | 612  | 452  | 1300 | 27.5 | 1245 | 776  | 344  | 586  | 40  | 145 | 650  | 506  | 506  | 100         |
| 400   | X    | 90       | 180 | 1520 | 612  | 452  | 1350 | 27.5 | 1295 | 776  | 344  | 586  | 40  | 145 | 650  | 506  | 506  | 103         |
| 400   | X    | 90       | 200 | 1570 | 612  | 452  | 1450 | 27.5 | 1395 | 776  | 344  | 586  | 40  | 145 | 650  | 506  | 506  | 108         |
| 450   | X    | 90       | 180 | 1620 | 681  | 521  | 1350 | 27.5 | 1295 | 867  | 381  | 648  | 40  | 149 | 726  | 568  | 568  | 113         |
| 450   | X    | 90       | 200 | 1670 | 681  | 521  | 1450 | 27.5 | 1395 | 867  | 381  | 648  | 40  | 149 | 726  | 568  | 568  | 116         |
| 450   | X    | 90       | 225 | 1690 | 681  | 521  | 1500 | 27.5 | 1445 | 867  | 381  | 648  | 40  | 149 | 726  | 568  | 568  | 120         |
| 500   | X    | 90       | 132 | 1610 | 750  | 550  | 1330 | 37.5 | 1255 | 968  | 430  | 718  | 50  | 174 | 800  | 638  | 638  | 168         |
| 500   | X    | 90       | 160 | 1750 | 750  | 550  | 1450 | 37.5 | 1375 | 968  | 430  | 718  | 50  | 174 | 800  | 638  | 638  | 173         |
| 500   | X    | 90       | 180 | 1810 | 750  | 550  | 1450 | 37.5 | 1375 | 968  | 430  | 718  | 50  | 174 | 800  | 638  | 638  | 174         |
| 500   | X    | 90       | 200 | 1860 | 750  | 550  | 1550 | 37.5 | 1475 | 968  | 430  | 718  | 50  | 174 | 800  | 638  | 638  | 176         |
| 500   | X    | 90       | 225 | 1940 | 750  | 550  | 1600 | 37.5 | 1525 | 968  | 430  | 718  | 50  | 174 | 800  | 638  | 638  | 178         |
| 560   | X    | 90       | 160 | 1820 | 844  | 644  | 1550 | 37.5 | 1475 | 1080 | 477  | 814  | 50  | 162 | 892  | 714  | 714  | 220         |
| 560   | X    | 90       | 180 | 1880 | 844  | 644  | 1550 | 37.5 | 1475 | 1080 | 477  | 814  | 50  | 162 | 892  | 714  | 714  | 222         |
| 560   | X    | 90       | 200 | 1930 | 844  | 644  | 1650 | 37.5 | 1575 | 1080 | 477  | 814  | 50  | 162 | 892  | 714  | 714  | 225         |
| 560   | X    | 90       | 225 | 2010 | 844  | 644  | 1700 | 37.5 | 1625 | 1080 | 477  | 814  | 50  | 162 | 892  | 714  | 714  | 228         |
| 560   | X    | 90       | 250 | 2100 | 844  | 644  | 1780 | 37.5 | 1705 | 1080 | 477  | 814  | 50  | 162 | 892  | 714  | 714  | 232         |
| 630   | X    | 90       | 160 | 1970 | 945  | 745  | 1650 | 37.5 | 1575 | 1207 | 528  | 900  | 50  | 193 | 998  | 800  | 800  | 273         |
| 630   | X    | 90       | 180 | 2030 | 945  | 745  | 1650 | 37.5 | 1575 | 1207 | 528  | 900  | 50  | 193 | 998  | 800  | 800  | 276         |
| 630   | X    | 90       | 200 | 2080 | 945  | 745  | 1750 | 37.5 | 1675 | 1207 | 528  | 900  | 50  | 193 | 998  | 800  | 800  | 279         |
| 630   |      |          |     |      |      |      |      |      |      |      |      |      |     |     |      |      |      |             |

# Overall Fan Assembly Dimensions with Coupling Rotation 90°



| Model | Type | Rotation | FS  | A    | B    | C    | D    | E    | F    | H    | J    | K    | L   | N   | P    | R    | Q    | Weight(Kg.) |
|-------|------|----------|-----|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-------------|
| 710   | X    | 90       | 180 | 2140 | 1057 | 777  | 1800 | 37.5 | 1725 | 1382 | 617  | 998  | 80  | 196 | 1120 | 898  | 898  | 394         |
| 710   | X    | 90       | 200 | 2190 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 617  | 998  | 80  | 196 | 1120 | 898  | 898  | 398         |
| 710   | X    | 90       | 225 | 2270 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 617  | 998  | 80  | 196 | 1120 | 898  | 898  | 402         |
| 710   | X    | 90       | 250 | 2350 | 1057 | 777  | 2030 | 37.5 | 1955 | 1382 | 617  | 998  | 80  | 196 | 1120 | 898  | 898  | 409         |
| 710   | X    | 90       | 280 | 2430 | 1057 | 777  | 2100 | 37.5 | 2025 | 1382 | 617  | 998  | 80  | 196 | 1120 | 898  | 898  | 413         |
| 800   | X    | 90       | 180 | 2240 | 1180 | 900  | 1900 | 37.5 | 1825 | 1548 | 686  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 462         |
| 800   | X    | 90       | 200 | 2290 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 686  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 467         |
| 800   | X    | 90       | 225 | 2370 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 686  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 471         |
| 800   | X    | 90       | 250 | 2460 | 1180 | 900  | 2130 | 37.5 | 2055 | 1548 | 686  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 481         |
| 800   | X    | 90       | 280 | 2530 | 1180 | 900  | 2250 | 37.5 | 2175 | 1548 | 686  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 487         |
| 800   | X    | 90       | 315 | 2810 | 1180 | 900  | 2400 | 37.5 | 2325 | 1548 | 686  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 508         |
| 900   | X    | 90       | 200 | 2460 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 460         |
| 900   | X    | 90       | 225 | 2540 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 465         |
| 900   | X    | 90       | 250 | 2620 | 1319 | 1039 | 2280 | 37.5 | 2205 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 474         |
| 900   | X    | 90       | 280 | 2700 | 1319 | 1039 | 2350 | 37.5 | 2275 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 480         |
| 900   | X    | 90       | 315 | 2980 | 1319 | 1039 | 2550 | 37.5 | 2475 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 504         |
| 1000  | X    | 90       | 200 | 2640 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 824  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 722         |
| 1000  | X    | 90       | 225 | 2720 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 824  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 728         |
| 1000  | X    | 90       | 250 | 2810 | 1450 | 1170 | 2430 | 37.5 | 2355 | 1890 | 824  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 741         |
| 1000  | X    | 90       | 280 | 2880 | 1450 | 1170 | 2550 | 37.5 | 2475 | 1890 | 824  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 749         |
| 1000  | X    | 90       | 315 | 3160 | 1450 | 1170 | 2700 | 37.5 | 2625 | 1890 | 824  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 779         |
| 1120  | X    | 90       | 225 | 2790 | 1630 | 1370 | 2500 | 37.5 | 2425 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 940         |
| 1120  | X    | 90       | 250 | 2880 | 1630 | 1370 | 2580 | 37.5 | 2505 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 947         |
| 1120  | X    | 90       | 280 | 2950 | 1630 | 1370 | 2700 | 37.5 | 2625 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 953         |
| 1120  | X    | 90       | 315 | 3230 | 1630 | 1370 | 2850 | 37.5 | 2775 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 971         |
| 1250  | X    | 90       | 250 | 3000 | 1831 | 1531 | 2830 | 37.5 | 2755 | 2435 | 1082 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1313        |
| 1250  | X    | 90       | 280 | 3070 | 1831 | 1531 | 2900 | 37.5 | 2825 | 2435 | 1082 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1320        |
| 1250  | X    | 90       | 315 | 3350 | 1831 | 1531 | 3100 | 37.5 | 3025 | 2435 | 1082 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1342        |
| 1250  | X    | 90       | 355 | 3550 | 1831 | 1531 | 3300 | 37.5 | 3225 | 2435 | 1082 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1359        |
| 1400  | X    | 90       | 280 | 3330 | 2057 | 1757 | 3150 | 37.5 | 3075 | 2718 | 1203 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1714        |
| 1400  | X    | 90       | 315 | 3610 | 2057 | 1757 | 3350 | 37.5 | 3275 | 2718 | 1203 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1737        |
| 1400  | X    | 90       | 355 | 3810 | 2057 | 1757 | 3550 | 37.5 | 3475 | 2718 | 1203 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1756        |
| 800   | Z    | 90       | 180 | 2240 | 1180 | 900  | 1900 | 37.5 | 1825 | 1548 | 686  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 462         |
| 800   | Z    | 90       | 200 | 2290 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 686  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 467         |
| 800   | Z    | 90       | 225 | 2370 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 686  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 471         |
| 800   | Z    | 90       | 250 | 2460 | 1180 | 900  | 2130 | 37.5 | 2055 | 1548 | 686  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 481         |
| 800   | Z    | 90       | 280 | 2530 | 1180 | 900  | 2250 | 37.5 | 2175 | 1548 | 686  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 487         |
| 800   | Z    | 90       | 315 | 2810 | 1180 | 900  | 2400 | 37.5 | 2325 | 1548 | 686  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 508         |
| 900   | Z    | 90       | 200 | 2460 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 460         |
| 900   | Z    | 90       | 225 | 2540 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 465         |
| 900   | Z    | 90       | 250 | 2620 | 1319 | 1039 | 2280 | 37.5 | 2205 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 474         |
| 900   | Z    | 90       | 280 | 2700 | 1319 | 1039 | 2350 | 37.5 | 2275 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 480         |
| 900   | Z    | 90       | 315 | 2980 | 1319 | 1039 | 2550 | 37.5 | 2475 | 1728 | 757  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 504         |
| 1000  | Z    | 90       | 200 | 2640 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 824  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 722         |
| 1000  | Z    | 90       | 225 | 2720 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 824  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 728         |
| 1000  | Z    | 90       | 250 | 2810 | 1450 | 1170 | 2430 | 37.5 | 2355 | 1890 | 824  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 741         |
| 1000  | Z    | 90       | 280 | 2880 | 1450 | 1170 | 2550 | 37.5 | 2475 | 1890 | 824  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 749         |
| 1000  | Z    | 90       | 315 | 3160 | 1450 | 1170 | 2700 | 37.5 | 2625 | 1890 | 824  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 779         |
| 1120  | Z    | 90       | 225 | 2790 | 1630 | 1370 | 2500 | 37.5 | 2425 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 940         |
| 1120  | Z    | 90       | 250 | 2880 | 1630 | 1370 | 2580 | 37.5 | 2505 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 947         |
| 1120  | Z    | 90       | 280 | 2950 | 1630 | 1370 | 2700 | 37.5 | 2625 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 953         |
| 1120  | Z    | 90       | 315 | 3230 | 1630 | 1370 | 2850 | 37.5 | 2775 | 2158 | 958  | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 971         |
| 1250  | Z    | 90       | 250 | 3000 | 1831 | 1531 | 2830 | 37.5 | 2755 | 2435 | 1082 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1313        |
| 1250  | Z    | 90       | 280 | 3070 | 1831 | 1531 | 2900 | 37.5 | 2825 | 2435 | 1082 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1320        |
| 1250  | Z    | 90       | 315 | 3350 | 1831 | 1531 | 3100 | 37.5 | 3025 | 2435 | 1082 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1342        |
| 1250  | Z    | 90       | 355 | 3550 | 1831 | 1531 | 3300 | 37.5 | 3225 | 2435 | 1082 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1359        |
| 1400  | Z    | 90       | 280 | 3380 | 2057 | 1757 | 3200 | 37.5 | 3125 | 2718 | 1203 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1714        |
| 1400  | Z    | 90       | 315 | 3660 | 2057 | 1757 | 3400 | 37.5 | 3325 | 2718 | 1203 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1737        |
| 1400  | Z    | 90       | 355 | 3860 | 2057 | 1757 | 3600 | 37.5 | 3525 | 2718 | 1203 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1756        |

# Overall Fan Assembly Dimensions with Coupling Rotation 270°

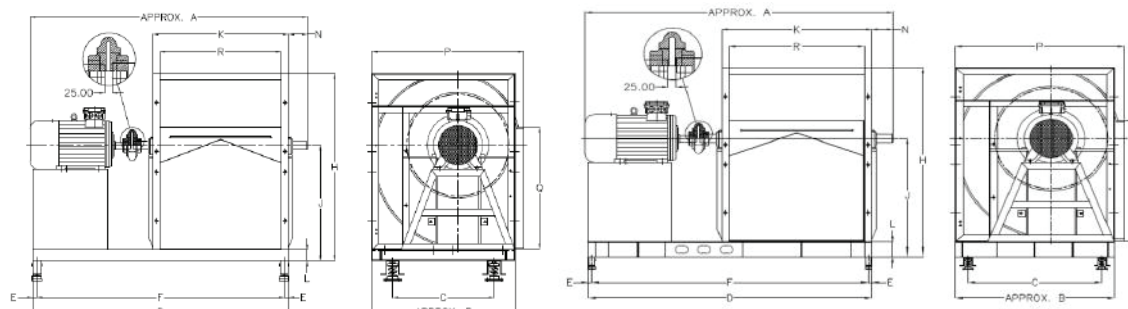


Model 315-1000

Model 1120-1400

| Model | Type | Rotation | FS  | A    | B    | C   | D    | E    | F    | H    | J   | K   | L  | N   | P    | R   | Q   | Weight(Kg.) |
|-------|------|----------|-----|------|------|-----|------|------|------|------|-----|-----|----|-----|------|-----|-----|-------------|
| 315   | C    | 270      | 80  | 920  | 480  | 320 | 850  | 27.5 | 795  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 42          |
| 315   | C    | 270      | 90  | 970  | 480  | 320 | 900  | 27.5 | 845  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 44          |
| 315   | C    | 270      | 100 | 1010 | 480  | 320 | 950  | 27.5 | 895  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 47          |
| 315   | C    | 270      | 112 | 1030 | 480  | 320 | 950  | 27.5 | 895  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 48          |
| 315   | C    | 270      | 132 | 1140 | 480  | 320 | 1030 | 27.5 | 975  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 50          |
| 355   | C    | 270      | 90  | 1040 | 548  | 388 | 950  | 27.5 | 895  | 694  | 423 | 532 | 40 | 70  | 578  | 452 | 452 | 60          |
| 355   | C    | 270      | 100 | 1080 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 423 | 532 | 40 | 70  | 578  | 452 | 452 | 63          |
| 355   | C    | 270      | 112 | 1100 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 423 | 532 | 40 | 70  | 578  | 452 | 452 | 64          |
| 355   | C    | 270      | 132 | 1210 | 548  | 388 | 1130 | 27.5 | 1075 | 694  | 423 | 532 | 40 | 70  | 578  | 452 | 452 | 67          |
| 400   | C    | 270      | 90  | 1100 | 612  | 452 | 1000 | 27.5 | 945  | 776  | 472 | 586 | 40 | 70  | 650  | 506 | 506 | 67          |
| 400   | C    | 270      | 100 | 1140 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 472 | 586 | 40 | 70  | 650  | 506 | 506 | 69          |
| 400   | C    | 270      | 112 | 1160 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 472 | 586 | 40 | 70  | 650  | 506 | 506 | 70          |
| 400   | C    | 270      | 132 | 1270 | 612  | 452 | 1180 | 27.5 | 1125 | 776  | 472 | 586 | 40 | 70  | 650  | 506 | 506 | 73          |
| 400   | C    | 270      | 160 | 1410 | 612  | 452 | 1250 | 27.5 | 1195 | 776  | 472 | 586 | 40 | 70  | 650  | 506 | 506 | 76          |
| 400   | C    | 270      | 180 | 1470 | 612  | 452 | 1300 | 27.5 | 1245 | 776  | 472 | 586 | 40 | 70  | 650  | 506 | 506 | 77          |
| 400   | C    | 270      | 200 | 1520 | 612  | 452 | 1400 | 27.5 | 1345 | 776  | 472 | 586 | 40 | 70  | 650  | 506 | 506 | 79          |
| 450   | C    | 270      | 100 | 1220 | 681  | 521 | 1150 | 27.5 | 1095 | 867  | 526 | 648 | 40 | 83  | 726  | 568 | 568 | 86          |
| 450   | C    | 270      | 112 | 1240 | 681  | 521 | 1150 | 27.5 | 1095 | 867  | 526 | 648 | 40 | 83  | 726  | 568 | 568 | 89          |
| 450   | C    | 270      | 132 | 1350 | 681  | 521 | 1280 | 27.5 | 1225 | 867  | 526 | 648 | 40 | 83  | 726  | 568 | 568 | 93          |
| 450   | C    | 270      | 160 | 1490 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 526 | 648 | 40 | 83  | 726  | 568 | 568 | 96          |
| 450   | C    | 270      | 180 | 1560 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 526 | 648 | 40 | 83  | 726  | 568 | 568 | 97          |
| 450   | C    | 270      | 200 | 1610 | 681  | 521 | 1450 | 27.5 | 1395 | 867  | 526 | 648 | 40 | 83  | 726  | 568 | 568 | 99          |
| 500   | C    | 270      | 100 | 1330 | 750  | 550 | 1220 | 27.5 | 1165 | 968  | 588 | 718 | 50 | 103 | 800  | 638 | 638 | 112         |
| 500   | C    | 270      | 112 | 1350 | 750  | 550 | 1220 | 27.5 | 1165 | 968  | 588 | 718 | 50 | 103 | 800  | 638 | 638 | 115         |
| 500   | C    | 270      | 132 | 1460 | 750  | 550 | 1330 | 27.5 | 1275 | 968  | 588 | 718 | 50 | 103 | 800  | 638 | 638 | 118         |
| 500   | C    | 270      | 160 | 1600 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 588 | 718 | 50 | 103 | 800  | 638 | 638 | 123         |
| 500   | C    | 270      | 180 | 1670 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 588 | 718 | 50 | 103 | 800  | 638 | 638 | 124         |
| 500   | C    | 270      | 200 | 1720 | 750  | 550 | 1550 | 27.5 | 1495 | 968  | 588 | 718 | 50 | 103 | 800  | 638 | 638 | 126         |
| 500   | C    | 270      | 225 | 1800 | 750  | 550 | 1600 | 27.5 | 1545 | 968  | 588 | 718 | 50 | 103 | 800  | 638 | 638 | 128         |
| 560   | C    | 270      | 100 | 1410 | 844  | 644 | 1300 | 27.5 | 1245 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 151         |
| 560   | C    | 270      | 112 | 1430 | 844  | 644 | 1300 | 27.5 | 1245 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 154         |
| 560   | C    | 270      | 132 | 1540 | 844  | 644 | 1410 | 27.5 | 1355 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 157         |
| 560   | C    | 270      | 160 | 1680 | 844  | 644 | 1550 | 27.5 | 1495 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 162         |
| 560   | C    | 270      | 180 | 1750 | 844  | 644 | 1550 | 27.5 | 1495 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 164         |
| 560   | C    | 270      | 200 | 1800 | 844  | 644 | 1650 | 27.5 | 1595 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 167         |
| 560   | C    | 270      | 225 | 1880 | 844  | 644 | 1700 | 27.5 | 1645 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 170         |
| 560   | C    | 270      | 250 | 1960 | 844  | 644 | 1780 | 27.5 | 1725 | 1080 | 653 | 814 | 50 | 93  | 892  | 714 | 714 | 174         |
| 630   | C    | 270      | 112 | 1520 | 945  | 745 | 1400 | 27.5 | 1345 | 1207 | 729 | 900 | 50 | 96  | 998  | 800 | 800 | 188         |
| 630   | C    | 270      | 132 | 1630 | 945  | 745 | 1510 | 27.5 | 1455 | 1207 | 729 | 900 | 50 | 96  | 998  | 800 | 800 | 192         |
| 630   | C    | 270      | 160 | 1770 | 945  | 745 | 1650 | 27.5 | 1595 | 1207 | 729 | 900 | 50 | 96  | 998  | 800 | 800 | 198         |
| 630   | C    | 270      | 180 | 1840 | 945  | 745 | 1650 | 27.5 | 1595 | 1207 | 729 | 900 | 50 | 96  | 998  | 800 | 800 | 201         |
| 630   | C    | 270      | 200 | 1890 | 945  | 745 | 1750 | 27.5 | 1695 | 1207 | 729 | 900 | 50 | 96  | 998  | 800 | 800 | 204         |
| 630   | C    | 270      | 225 | 1970 | 945  | 745 | 1800 | 27.5 | 1745 | 1207 | 729 | 900 | 50 | 96  | 998  | 800 | 800 | 207         |
| 630   | C    | 270      | 250 | 2050 | 945  | 745 | 1930 | 27.5 | 1875 | 1207 | 729 | 900 | 50 | 96  | 998  | 800 | 800 | 211         |
| 710   | C    | 270      | 132 | 1775 | 1057 | 777 | 1660 | 37.5 | 1585 | 1382 | 729 | 998 | 80 | 118 | 1120 | 898 | 898 | 303         |
| 710   | C    | 270      | 160 | 1915 | 1057 | 777 | 1800 | 37.5 | 1725 | 1382 | 729 | 998 | 80 | 118 | 1120 | 898 | 898 | 308         |
| 710   | C    | 270      | 180 | 1980 | 1057 | 777 | 1800 | 37.5 | 1725 | 1382 | 729 | 998 | 80 | 118 | 1120 | 898 | 898 | 314         |
| 710   | C    | 270      | 200 | 2030 | 1057 | 777 | 1900 | 37.5 | 1825 | 1382 | 729 | 998 | 80 | 118 | 1120 | 898 | 898 | 318         |
| 710   | C    | 270      | 225 | 2110 | 1057 | 777 | 1900 | 37.5 | 1825 | 1382 | 729 | 998 | 80 | 118 | 1120 | 898 | 898 | 322         |
| 710   | C    | 270      | 250 | 2190 | 1057 | 777 | 2030 | 37.5 | 1955 | 1382 | 729 | 998 | 80 | 118 | 1120 | 898 | 898 | 329         |
| 710   | C    | 270      | 280 | 2270 | 1057 | 777 | 2100 | 37.5 | 2025 | 1382 | 729 | 998 | 80 | 118 | 1120 | 898 | 898 | 333         |
| 315   | T    | 270      | 100 | 1030 | 480  | 320 | 970  | 27.5 | 915  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 57          |
| 315   | T    | 270      | 112 | 1050 | 480  | 320 | 970  | 27.5 | 915  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 58          |
| 315   | T    | 270      | 132 | 1160 | 480  | 320 | 1050 | 27.5 | 995  | 618  | 380 | 464 | 40 | 68  | 518  | 404 | 404 | 60          |
| 355   | T    | 270      | 100 | 1080 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 423 | 532 | 40 | 93  | 578  | 452 | 452 | 84          |
| 355   | T    | 270      | 112 | 1100 | 548  | 388 | 1000 | 27.5 | 945  | 694  | 423 | 532 | 40 | 93  | 578  | 452 | 452 | 85          |
| 355   | T    | 270      | 132 | 1210 | 548  | 388 | 1130 | 27.5 | 1075 | 694  | 423 | 532 | 40 | 93  | 578  | 452 | 452 | 89          |
| 400   | T    | 270      | 100 | 1140 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 472 | 586 | 40 | 93  | 650  | 506 | 506 | 91          |
| 400   | T    | 270      | 112 | 1160 | 612  | 452 | 1050 | 27.5 | 995  | 776  | 472 | 586 | 40 | 93  | 650  | 506 | 506 | 92          |
| 400   | T    | 270      | 132 | 1270 | 612  | 452 | 1180 | 27.5 | 1125 | 776  | 472 | 586 | 40 | 93  | 650  | 506 | 506 | 95          |
| 400   | T    | 270      | 160 | 1410 | 612  | 452 | 1250 | 27.5 | 1195 | 776  | 472 | 586 | 40 | 93  | 650  | 506 | 506 | 99          |
| 400   | T    | 270      | 180 | 1470 | 612  | 452 | 1300 | 27.5 | 1245 | 776  | 472 | 586 | 40 | 93  | 650  | 506 | 506 | 100         |
| 400   | T    | 270      | 200 | 1520 | 612  | 452 | 1400 | 27.5 | 1345 | 776  | 472 | 586 | 40 | 93  | 650  | 506 | 506 | 102         |
| 450   | T    | 270      | 112 | 1310 | 681  | 521 | 1150 | 27.5 | 1095 | 867  | 526 | 648 | 40 | 115 | 726  | 568 | 568 | 137         |
| 450   | T    | 270      | 132 | 1420 | 681  | 521 | 1280 | 27.5 | 1225 | 867  | 526 | 648 | 40 | 115 | 726  | 568 | 568 | 140         |
| 450   | T    | 270      | 160 | 1560 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 526 | 648 | 40 | 115 | 726  | 568 | 568 | 144         |
| 450   | T    | 270      | 180 | 1620 | 681  | 521 | 1350 | 27.5 | 1295 | 867  | 526 | 648 | 40 | 115 | 726  | 568 | 568 | 145         |
| 450   | T    | 270      | 200 | 1670 | 681  | 521 | 1450 | 27.5 | 1395 | 867  | 526 | 648 | 40 | 115 | 726  | 568 | 568 | 147         |
| 500   | T    | 270      | 132 | 1500 | 750  | 550 | 1330 | 27.5 | 1275 | 968  | 588 | 718 | 50 | 119 | 800  | 638 | 638 | 153         |
| 500   | T    | 270      | 160 | 1640 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 588 | 718 | 50 | 119 | 800  | 638 | 638 | 158         |
| 500   | T    | 270      | 180 | 1700 | 750  | 550 | 1450 | 27.5 | 1395 | 968  | 588 | 718 | 50 | 119 | 800  | 638 | 638 | 159         |
| 500   | T    | 270      | 200 | 1750 | 750  | 550 | 1550 | 27.5 | 1495 | 968  | 588 | 718 | 50 | 119 | 800  | 638 | 638 | 161         |
| 500   | T    | 270      | 225 | 1830 | 750  | 550 | 1600 | 27.5 | 1545 | 968  | 588 | 718 | 50 | 119 | 800  | 638 | 638 | 163         |

# Overall Fan Assembly Dimensions with Coupling Rotation 270°



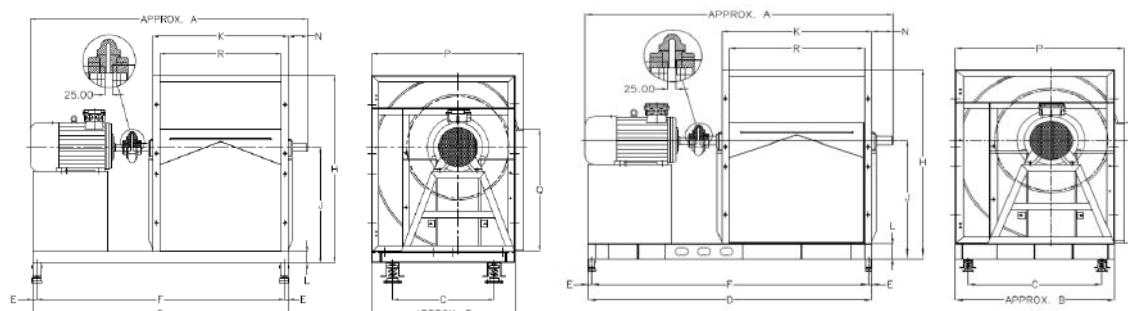
Model 315-1000

Model 1120-1400

| Model | Type | Rotation | FS  | A    | B    | C    | D    | E    | F    | H    | J    | K    | L   | N   | P    | R    | Q    | Weight(Kg.) |
|-------|------|----------|-----|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-------------|
| 560   | T    | 270      | 132 | 1500 | 844  | 644  | 1370 | 27.5 | 1315 | 1080 | 653  | 814  | 50  | 133 | 892  | 714  | 714  | 205         |
| 560   | T    | 270      | 160 | 1760 | 844  | 644  | 1550 | 27.5 | 1495 | 1080 | 653  | 814  | 50  | 133 | 892  | 714  | 714  | 210         |
| 560   | T    | 270      | 180 | 1830 | 844  | 644  | 1550 | 27.5 | 1495 | 1080 | 653  | 814  | 50  | 133 | 892  | 714  | 714  | 212         |
| 560   | T    | 270      | 200 | 1880 | 844  | 644  | 1650 | 27.5 | 1595 | 1080 | 653  | 814  | 50  | 133 | 892  | 714  | 714  | 215         |
| 560   | T    | 270      | 225 | 1960 | 844  | 644  | 1700 | 27.5 | 1645 | 1080 | 653  | 814  | 50  | 133 | 892  | 714  | 714  | 218         |
| 560   | T    | 270      | 250 | 2040 | 844  | 644  | 1780 | 27.5 | 1725 | 1080 | 653  | 814  | 50  | 133 | 892  | 714  | 714  | 222         |
| 630   | T    | 270      | 160 | 1850 | 945  | 745  | 1650 | 27.5 | 1595 | 1207 | 729  | 900  | 50  | 133 | 998  | 800  | 800  | 258         |
| 630   | T    | 270      | 180 | 1910 | 945  | 745  | 1650 | 27.5 | 1595 | 1207 | 729  | 900  | 50  | 133 | 998  | 800  | 800  | 261         |
| 630   | T    | 270      | 200 | 1960 | 945  | 745  | 1750 | 27.5 | 1695 | 1207 | 729  | 900  | 50  | 133 | 998  | 800  | 800  | 264         |
| 630   | T    | 270      | 225 | 2040 | 945  | 745  | 1800 | 27.5 | 1745 | 1207 | 729  | 900  | 50  | 133 | 998  | 800  | 800  | 267         |
| 630   | T    | 270      | 250 | 2130 | 945  | 745  | 1930 | 27.5 | 1875 | 1207 | 729  | 900  | 50  | 133 | 998  | 800  | 800  | 271         |
| 710   | T    | 270      | 160 | 1960 | 1057 | 777  | 1750 | 37.5 | 1675 | 1382 | 729  | 998  | 80  | 141 | 1120 | 898  | 898  | 370         |
| 710   | T    | 270      | 180 | 2030 | 1057 | 777  | 1800 | 37.5 | 1725 | 1382 | 729  | 998  | 80  | 141 | 1120 | 898  | 898  | 374         |
| 710   | T    | 270      | 200 | 2080 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 729  | 998  | 80  | 141 | 1120 | 898  | 898  | 378         |
| 710   | T    | 270      | 225 | 2160 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 729  | 998  | 80  | 141 | 1120 | 898  | 898  | 382         |
| 710   | T    | 270      | 250 | 2240 | 1057 | 777  | 2030 | 37.5 | 1955 | 1382 | 729  | 998  | 80  | 141 | 1120 | 898  | 898  | 389         |
| 710   | T    | 270      | 280 | 2320 | 1057 | 777  | 2100 | 37.5 | 2025 | 1382 | 729  | 998  | 80  | 141 | 1120 | 898  | 898  | 393         |
| 800   | T    | 270      | 132 | 2020 | 1180 | 900  | 1800 | 37.5 | 1725 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 432         |
| 800   | T    | 270      | 160 | 2060 | 1180 | 900  | 1850 | 37.5 | 1775 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 434         |
| 800   | T    | 270      | 180 | 2130 | 1180 | 900  | 1900 | 37.5 | 1825 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 439         |
| 800   | T    | 270      | 200 | 2180 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 444         |
| 800   | T    | 270      | 225 | 2260 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 448         |
| 800   | T    | 270      | 250 | 2350 | 1180 | 900  | 2130 | 37.5 | 2055 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 458         |
| 800   | T    | 270      | 280 | 2420 | 1180 | 900  | 2250 | 37.5 | 2175 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 464         |
| 800   | T    | 270      | 315 | 2700 | 1180 | 900  | 2400 | 37.5 | 2325 | 1548 | 845  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 485         |
| 900   | T    | 270      | 160 | 2250 | 1319 | 1039 | 2050 | 37.5 | 1975 | 1728 | 942  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 421         |
| 900   | T    | 270      | 180 | 2310 | 1319 | 1039 | 2100 | 37.5 | 2025 | 1728 | 942  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 426         |
| 900   | T    | 270      | 200 | 2360 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 942  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 430         |
| 900   | T    | 270      | 225 | 2440 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 942  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 435         |
| 900   | T    | 270      | 250 | 2530 | 1319 | 1039 | 2280 | 37.5 | 2205 | 1728 | 942  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 444         |
| 900   | T    | 270      | 280 | 2600 | 1319 | 1039 | 2350 | 37.5 | 2275 | 1728 | 942  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 450         |
| 900   | T    | 270      | 315 | 2880 | 1319 | 1039 | 2550 | 37.5 | 2475 | 1728 | 942  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 474         |
| 1000  | T    | 270      | 160 | 2410 | 1450 | 1170 | 2200 | 37.5 | 2125 | 1890 | 1146 | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 656         |
| 1000  | T    | 270      | 180 | 2470 | 1450 | 1170 | 2250 | 37.5 | 2175 | 1890 | 1146 | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 660         |
| 1000  | T    | 270      | 200 | 2520 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 1146 | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 667         |
| 1000  | T    | 270      | 225 | 2600 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 1146 | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 673         |
| 1000  | T    | 270      | 250 | 2680 | 1450 | 1170 | 2430 | 37.5 | 2355 | 1890 | 1146 | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 686         |
| 1000  | T    | 270      | 280 | 2760 | 1450 | 1170 | 2550 | 37.5 | 2475 | 1890 | 1146 | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 694         |
| 1000  | T    | 270      | 315 | 3040 | 1450 | 1170 | 2700 | 37.5 | 2625 | 1890 | 1146 | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 724         |
| 1120  | T    | 270      | 225 | 2680 | 1630 | 1370 | 2500 | 37.5 | 2425 | 2158 | 1325 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 875         |
| 1120  | T    | 270      | 250 | 2760 | 1630 | 1370 | 2580 | 37.5 | 2505 | 2158 | 1325 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 882         |
| 1120  | T    | 270      | 280 | 2840 | 1630 | 1370 | 2700 | 37.5 | 2625 | 2158 | 1325 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 888         |
| 1120  | T    | 270      | 315 | 3120 | 1630 | 1370 | 2850 | 37.5 | 2775 | 2158 | 1325 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 906         |
| 1250  | T    | 270      | 225 | 2860 | 1831 | 1531 | 2750 | 37.5 | 2675 | 2435 | 1503 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1204        |
| 1250  | T    | 270      | 250 | 2940 | 1831 | 1531 | 2830 | 37.5 | 2755 | 2435 | 1503 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1213        |
| 1250  | T    | 270      | 280 | 3010 | 1831 | 1531 | 2900 | 37.5 | 2825 | 2435 | 1503 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1220        |
| 1250  | T    | 270      | 315 | 3290 | 1831 | 1531 | 3100 | 37.5 | 3025 | 2435 | 1503 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1242        |
| 1250  | T    | 270      | 355 | 3490 | 1831 | 1531 | 3300 | 37.5 | 3225 | 2435 | 1503 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1259        |
| 1400  | T    | 270      | 280 | 3300 | 2057 | 1757 | 3150 | 37.5 | 3075 | 2718 | 1665 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1644        |
| 1400  | T    | 270      | 315 | 3580 | 2057 | 1757 | 3350 | 37.5 | 3275 | 2718 | 1665 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1667        |
| 1400  | T    | 270      | 355 | 3780 | 2057 | 1757 | 3550 | 37.5 | 3475 | 2718 | 1665 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1686        |
| 315   | X    | 270      | 132 | 1210 | 480  | 320  | 1100 | 27.5 | 1045 | 618  | 380  | 464  | 40  | 134 | 518  | 404  | 404  | 70          |
| 315   | X    | 270      | 160 | 1360 | 480  | 320  | 1170 | 27.5 | 1115 | 618  | 380  | 464  | 40  | 134 | 518  | 404  | 404  | 75          |
| 355   | X    | 270      | 112 | 1150 | 548  | 388  | 1050 | 27.5 | 995  | 694  | 423  | 532  | 40  | 145 | 578  | 452  | 452  | 90          |
| 355   | X    | 270      | 132 | 1260 | 548  | 388  | 1180 | 27.5 | 1125 | 694  | 423  | 532  | 40  | 145 | 578  | 452  | 452  | 95          |
| 355   | X    | 270      | 160 | 1410 | 548  | 388  | 1230 | 27.5 | 1175 | 694  | 423  | 532  | 40  | 145 | 578  | 452  | 452  | 101         |
| 400   | X    | 270      | 160 | 1460 | 612  | 452  | 1300 | 27.5 | 1245 | 776  | 472  | 586  | 40  | 145 | 650  | 506  | 506  | 100         |
| 400   | X    | 270      | 180 | 1520 | 612  | 452  | 1350 | 27.5 | 1295 | 776  | 472  | 586  | 40  | 145 | 650  | 506  | 506  | 103         |
| 400   | X    | 270      | 200 | 1570 | 612  | 452  | 1450 | 27.5 | 1395 | 776  | 472  | 586  | 40  | 145 | 650  | 506  | 506  | 108         |
| 450   | X    | 270      | 180 | 1620 | 681  | 521  | 1350 | 27.5 | 1295 | 867  | 508  | 648  | 40  | 149 | 726  | 568  | 568  | 113         |
| 450   | X    | 270      | 200 | 1670 | 681  | 521  | 1450 | 27.5 | 1395 | 867  | 508  | 648  | 40  | 149 | 726  | 568  | 568  | 116         |
| 450   | X    | 270      | 225 | 1690 | 681  | 521  | 1500 | 27.5 | 1445 | 867  | 508  | 648  | 40  | 149 | 726  | 568  | 568  | 120         |
| 500   | X    | 270      | 132 | 1610 | 750  | 550  | 1330 | 37.5 | 1255 | 968  | 588  | 718  | 50  | 174 | 800  | 638  | 638  | 168         |
| 500   | X    | 270      | 160 | 1750 | 750  | 550  | 1450 | 37.5 | 1375 | 968  | 588  | 718  | 50  | 174 | 800  | 638  | 638  | 173         |
| 500   | X    | 270      | 180 | 1810 | 750  | 550  | 1450 | 37.5 | 1375 | 968  | 588  | 718  | 50  | 174 | 800  | 638  | 638  | 174         |
| 500   | X    | 270      | 200 | 1860 | 750  | 550  | 1550 | 37.5 | 1475 | 968  | 588  | 718  | 50  | 174 | 800  | 638  | 638  | 176         |
| 500   | X    | 270      | 225 | 1940 | 750  | 550  | 1600 | 37.5 | 1525 | 968  | 588  | 718  | 50  | 174 | 800  | 638  | 638  | 178         |



# Overall Fan Assembly Dimensions with Coupling Rotation 270°

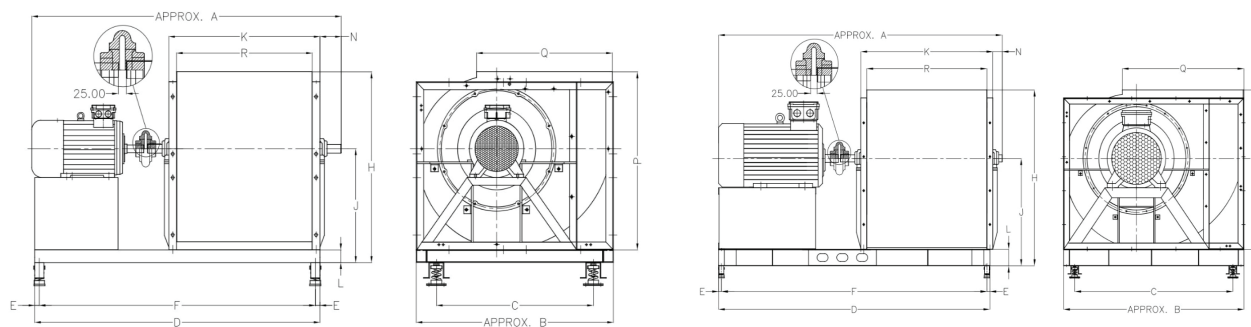


Model 315-1000

Model 1120-1400

| Model | Type | Rotation | FS  | A    | B    | C    | D    | E    | F    | H    | J    | K    | L   | N   | P    | R    | Q    | Weight(Kg.) |
|-------|------|----------|-----|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-------------|
| 560   | X    | 270      | 160 | 1820 | 844  | 644  | 1550 | 37.5 | 1475 | 1080 | 653  | 814  | 50  | 162 | 892  | 714  | 714  | 220         |
| 560   | X    | 270      | 180 | 1880 | 844  | 644  | 1550 | 37.5 | 1475 | 1080 | 653  | 814  | 50  | 162 | 892  | 714  | 714  | 222         |
| 560   | X    | 270      | 200 | 1930 | 844  | 644  | 1650 | 37.5 | 1575 | 1080 | 653  | 814  | 50  | 162 | 892  | 714  | 714  | 225         |
| 560   | X    | 270      | 225 | 2010 | 844  | 644  | 1700 | 37.5 | 1625 | 1080 | 653  | 814  | 50  | 162 | 892  | 714  | 714  | 228         |
| 560   | X    | 270      | 250 | 2100 | 844  | 644  | 1780 | 37.5 | 1705 | 1080 | 653  | 814  | 50  | 162 | 892  | 714  | 714  | 232         |
| 630   | X    | 270      | 160 | 1970 | 945  | 745  | 1650 | 37.5 | 1575 | 1207 | 729  | 900  | 50  | 193 | 998  | 800  | 800  | 273         |
| 630   | X    | 270      | 180 | 2030 | 945  | 745  | 1650 | 37.5 | 1575 | 1207 | 729  | 900  | 50  | 193 | 998  | 800  | 800  | 276         |
| 630   | X    | 270      | 200 | 2080 | 945  | 745  | 1750 | 37.5 | 1675 | 1207 | 729  | 900  | 50  | 193 | 998  | 800  | 800  | 279         |
| 630   | X    | 270      | 225 | 2160 | 945  | 745  | 1800 | 37.5 | 1725 | 1207 | 729  | 900  | 50  | 193 | 998  | 800  | 800  | 282         |
| 630   | X    | 270      | 250 | 2250 | 945  | 745  | 1930 | 37.5 | 1855 | 1207 | 729  | 900  | 50  | 193 | 998  | 800  | 800  | 286         |
| 710   | X    | 270      | 180 | 2140 | 1057 | 777  | 1800 | 37.5 | 1725 | 1382 | 845  | 998  | 80  | 196 | 1120 | 898  | 898  | 394         |
| 710   | X    | 270      | 200 | 2190 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 845  | 998  | 80  | 196 | 1120 | 898  | 898  | 398         |
| 710   | X    | 270      | 225 | 2270 | 1057 | 777  | 1900 | 37.5 | 1825 | 1382 | 845  | 998  | 80  | 196 | 1120 | 898  | 898  | 402         |
| 710   | X    | 270      | 250 | 2350 | 1057 | 777  | 2030 | 37.5 | 1955 | 1382 | 845  | 998  | 80  | 196 | 1120 | 898  | 898  | 409         |
| 710   | X    | 270      | 280 | 2430 | 1057 | 777  | 2100 | 37.5 | 2025 | 1382 | 845  | 998  | 80  | 196 | 1120 | 898  | 898  | 413         |
| 800   | X    | 270      | 180 | 2240 | 1180 | 900  | 1900 | 37.5 | 1825 | 1548 | 942  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 462         |
| 800   | X    | 270      | 200 | 2290 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 942  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 467         |
| 800   | X    | 270      | 225 | 2370 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 942  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 471         |
| 800   | X    | 270      | 250 | 2460 | 1180 | 900  | 2130 | 37.5 | 2055 | 1548 | 942  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 481         |
| 800   | X    | 270      | 280 | 2530 | 1180 | 900  | 2250 | 37.5 | 2175 | 1548 | 942  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 487         |
| 800   | X    | 270      | 315 | 2810 | 1180 | 900  | 2400 | 37.5 | 2325 | 1548 | 942  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 508         |
| 900   | X    | 270      | 200 | 2460 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 460         |
| 900   | X    | 270      | 225 | 2540 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 465         |
| 900   | X    | 270      | 250 | 2620 | 1319 | 1039 | 2280 | 37.5 | 2205 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 474         |
| 900   | X    | 270      | 280 | 2700 | 1319 | 1039 | 2350 | 37.5 | 2275 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 480         |
| 900   | X    | 270      | 315 | 2980 | 1319 | 1039 | 2550 | 37.5 | 2475 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 504         |
| 1000  | X    | 270      | 200 | 2640 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 1146 | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 722         |
| 1000  | X    | 270      | 225 | 2720 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 1146 | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 728         |
| 1000  | X    | 270      | 250 | 2810 | 1450 | 1170 | 2430 | 37.5 | 2355 | 1890 | 1146 | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 741         |
| 1000  | X    | 270      | 280 | 2880 | 1450 | 1170 | 2550 | 37.5 | 2475 | 1890 | 1146 | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 749         |
| 1000  | X    | 270      | 315 | 3160 | 1450 | 1170 | 2700 | 37.5 | 2625 | 1890 | 1146 | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 779         |
| 1120  | X    | 270      | 225 | 2790 | 1630 | 1370 | 2500 | 37.5 | 2425 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 940         |
| 1120  | X    | 270      | 250 | 2880 | 1630 | 1370 | 2580 | 37.5 | 2505 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 947         |
| 1120  | X    | 270      | 280 | 2950 | 1630 | 1370 | 2700 | 37.5 | 2625 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 953         |
| 1120  | X    | 270      | 315 | 3230 | 1630 | 1370 | 2850 | 37.5 | 2775 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 971         |
| 1250  | X    | 270      | 250 | 3000 | 1831 | 1531 | 2830 | 37.5 | 2755 | 2435 | 1503 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1313        |
| 1250  | X    | 270      | 280 | 3070 | 1831 | 1531 | 2900 | 37.5 | 2825 | 2435 | 1503 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1320        |
| 1250  | X    | 270      | 315 | 3350 | 1831 | 1531 | 3100 | 37.5 | 3025 | 2435 | 1503 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1342        |
| 1250  | X    | 270      | 355 | 3550 | 1831 | 1531 | 3300 | 37.5 | 3225 | 2435 | 1503 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1359        |
| 1400  | X    | 270      | 280 | 3330 | 2057 | 1757 | 3150 | 37.5 | 3075 | 2718 | 1665 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1714        |
| 1400  | X    | 270      | 315 | 3610 | 2057 | 1757 | 3350 | 37.5 | 3275 | 2718 | 1665 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1737        |
| 1400  | X    | 270      | 355 | 3810 | 2057 | 1757 | 3550 | 37.5 | 3475 | 2718 | 1665 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1756        |
| 800   | Z    | 270      | 180 | 2240 | 1180 | 900  | 1900 | 37.5 | 1825 | 1548 | 942  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 462         |
| 800   | Z    | 270      | 200 | 2290 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 942  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 467         |
| 800   | Z    | 270      | 225 | 2370 | 1180 | 900  | 2000 | 37.5 | 1925 | 1548 | 942  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 471         |
| 800   | Z    | 270      | 250 | 2460 | 1180 | 900  | 2130 | 37.5 | 2055 | 1548 | 942  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 481         |
| 800   | Z    | 270      | 280 | 2530 | 1180 | 900  | 2250 | 37.5 | 2175 | 1548 | 942  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 487         |
| 800   | Z    | 270      | 315 | 2810 | 1180 | 900  | 2400 | 37.5 | 2325 | 1548 | 942  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 508         |
| 900   | Z    | 270      | 200 | 2460 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 460         |
| 900   | Z    | 270      | 225 | 2540 | 1319 | 1039 | 2150 | 37.5 | 2075 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 465         |
| 900   | Z    | 270      | 250 | 2620 | 1319 | 1039 | 2280 | 37.5 | 2205 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 474         |
| 900   | Z    | 270      | 280 | 2700 | 1319 | 1039 | 2350 | 37.5 | 2275 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 480         |
| 900   | Z    | 270      | 315 | 2980 | 1319 | 1039 | 2550 | 37.5 | 2475 | 1728 | 1051 | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 504         |
| 1000  | Z    | 270      | 200 | 2640 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 1146 | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 722         |
| 1000  | Z    | 270      | 225 | 2720 | 1450 | 1170 | 2300 | 37.5 | 2225 | 1890 | 1146 | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 728         |
| 1000  | Z    | 270      | 250 | 2810 | 1450 | 1170 | 2430 | 37.5 | 2355 | 1890 | 1146 | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 741         |
| 1000  | Z    | 270      | 280 | 2880 | 1450 | 1170 | 2550 | 37.5 | 2475 | 1890 | 1146 | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 749         |
| 1000  | Z    | 270      | 315 | 3160 | 1450 | 1170 | 2700 | 37.5 | 2625 | 1890 | 1146 | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 779         |
| 1120  | Z    | 270      | 225 | 2790 | 1630 | 1370 | 2500 | 37.5 | 2425 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 940         |
| 1120  | Z    | 270      | 250 | 2880 | 1630 | 1370 | 2580 | 37.5 | 2505 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 947         |
| 1120  | Z    | 270      | 280 | 2950 | 1630 | 1370 | 2700 | 37.5 | 2625 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 953         |
| 1120  | Z    | 270      | 315 | 3230 | 1630 | 1370 | 2850 | 37.5 | 2775 | 2158 | 1325 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 971         |
| 1250  | Z    | 270      | 250 | 3000 | 1831 | 1531 | 2830 | 37.5 | 2755 | 2435 | 1503 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1313        |
| 1250  | Z    | 270      | 280 | 3070 | 1831 | 1531 | 2900 | 37.5 | 2825 | 2435 | 1503 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1320        |
| 1250  | Z    | 270      | 315 | 3350 | 1831 | 1531 | 3100 | 37.5 | 3025 | 2435 | 1503 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1342        |
| 1250  | Z    | 270      | 355 | 3550 | 1831 | 1531 | 3300 | 37.5 | 3225 | 2435 | 1503 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1359        |
| 1400  | Z    | 270      | 280 | 3380 | 2057 | 1757 | 3200 | 37.5 | 3125 | 2718 | 1665 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1714        |
| 1400  | Z    | 270      | 315 | 3660 | 2057 | 1757 | 3400 | 37.5 | 3325 | 2718 | 1665 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1737        |
| 1400  | Z    | 270      | 355 | 3860 | 2057 | 1757 | 3600 | 37.5 | 3525 | 2718 | 1665 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1756        |

# Overall Fan Assembly Dimensions with Coupling Rotation 360°

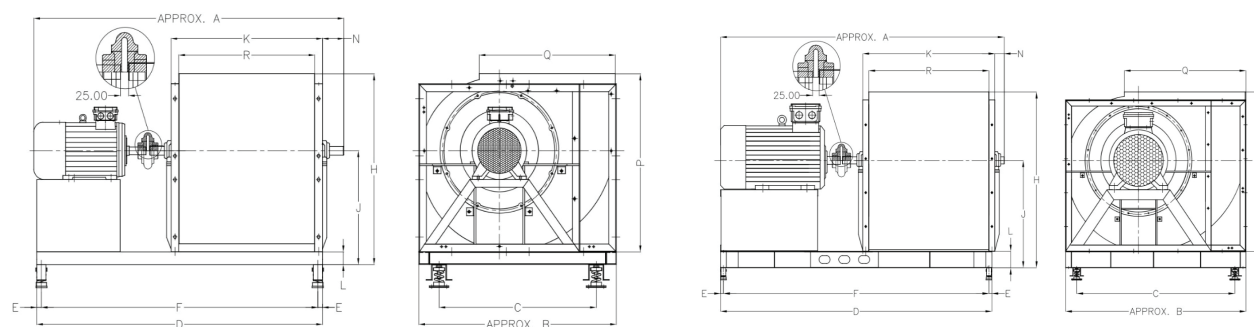


Model 315-1000

Model 1120-1400

| Model | Type | Rotation | FS  | A    | B    | C    | D    | E    | F    | H    | J   | K   | L  | N   | P    | R   | Q   | Weight(Kg.) |
|-------|------|----------|-----|------|------|------|------|------|------|------|-----|-----|----|-----|------|-----|-----|-------------|
| 315   | C    | 360      | 80  | 920  | 578  | 418  | 850  | 27.5 | 795  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 44          |
| 315   | C    | 360      | 90  | 970  | 578  | 418  | 900  | 27.5 | 845  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 45          |
| 315   | C    | 360      | 100 | 1010 | 578  | 418  | 950  | 27.5 | 895  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 47          |
| 315   | C    | 360      | 112 | 1030 | 578  | 418  | 950  | 27.5 | 895  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 48          |
| 315   | C    | 360      | 132 | 1140 | 578  | 418  | 1030 | 27.5 | 975  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 50          |
| 355   | C    | 360      | 90  | 1040 | 654  | 494  | 950  | 27.5 | 895  | 618  | 358 | 532 | 40 | 70  | 578  | 452 | 452 | 61          |
| 355   | C    | 360      | 100 | 1080 | 654  | 494  | 1000 | 27.5 | 945  | 618  | 358 | 532 | 40 | 70  | 578  | 452 | 452 | 63          |
| 355   | C    | 360      | 112 | 1100 | 654  | 494  | 1000 | 27.5 | 945  | 618  | 358 | 532 | 40 | 70  | 578  | 452 | 452 | 64          |
| 355   | C    | 360      | 132 | 1210 | 654  | 494  | 1130 | 27.5 | 1075 | 618  | 358 | 532 | 40 | 70  | 578  | 452 | 452 | 67          |
| 400   | C    | 360      | 90  | 1100 | 736  | 576  | 1000 | 27.5 | 945  | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 66          |
| 400   | C    | 360      | 100 | 1140 | 736  | 576  | 1050 | 27.5 | 995  | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 69          |
| 400   | C    | 360      | 112 | 1160 | 736  | 576  | 1050 | 27.5 | 995  | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 70          |
| 400   | C    | 360      | 132 | 1270 | 736  | 576  | 1180 | 27.5 | 1125 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 73          |
| 400   | C    | 360      | 160 | 1410 | 736  | 576  | 1250 | 27.5 | 1195 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 76          |
| 400   | C    | 360      | 180 | 1470 | 736  | 576  | 1300 | 27.5 | 1245 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 77          |
| 400   | C    | 360      | 200 | 1520 | 736  | 576  | 1400 | 27.5 | 1345 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 79          |
| 450   | C    | 360      | 100 | 1220 | 827  | 667  | 1150 | 27.5 | 1095 | 766  | 444 | 648 | 40 | 83  | 726  | 568 | 568 | 85          |
| 450   | C    | 360      | 112 | 1240 | 827  | 667  | 1150 | 27.5 | 1095 | 766  | 444 | 648 | 40 | 83  | 726  | 568 | 568 | 89          |
| 450   | C    | 360      | 132 | 1350 | 827  | 667  | 1280 | 27.5 | 1225 | 766  | 444 | 648 | 40 | 83  | 726  | 568 | 568 | 93          |
| 450   | C    | 360      | 160 | 1490 | 827  | 667  | 1350 | 27.5 | 1295 | 766  | 444 | 648 | 40 | 83  | 726  | 568 | 568 | 96          |
| 450   | C    | 360      | 180 | 1560 | 827  | 667  | 1350 | 27.5 | 1295 | 766  | 444 | 648 | 40 | 83  | 726  | 568 | 568 | 97          |
| 450   | C    | 360      | 200 | 1610 | 827  | 667  | 1450 | 27.5 | 1395 | 766  | 444 | 648 | 40 | 83  | 726  | 568 | 568 | 99          |
| 500   | C    | 360      | 100 | 1330 | 918  | 718  | 1220 | 27.5 | 1165 | 850  | 498 | 718 | 50 | 103 | 800  | 638 | 638 | 112         |
| 500   | C    | 360      | 112 | 1350 | 918  | 718  | 1220 | 27.5 | 1165 | 850  | 498 | 718 | 50 | 103 | 800  | 638 | 638 | 115         |
| 500   | C    | 360      | 132 | 1460 | 918  | 718  | 1330 | 27.5 | 1275 | 850  | 498 | 718 | 50 | 103 | 800  | 638 | 638 | 118         |
| 500   | C    | 360      | 160 | 1600 | 918  | 718  | 1450 | 27.5 | 1395 | 850  | 498 | 718 | 50 | 103 | 800  | 638 | 638 | 123         |
| 500   | C    | 360      | 180 | 1670 | 918  | 718  | 1450 | 27.5 | 1395 | 850  | 498 | 718 | 50 | 103 | 800  | 638 | 638 | 124         |
| 500   | C    | 360      | 200 | 1720 | 918  | 718  | 1550 | 27.5 | 1495 | 850  | 498 | 718 | 50 | 103 | 800  | 638 | 638 | 126         |
| 500   | C    | 360      | 225 | 1800 | 918  | 718  | 1600 | 27.5 | 1545 | 850  | 498 | 718 | 50 | 103 | 800  | 638 | 638 | 128         |
| 560   | C    | 360      | 100 | 1410 | 1030 | 830  | 1300 | 27.5 | 1245 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 155         |
| 560   | C    | 360      | 112 | 1430 | 1030 | 830  | 1300 | 27.5 | 1245 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 158         |
| 560   | C    | 360      | 132 | 1540 | 1030 | 830  | 1410 | 27.5 | 1355 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 160         |
| 560   | C    | 360      | 160 | 1680 | 1030 | 830  | 1550 | 27.5 | 1495 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 162         |
| 560   | C    | 360      | 180 | 1750 | 1030 | 830  | 1550 | 27.5 | 1495 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 164         |
| 560   | C    | 360      | 200 | 1800 | 1030 | 830  | 1650 | 27.5 | 1595 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 167         |
| 560   | C    | 360      | 225 | 1880 | 1030 | 830  | 1700 | 27.5 | 1645 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 170         |
| 560   | C    | 360      | 250 | 1960 | 1030 | 830  | 1780 | 27.5 | 1725 | 942  | 552 | 814 | 50 | 93  | 892  | 714 | 714 | 174         |
| 630   | C    | 360      | 112 | 1520 | 1157 | 957  | 1400 | 27.5 | 1345 | 1048 | 614 | 900 | 50 | 96  | 998  | 800 | 800 | 192         |
| 630   | C    | 360      | 132 | 1630 | 1157 | 957  | 1510 | 27.5 | 1455 | 1048 | 614 | 900 | 50 | 96  | 998  | 800 | 800 | 195         |
| 630   | C    | 360      | 160 | 1770 | 1157 | 957  | 1650 | 27.5 | 1595 | 1048 | 614 | 900 | 50 | 96  | 998  | 800 | 800 | 198         |
| 630   | C    | 360      | 180 | 1840 | 1157 | 957  | 1650 | 27.5 | 1595 | 1048 | 614 | 900 | 50 | 96  | 998  | 800 | 800 | 201         |
| 630   | C    | 360      | 200 | 1890 | 1157 | 957  | 1750 | 27.5 | 1695 | 1048 | 614 | 900 | 50 | 96  | 998  | 800 | 800 | 204         |
| 630   | C    | 360      | 225 | 1970 | 1157 | 957  | 1800 | 27.5 | 1745 | 1048 | 614 | 900 | 50 | 96  | 998  | 800 | 800 | 207         |
| 630   | C    | 360      | 250 | 2050 | 1157 | 957  | 1930 | 27.5 | 1875 | 1048 | 614 | 900 | 50 | 96  | 998  | 800 | 800 | 211         |
| 710   | C    | 360      | 132 | 1775 | 1302 | 1022 | 1660 | 37.5 | 1585 | 1200 | 716 | 998 | 80 | 118 | 1120 | 898 | 898 | 307         |
| 710   | C    | 360      | 160 | 1915 | 1302 | 1022 | 1800 | 37.5 | 1725 | 1200 | 716 | 998 | 80 | 118 | 1120 | 898 | 898 | 310         |
| 710   | C    | 360      | 180 | 1980 | 1302 | 1022 | 1800 | 37.5 | 1725 | 1200 | 716 | 998 | 80 | 118 | 1120 | 898 | 898 | 314         |
| 710   | C    | 360      | 200 | 2030 | 1302 | 1022 | 1900 | 37.5 | 1825 | 1200 | 716 | 998 | 80 | 118 | 1120 | 898 | 898 | 318         |
| 710   | C    | 360      | 225 | 2110 | 1302 | 1022 | 1900 | 37.5 | 1825 | 1200 | 716 | 998 | 80 | 118 | 1120 | 898 | 898 | 322         |
| 710   | C    | 360      | 250 | 2190 | 1302 | 1022 | 2030 | 37.5 | 1955 | 1200 | 716 | 998 | 80 | 118 | 1120 | 898 | 898 | 329         |
| 710   | C    | 360      | 280 | 2270 | 1302 | 1022 | 2100 | 37.5 | 2025 | 1200 | 716 | 998 | 80 | 118 | 1120 | 898 | 898 | 333         |
| 315   | T    | 360      | 100 | 1030 | 578  | 418  | 970  | 27.5 | 915  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 79          |
| 315   | T    | 360      | 112 | 1050 | 578  | 418  | 970  | 27.5 | 915  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 79          |
| 315   | T    | 360      | 132 | 1160 | 578  | 418  | 1050 | 27.5 | 995  | 558  | 322 | 464 | 40 | 68  | 518  | 404 | 404 | 82          |
| 355   | T    | 360      | 100 | 1080 | 654  | 494  | 1000 | 27.5 | 945  | 618  | 358 | 532 | 40 | 70  | 578  | 452 | 452 | 84          |
| 355   | T    | 360      | 112 | 1100 | 654  | 494  | 1000 | 27.5 | 945  | 618  | 358 | 532 | 40 | 70  | 578  | 452 | 452 | 85          |
| 355   | T    | 360      | 132 | 1210 | 654  | 494  | 1130 | 27.5 | 1075 | 618  | 358 | 532 | 40 | 70  | 578  | 452 | 452 | 89          |
| 400   | T    | 360      | 100 | 1140 | 736  | 576  | 1050 | 27.5 | 995  | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 91          |
| 400   | T    | 360      | 112 | 1160 | 736  | 576  | 1050 | 27.5 | 995  | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 92          |
| 400   | T    | 360      | 132 | 1270 | 736  | 576  | 1180 | 27.5 | 1125 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 95          |
| 400   | T    | 360      | 160 | 1410 | 736  | 576  | 1250 | 27.5 | 1195 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 99          |
| 400   | T    | 360      | 180 | 1470 | 736  | 576  | 1300 | 27.5 | 1245 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 100         |
| 400   | T    | 360      | 200 | 1520 | 736  | 576  | 1400 | 27.5 | 1345 | 690  | 400 | 586 | 40 | 70  | 650  | 506 | 506 | 102         |
| 450   | T    | 360      | 112 | 1310 | 827  | 667  | 1150 | 27.5 | 1095 | 766  | 444 | 648 | 40 | 115 | 726  | 568 | 568 | 124         |
| 450   | T    | 360      | 132 | 1420 | 827  | 667  | 1280 | 27.5 | 1225 | 766  | 444 | 648 | 40 | 115 | 726  | 568 | 568 | 128         |
| 450   | T    | 360      | 160 | 1560 | 827  | 667  | 1350 | 27.5 | 1295 | 766  | 444 | 648 | 40 | 115 | 726  | 568 | 568 | 131         |
| 450   | T    | 360      | 180 | 1620 | 827  | 667  | 1350 | 27.5 | 1295 | 766  | 444 | 648 | 40 | 115 | 726  | 568 | 568 | 132         |
| 450   | T    | 360      | 200 | 1670 | 827  | 667  | 1450 | 27.5 | 1395 | 766  | 444 | 648 | 40 | 115 | 726  | 568 | 568 | 134         |
| 500   | T    | 360      | 132 | 1500 | 918  | 718  | 1330 | 27.5 | 1275 | 850  | 498 | 718 | 50 | 119 | 800  | 638 | 638 | 153         |
| 500   | T    | 360      | 160 | 1640 | 918  | 718  | 1450 | 27.5 | 1395 | 850  | 498 | 718 | 50 | 119 | 800  | 638 | 638 | 158         |
| 500   | T    | 360      | 180 | 1700 | 918  | 718  | 1450 | 27.5 | 1395 | 850  | 498 | 718 | 50 | 119 | 800  | 638 | 638 | 159         |
| 500   | T    | 360      | 200 | 1750 | 918  | 718  | 1550 | 27.5 | 1495 | 850  | 498 | 718 | 50 | 119 | 800  | 638 | 638 | 161         |
| 500   | T    | 360      | 225 | 1830 | 918  | 718  | 1600 | 27.5 | 1545 | 850  | 498 | 718 | 50 | 119 | 800  | 638 | 638 | 163         |

# Overall Fan Assembly Dimensions with Coupling Rotation 360°



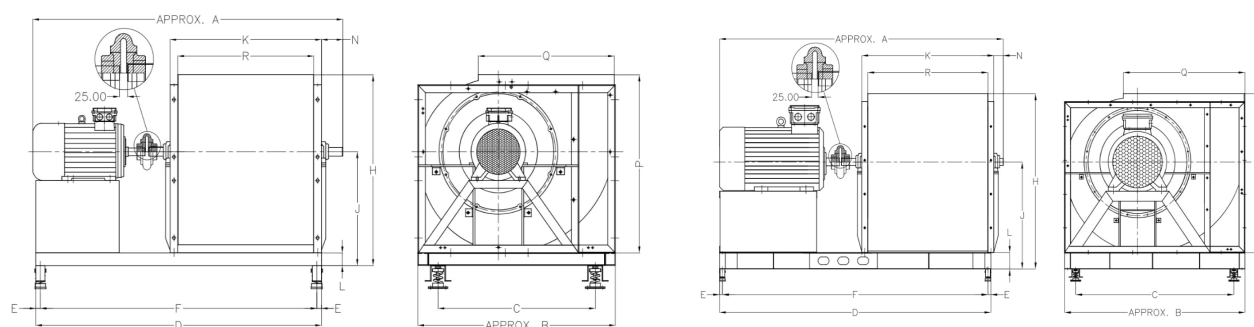
Model 315-1000

Model 1120-1400

| Model | Type | Rotation | FS  | A    | B    | C    | D    | E    | F    | H    | J    | K    | L   | N   | P    | R    | Q    | Weight(Kg.) |
|-------|------|----------|-----|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-------------|
| 560   | T    | 360      | 132 | 1500 | 1030 | 830  | 1370 | 27.5 | 1315 | 942  | 552  | 814  | 50  | 133 | 892  | 714  | 714  | 207         |
| 560   | T    | 360      | 160 | 1760 | 1030 | 830  | 1550 | 27.5 | 1495 | 942  | 552  | 814  | 50  | 133 | 892  | 714  | 714  | 210         |
| 560   | T    | 360      | 180 | 1830 | 1030 | 830  | 1550 | 27.5 | 1495 | 942  | 552  | 814  | 50  | 133 | 892  | 714  | 714  | 212         |
| 560   | T    | 360      | 200 | 1880 | 1030 | 830  | 1650 | 27.5 | 1595 | 942  | 552  | 814  | 50  | 133 | 892  | 714  | 714  | 215         |
| 560   | T    | 360      | 225 | 1960 | 1030 | 830  | 1700 | 27.5 | 1645 | 942  | 552  | 814  | 50  | 133 | 892  | 714  | 714  | 218         |
| 560   | T    | 360      | 250 | 2040 | 1030 | 830  | 1780 | 27.5 | 1725 | 942  | 552  | 814  | 50  | 133 | 892  | 714  | 714  | 222         |
| 630   | T    | 360      | 160 | 1850 | 1157 | 957  | 1650 | 27.5 | 1595 | 1048 | 614  | 900  | 50  | 133 | 998  | 800  | 800  | 258         |
| 630   | T    | 360      | 180 | 1910 | 1157 | 957  | 1650 | 27.5 | 1595 | 1048 | 614  | 900  | 50  | 133 | 998  | 800  | 800  | 261         |
| 630   | T    | 360      | 200 | 1960 | 1157 | 957  | 1750 | 27.5 | 1695 | 1048 | 614  | 900  | 50  | 133 | 998  | 800  | 800  | 264         |
| 630   | T    | 360      | 225 | 2040 | 1157 | 957  | 1800 | 27.5 | 1745 | 1048 | 614  | 900  | 50  | 133 | 998  | 800  | 800  | 267         |
| 630   | T    | 360      | 250 | 2130 | 1157 | 957  | 1930 | 27.5 | 1875 | 1048 | 614  | 900  | 50  | 133 | 998  | 800  | 800  | 271         |
| 710   | T    | 360      | 160 | 1960 | 1302 | 1022 | 1750 | 37.5 | 1675 | 1200 | 716  | 998  | 80  | 141 | 1120 | 898  | 898  | 370         |
| 710   | T    | 360      | 180 | 2030 | 1302 | 1022 | 1800 | 37.5 | 1725 | 1200 | 716  | 998  | 80  | 141 | 1120 | 898  | 898  | 374         |
| 710   | T    | 360      | 200 | 2080 | 1302 | 1022 | 1900 | 37.5 | 1825 | 1200 | 716  | 998  | 80  | 141 | 1120 | 898  | 898  | 378         |
| 710   | T    | 360      | 225 | 2160 | 1302 | 1022 | 1900 | 37.5 | 1825 | 1200 | 716  | 998  | 80  | 141 | 1120 | 898  | 898  | 382         |
| 710   | T    | 360      | 250 | 2240 | 1302 | 1022 | 2030 | 37.5 | 1955 | 1200 | 716  | 998  | 80  | 141 | 1120 | 898  | 898  | 389         |
| 710   | T    | 360      | 280 | 2320 | 1302 | 1022 | 2100 | 37.5 | 2025 | 1200 | 716  | 998  | 80  | 141 | 1120 | 898  | 898  | 393         |
| 800   | T    | 360      | 132 | 2020 | 1468 | 1188 | 1800 | 37.5 | 1725 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 431         |
| 800   | T    | 360      | 160 | 2060 | 1468 | 1188 | 1850 | 37.5 | 1775 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 435         |
| 800   | T    | 360      | 180 | 2130 | 1468 | 1188 | 1900 | 37.5 | 1825 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 439         |
| 800   | T    | 360      | 200 | 2180 | 1468 | 1188 | 2000 | 37.5 | 1925 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 444         |
| 800   | T    | 360      | 225 | 2260 | 1468 | 1188 | 2000 | 37.5 | 1925 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 448         |
| 800   | T    | 360      | 250 | 2350 | 1468 | 1188 | 2130 | 37.5 | 2055 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 458         |
| 800   | T    | 360      | 280 | 2420 | 1468 | 1188 | 2250 | 37.5 | 2175 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 464         |
| 800   | T    | 360      | 315 | 2700 | 1468 | 1188 | 2400 | 37.5 | 2325 | 1334 | 794  | 1106 | 80  | 141 | 1254 | 1006 | 1006 | 485         |
| 900   | T    | 360      | 160 | 2250 | 1648 | 1368 | 2050 | 37.5 | 1975 | 1488 | 884  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 422         |
| 900   | T    | 360      | 180 | 2310 | 1648 | 1368 | 2100 | 37.5 | 2025 | 1488 | 884  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 426         |
| 900   | T    | 360      | 200 | 2360 | 1648 | 1368 | 2150 | 37.5 | 2075 | 1488 | 884  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 430         |
| 900   | T    | 360      | 225 | 2440 | 1648 | 1368 | 2150 | 37.5 | 2075 | 1488 | 884  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 435         |
| 900   | T    | 360      | 250 | 2530 | 1648 | 1368 | 2280 | 37.5 | 2205 | 1488 | 884  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 444         |
| 900   | T    | 360      | 280 | 2600 | 1648 | 1368 | 2350 | 37.5 | 2275 | 1488 | 884  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 450         |
| 900   | T    | 360      | 315 | 2880 | 1648 | 1368 | 2550 | 37.5 | 2475 | 1488 | 884  | 1230 | 80  | 168 | 1408 | 1130 | 1130 | 474         |
| 1000  | T    | 360      | 160 | 2410 | 1810 | 1530 | 2200 | 37.5 | 2125 | 1620 | 964  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 658         |
| 1000  | T    | 360      | 180 | 2470 | 1810 | 1530 | 2250 | 37.5 | 2175 | 1620 | 964  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 662         |
| 1000  | T    | 360      | 200 | 2520 | 1810 | 1530 | 2300 | 37.5 | 2225 | 1620 | 964  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 667         |
| 1000  | T    | 360      | 225 | 2600 | 1810 | 1530 | 2300 | 37.5 | 2225 | 1620 | 964  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 673         |
| 1000  | T    | 360      | 250 | 2680 | 1810 | 1530 | 2430 | 37.5 | 2355 | 1620 | 964  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 686         |
| 1000  | T    | 360      | 280 | 2760 | 1810 | 1530 | 2550 | 37.5 | 2475 | 1620 | 964  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 694         |
| 1000  | T    | 360      | 315 | 3040 | 1810 | 1530 | 2700 | 37.5 | 2625 | 1620 | 964  | 1366 | 80  | 179 | 1540 | 1266 | 1266 | 724         |
| 1120  | T    | 360      | 225 | 2680 | 2033 | 1773 | 2500 | 37.5 | 2425 | 1850 | 1097 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 875         |
| 1120  | T    | 360      | 250 | 2760 | 2033 | 1773 | 2580 | 37.5 | 2505 | 1850 | 1097 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 882         |
| 1120  | T    | 360      | 280 | 2840 | 2033 | 1773 | 2700 | 37.5 | 2625 | 1850 | 1097 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 888         |
| 1120  | T    | 360      | 315 | 3120 | 2033 | 1773 | 2850 | 37.5 | 2775 | 1850 | 1097 | 1548 | 125 | 59  | 1725 | 1422 | 1422 | 906         |
| 1250  | T    | 360      | 225 | 2860 | 2285 | 1985 | 2750 | 37.5 | 2675 | 2080 | 1250 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1207        |
| 1250  | T    | 360      | 250 | 2940 | 2285 | 1985 | 2830 | 37.5 | 2755 | 2080 | 1250 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1213        |
| 1250  | T    | 360      | 280 | 3010 | 2285 | 1985 | 2900 | 37.5 | 2825 | 2080 | 1250 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1220        |
| 1250  | T    | 360      | 315 | 3290 | 2285 | 1985 | 3100 | 37.5 | 3025 | 2080 | 1250 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1242        |
| 1250  | T    | 360      | 355 | 3490 | 2285 | 1985 | 3300 | 37.5 | 3225 | 2080 | 1250 | 1674 | 150 | 81  | 1930 | 1524 | 1524 | 1259        |
| 1400  | T    | 360      | 280 | 3300 | 2568 | 2268 | 3150 | 37.5 | 3075 | 2320 | 1357 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1644        |
| 1400  | T    | 360      | 315 | 3580 | 2568 | 2268 | 3350 | 37.5 | 3275 | 2320 | 1357 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1667        |
| 1400  | T    | 360      | 355 | 3780 | 2568 | 2268 | 3550 | 37.5 | 3475 | 2320 | 1357 | 1944 | 150 | 89  | 2170 | 1794 | 1794 | 1686        |
| 315   | X    | 360      | 132 | 1210 | 578  | 418  | 1100 | 27.5 | 1045 | 558  | 322  | 464  | 40  | 134 | 518  | 404  | 404  | 82          |
| 315   | X    | 360      | 160 | 1360 | 578  | 418  | 1170 | 27.5 | 1115 | 558  | 322  | 464  | 40  | 134 | 518  | 404  | 404  | 85          |
| 355   | X    | 360      | 112 | 1150 | 654  | 494  | 1050 | 27.5 | 995  | 618  | 358  | 532  | 40  | 145 | 578  | 452  | 452  | 85          |
| 355   | X    | 360      | 132 | 1260 | 654  | 494  | 1180 | 27.5 | 1125 | 618  | 358  | 532  | 40  | 145 | 578  | 452  | 452  | 89          |
| 355   | X    | 360      | 160 | 1410 | 654  | 494  | 1230 | 27.5 | 1175 | 618  | 358  | 532  | 40  | 145 | 578  | 452  | 452  | 94          |
| 400   | X    | 360      | 160 | 1460 | 736  | 576  | 1300 | 27.5 | 1245 | 690  | 400  | 586  | 40  | 145 | 650  | 506  | 506  | 99          |
| 400   | X    | 360      | 180 | 1520 | 736  | 576  | 1350 | 27.5 | 1295 | 690  | 400  | 586  | 40  | 145 | 650  | 506  | 506  | 100         |
| 400   | X    | 360      | 200 | 1570 | 736  | 576  | 1450 | 27.5 | 1395 | 690  | 400  | 586  | 40  | 145 | 650  | 506  | 506  | 102         |
| 450   | X    | 360      | 180 | 1620 | 827  | 667  | 1350 | 27.5 | 1295 | 766  | 444  | 648  | 40  | 149 | 726  | 568  | 568  | 113         |
| 450   | X    | 360      | 200 | 1670 | 827  | 667  | 1450 | 27.5 | 1395 | 766  | 444  | 648  | 40  | 149 | 726  | 568  | 568  | 116         |
| 450   | X    | 360      | 225 | 1690 | 827  | 667  | 1500 | 27.5 | 1445 | 766  | 444  | 648  | 40  | 149 | 726  | 568  | 568  | 120         |
| 500   | X    | 360      | 132 | 1610 | 918  | 718  | 1330 | 37.5 | 1255 | 850  | 498  | 718  | 50  | 174 | 800  | 638  | 638  | 168         |
| 500   | X    | 360      | 160 | 1750 | 918  | 718  | 1450 | 37.5 | 1375 | 850  | 498  | 718  | 50  | 174 | 800  | 638  | 638  | 173         |
| 500   | X    | 360      | 180 | 1810 | 918  | 718  | 1450 | 37.5 | 1375 | 850  | 498  | 718  | 50  | 174 | 800  | 638  | 638  | 174         |
| 500   | X    | 360      | 200 | 1860 | 918  | 718  | 1550 | 37.5 | 1475 | 850  | 498  | 718  | 50  | 174 | 800  | 638  | 638  | 176         |
| 500   | X    | 360      | 225 | 1940 | 918  | 718  | 1600 | 37.5 | 1525 | 850  | 498  | 718  | 50  | 174 | 800  | 638  | 638  | 178         |



# Overall Fan Assembly Dimensions with Coupling Rotation 360°



Model 315-1000

Model 1120-1400

| Model | Type | Rotation | FS  | A    | B    | C    | D    | E    | F    | H    | J    | K    | L   | N   | P    | R    | Q    | Weight(kg.) |
|-------|------|----------|-----|------|------|------|------|------|------|------|------|------|-----|-----|------|------|------|-------------|
| 560   | X    | 360      | 160 | 1820 | 1030 | 830  | 1550 | 37.5 | 1475 | 942  | 552  | 814  | 50  | 162 | 892  | 714  | 714  | 220         |
| 560   | X    | 360      | 180 | 1880 | 1030 | 830  | 1550 | 37.5 | 1475 | 942  | 552  | 814  | 50  | 162 | 892  | 714  | 714  | 222         |
| 560   | X    | 360      | 200 | 1930 | 1030 | 830  | 1650 | 37.5 | 1575 | 942  | 552  | 814  | 50  | 162 | 892  | 714  | 714  | 225         |
| 560   | X    | 360      | 225 | 2010 | 1030 | 830  | 1700 | 37.5 | 1625 | 942  | 552  | 814  | 50  | 162 | 892  | 714  | 714  | 228         |
| 560   | X    | 360      | 250 | 2100 | 1030 | 830  | 1780 | 37.5 | 1705 | 942  | 552  | 814  | 50  | 162 | 892  | 714  | 714  | 232         |
| 630   | X    | 360      | 160 | 1970 | 1157 | 957  | 1650 | 37.5 | 1575 | 1048 | 614  | 900  | 50  | 193 | 998  | 800  | 800  | 273         |
| 630   | X    | 360      | 180 | 2030 | 1157 | 957  | 1650 | 37.5 | 1575 | 1048 | 614  | 900  | 50  | 193 | 998  | 800  | 800  | 276         |
| 630   | X    | 360      | 200 | 2080 | 1157 | 957  | 1750 | 37.5 | 1675 | 1048 | 614  | 900  | 50  | 193 | 998  | 800  | 800  | 279         |
| 630   | X    | 360      | 225 | 2160 | 1157 | 957  | 1800 | 37.5 | 1725 | 1048 | 614  | 900  | 50  | 193 | 998  | 800  | 800  | 282         |
| 630   | X    | 360      | 250 | 2250 | 1157 | 957  | 1930 | 37.5 | 1855 | 1048 | 614  | 900  | 50  | 193 | 998  | 800  | 800  | 286         |
| 710   | X    | 360      | 180 | 2140 | 1302 | 1022 | 1800 | 37.5 | 1725 | 1200 | 716  | 998  | 80  | 196 | 1120 | 898  | 898  | 394         |
| 710   | X    | 360      | 200 | 2190 | 1302 | 1022 | 1900 | 37.5 | 1825 | 1200 | 716  | 998  | 80  | 196 | 1120 | 898  | 898  | 398         |
| 710   | X    | 360      | 225 | 2270 | 1302 | 1022 | 1900 | 37.5 | 1825 | 1200 | 716  | 998  | 80  | 196 | 1120 | 898  | 898  | 402         |
| 710   | X    | 360      | 250 | 2350 | 1302 | 1022 | 2030 | 37.5 | 1955 | 1200 | 716  | 998  | 80  | 196 | 1120 | 898  | 898  | 409         |
| 710   | X    | 360      | 280 | 2430 | 1302 | 1022 | 2100 | 37.5 | 2025 | 1200 | 716  | 998  | 80  | 196 | 1120 | 898  | 898  | 413         |
| 800   | X    | 360      | 180 | 2240 | 1468 | 1188 | 1900 | 37.5 | 1825 | 1334 | 794  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 462         |
| 800   | X    | 360      | 200 | 2290 | 1468 | 1188 | 2000 | 37.5 | 1925 | 1334 | 794  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 467         |
| 800   | X    | 360      | 225 | 2370 | 1468 | 1188 | 2000 | 37.5 | 1925 | 1334 | 794  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 471         |
| 800   | X    | 360      | 250 | 2460 | 1468 | 1188 | 2130 | 37.5 | 2055 | 1334 | 794  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 481         |
| 800   | X    | 360      | 280 | 2530 | 1468 | 1188 | 2250 | 37.5 | 2175 | 1334 | 794  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 487         |
| 800   | X    | 360      | 315 | 2810 | 1468 | 1188 | 2400 | 37.5 | 2325 | 1334 | 794  | 1106 | 80  | 196 | 1254 | 1006 | 1006 | 508         |
| 900   | X    | 360      | 200 | 2460 | 1648 | 1368 | 2150 | 37.5 | 2075 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 460         |
| 900   | X    | 360      | 225 | 2540 | 1648 | 1368 | 2150 | 37.5 | 2075 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 465         |
| 900   | X    | 360      | 250 | 2620 | 1648 | 1368 | 2280 | 37.5 | 2205 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 474         |
| 900   | X    | 360      | 280 | 2700 | 1648 | 1368 | 2350 | 37.5 | 2275 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 480         |
| 900   | X    | 360      | 315 | 2980 | 1648 | 1368 | 2550 | 37.5 | 2475 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 504         |
| 1000  | X    | 360      | 200 | 2640 | 1810 | 1530 | 2300 | 37.5 | 2225 | 1620 | 964  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 722         |
| 1000  | X    | 360      | 225 | 2720 | 1810 | 1530 | 2300 | 37.5 | 2225 | 1620 | 964  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 728         |
| 1000  | X    | 360      | 250 | 2810 | 1810 | 1530 | 2430 | 37.5 | 2355 | 1620 | 964  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 741         |
| 1000  | X    | 360      | 280 | 2880 | 1810 | 1530 | 2550 | 37.5 | 2475 | 1620 | 964  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 749         |
| 1000  | X    | 360      | 315 | 3160 | 1810 | 1530 | 2700 | 37.5 | 2625 | 1620 | 964  | 1366 | 80  | 240 | 1540 | 1266 | 1266 | 779         |
| 1120  | X    | 360      | 225 | 2790 | 2033 | 1773 | 2500 | 37.5 | 2425 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 940         |
| 1120  | X    | 360      | 250 | 2880 | 2033 | 1773 | 2580 | 37.5 | 2505 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 947         |
| 1120  | X    | 360      | 280 | 2950 | 2033 | 1773 | 2700 | 37.5 | 2625 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 953         |
| 1120  | X    | 360      | 315 | 3230 | 2033 | 1773 | 2850 | 37.5 | 2775 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 971         |
| 1250  | X    | 360      | 250 | 3000 | 2285 | 1985 | 2830 | 37.5 | 2755 | 2080 | 1250 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1313        |
| 1250  | X    | 360      | 280 | 3070 | 2285 | 1985 | 2900 | 37.5 | 2825 | 2080 | 1250 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1320        |
| 1250  | X    | 360      | 315 | 3350 | 2285 | 1985 | 3100 | 37.5 | 3025 | 2080 | 1250 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1342        |
| 1250  | X    | 360      | 355 | 3550 | 2285 | 1985 | 3300 | 37.5 | 3225 | 2080 | 1250 | 1674 | 150 | 96  | 1930 | 1524 | 1524 | 1359        |
| 1400  | X    | 360      | 280 | 3330 | 2568 | 2268 | 3150 | 37.5 | 3075 | 2320 | 1357 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1714        |
| 1400  | X    | 360      | 315 | 3610 | 2568 | 2268 | 3350 | 37.5 | 3275 | 2320 | 1357 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1737        |
| 1400  | X    | 360      | 355 | 3810 | 2568 | 2268 | 3550 | 37.5 | 3475 | 2320 | 1357 | 1944 | 150 | 95  | 2170 | 1794 | 1794 | 1756        |
| 800   | Z    | 360      | 180 | 2240 | 1468 | 1188 | 1900 | 37.5 | 1825 | 1334 | 794  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 462         |
| 800   | Z    | 360      | 200 | 2290 | 1468 | 1188 | 2000 | 37.5 | 1925 | 1334 | 794  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 467         |
| 800   | Z    | 360      | 225 | 2370 | 1468 | 1188 | 2000 | 37.5 | 1925 | 1334 | 794  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 471         |
| 800   | Z    | 360      | 250 | 2460 | 1468 | 1188 | 2130 | 37.5 | 2055 | 1334 | 794  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 481         |
| 800   | Z    | 360      | 280 | 2530 | 1468 | 1188 | 2250 | 37.5 | 2175 | 1334 | 794  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 487         |
| 800   | Z    | 360      | 315 | 2810 | 1468 | 1188 | 2400 | 37.5 | 2325 | 1334 | 794  | 1106 | 80  | 207 | 1254 | 1006 | 1006 | 508         |
| 900   | Z    | 360      | 200 | 2460 | 1648 | 1368 | 2150 | 37.5 | 2075 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 460         |
| 900   | Z    | 360      | 225 | 2540 | 1648 | 1368 | 2150 | 37.5 | 2075 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 465         |
| 900   | Z    | 360      | 250 | 2620 | 1648 | 1368 | 2280 | 37.5 | 2205 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 474         |
| 900   | Z    | 360      | 280 | 2700 | 1648 | 1368 | 2350 | 37.5 | 2275 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 480         |
| 900   | Z    | 360      | 315 | 2980 | 1648 | 1368 | 2550 | 37.5 | 2475 | 1488 | 884  | 1230 | 80  | 215 | 1408 | 1130 | 1130 | 504         |
| 1000  | Z    | 360      | 200 | 2640 | 1810 | 1530 | 2300 | 37.5 | 2225 | 1620 | 964  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 722         |
| 1000  | Z    | 360      | 225 | 2720 | 1810 | 1530 | 2300 | 37.5 | 2225 | 1620 | 964  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 728         |
| 1000  | Z    | 360      | 250 | 2810 | 1810 | 1530 | 2430 | 37.5 | 2355 | 1620 | 964  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 741         |
| 1000  | Z    | 360      | 280 | 2880 | 1810 | 1530 | 2550 | 37.5 | 2475 | 1620 | 964  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 749         |
| 1000  | Z    | 360      | 315 | 3160 | 1810 | 1530 | 2700 | 37.5 | 2625 | 1620 | 964  | 1366 | 80  | 245 | 1540 | 1266 | 1266 | 779         |
| 1120  | Z    | 360      | 225 | 2790 | 2033 | 1773 | 2500 | 37.5 | 2425 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 940         |
| 1120  | Z    | 360      | 250 | 2880 | 2033 | 1773 | 2580 | 37.5 | 2505 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 947         |
| 1120  | Z    | 360      | 280 | 2950 | 2033 | 1773 | 2700 | 37.5 | 2625 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 953         |
| 1120  | Z    | 360      | 315 | 3230 | 2033 | 1773 | 2850 | 37.5 | 2775 | 1850 | 1097 | 1548 | 125 | 102 | 1725 | 1422 | 1422 | 971         |
| 1250  | Z    | 360      | 250 | 3000 | 2285 | 1985 | 2830 | 37.5 | 2755 | 2080 | 1250 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1313        |
| 1250  | Z    | 360      | 280 | 3070 | 2285 | 1985 | 2900 | 37.5 | 2825 | 2080 | 1250 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1320        |
| 1250  | Z    | 360      | 315 | 3350 | 2285 | 1985 | 3100 | 37.5 | 3025 | 2080 | 1250 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1342        |
| 1250  | Z    | 360      | 355 | 3550 | 2285 | 1985 | 3300 | 37.5 | 3225 | 2080 | 1250 | 1674 | 150 | 118 | 1930 | 1524 | 1524 | 1359        |
| 1400  | Z    | 360      | 280 | 3380 | 2568 | 2268 | 3200 | 37.5 | 3125 | 2320 | 1357 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1714        |
| 1400  | Z    | 360      | 315 | 3660 | 2568 | 2268 | 3400 | 37.5 | 3325 | 2320 | 1357 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1737        |
| 1400  | Z    | 360      | 355 | 3860 | 2568 | 2268 | 3600 | 37.5 | 3525 | 2320 | 1357 | 1944 | 150 | 136 | 2170 | 1794 | 1794 | 1756        |

## Operational Limits - "BDB"

| Topic                                  | Details              | Unit             | 315  | 355  | 400  | 450  | 500  | 560  | 630  | 710  | 800  | 900  | 1000 | 1120 | 1250 | 1400 | 1600 | 1800 | 2000 |
|----------------------------------------|----------------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Maximum Absorbed Power                 | S-C                  | kW               | 4    | 5    | 6    | 8    | 10   | 12   | 14   | 18   |      |      |      |      |      |      |      |      |      |
|                                        | T                    | kW               | 8    | 11   | 14   | 18   | 20   | 25   | 30   | 40   | 22   | 30   | 35   | 45   | 50   | 70   |      |      |      |
|                                        | X                    | kW               | 16   | 22   | 28   | 35   | 45   | 50   | 60   | 80   | 50   | 60   | 80   | 100  | 120  | 160  | 180  | 250  | 300  |
|                                        | Z                    | kW               |      |      |      |      |      |      |      |      | 100  | 120  | 160  | 180  | 200  | 250  | 400  | 450  | 600  |
|                                        | S2-C2                | kW               | 5    | 6.5  | 6.5  | 7.5  | 7.5  |      |      |      |      |      |      |      |      |      |      |      |      |
| Maximum Fan Speed                      | T2                   | kW               |      | 15   | 15   | 18   | 22   | 22   | 25   |      |      |      |      |      |      |      |      |      |      |
|                                        | S-C                  | rpm              | 3100 | 2700 | 2500 | 2200 | 1900 | 1700 | 1500 | 1350 |      |      |      |      |      |      |      |      |      |
|                                        | T                    | rpm              | 4100 | 3500 | 3200 | 2900 | 2500 | 2200 | 2000 | 1800 | 1200 | 1050 | 1000 | 850  | 780  | 680  |      |      |      |
|                                        | X                    | rpm              | 5100 | 4500 | 4100 | 3600 | 3200 | 2800 | 2500 | 2200 | 1600 | 1400 | 1300 | 1100 | 1000 | 900  | 750  | 680  | 600  |
|                                        | Z                    | rpm              |      |      |      |      |      |      |      |      | 2000 | 1750 | 1600 | 1400 | 1250 | 1100 | 950  | 850  | 750  |
| Temperature Range /Min.-20°C           | S2-C2                | rpm              | 2400 | 2200 | 1800 | 1600 | 1200 |      |      |      |      |      |      |      |      |      |      |      |      |
|                                        | T2                   | rpm              |      | 2800 | 2400 | 2200 | 2000 | 1550 | 1300 |      |      |      |      |      |      |      |      |      |      |
|                                        | S-C                  | Max.°C           | 85   | 85   | 85   | 85   | 85   | 85   | 85   | 85   |      |      |      |      |      |      |      |      |      |
|                                        | T-X                  | Max.°C           | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  | 100  |
|                                        | S2-C2                | Max.°C           | 85   | 85   | 85   | 85   | 85   |      |      |      |      |      |      |      |      |      |      |      |      |
| Wheel Weight ± 5%                      | T2                   | Max.°C           |      | 100  | 100  | 100  | 100  | 100  | 100  |      |      |      |      |      |      |      |      |      |      |
|                                        | Diameter             | mm               | 315  | 355  | 400  | 450  | 500  | 560  | 630  | 710  | 800  | 900  | 1000 | 1120 | 1250 | 1400 | 1600 | 1800 | 2000 |
|                                        | MS/SS                | kg               | 10   | 11   | 14   | 20   | 28   | 34   | 43   | 65   | 84   | 107  | 147  | 191  | 269  | 345  | 575  | 788  | 950  |
|                                        | Alu                  | kg               | 3    | 4    | 5    | 7    | 9    | 11   | 14   | 22   | 28   | 36   | 49   | 64   | 90   | 115  | 198  | 272  | 328  |
|                                        | J=PD <sup>2</sup> /4 | kgm <sup>2</sup> | 0.17 | 0.3  | 0.44 | 0.82 | 1.42 | 2.19 | 3.53 | 6.6  | 11.1 | 17.5 | 30   | 52   | 87   | 137  | 285  | 512  | 797  |
| Bare Fan Weight ± 5% (Wheel MS and SS) | S                    | kg               | 26   | 37   | 42   | 58   | 74   | 95   | 118  | 174  |      |      |      |      |      |      |      |      |      |
|                                        | C                    | kg               | 27   | 41   | 45   | 62   | 81   | 110  | 141  | 199  |      |      |      |      |      |      |      |      |      |
|                                        | T                    | kg               | 40   | 53   | 67   | 89   | 118  | 158  | 197  | 251  | 299  | 368  | 474  | 687  | 967  | 1362 |      |      |      |
|                                        | X                    | kg               | 49   | 65   | 82   | 94   | 124  | 166  | 212  | 271  | 323  | 397  | 512  | 755  | 1064 | 1430 | 2300 | 3150 | 3800 |
|                                        | Z                    | kg               |      |      |      |      |      |      |      |      | 485  | 595  | 768  | 1132 | 1383 | 1859 | 2500 | 3400 | 4100 |
| Bare Fan Weight ± 5% (Wheel Alu)       | S2                   | kg               | 46   | 66   | 76   | 103  | 129  |      |      |      |      |      |      |      |      |      |      |      |      |
|                                        | C2                   | kg               | 53   | 76   | 91   | 117  | 148  |      |      |      |      |      |      |      |      |      |      |      |      |
|                                        | T2                   | kg               |      | 106  | 132  | 147  | 182  | 235  | 296  |      |      |      |      |      |      |      |      |      |      |
|                                        | S                    | kg               | 20   | 30   | 34   | 46   | 57   | 74   | 90   | 133  |      |      |      |      |      |      |      |      |      |
|                                        | C                    | kg               | 21   | 34   | 37   | 50   | 64   | 89   | 113  | 158  |      |      |      |      |      |      |      |      |      |
| Bare Fan Weight ± 5% (Wheel Alu)       | T                    | kg               | 34   | 46   | 58   | 76   | 100  | 136  | 169  | 208  | 244  | 298  | 378  | 562  | 791  | 1136 |      |      |      |
|                                        | X                    | kg               | 42   | 57   | 73   | 80   | 105  | 143  | 182  | 226  | 266  | 325  | 414  | 615  | 881  | 1198 | 1917 | 2625 | 3167 |
|                                        | Z                    | kg               |      |      |      |      |      |      |      |      | 428  | 523  | 670  | 992  | 1200 | 1627 | 2083 | 2833 | 3417 |
|                                        | S2                   | kg               | 34   | 52   | 59   | 79   | 95   |      |      |      |      |      |      |      |      |      |      |      |      |
|                                        | C2                   | kg               | 40   | 61   | 73   | 90   | 111  |      |      |      |      |      |      |      |      |      |      |      |      |
|                                        | T2                   | kg               |      | 90   | 113  | 118  | 143  | 188  | 234  |      |      |      |      |      |      |      |      |      |      |

## Centrifugal Fan Ordering Information

| Fan Details                                                                        |                                                                                                                                                                                                     |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ■ Fan type                                                                         |                                                                                                                                                                                                     | <input type="checkbox"/> DIDW <input type="checkbox"/> SISW                                                                                                                                                                                              |                                                                                                                                                                                                                                  |
| ■ Impeller type                                                                    |                                                                                                                                                                                                     | <input type="checkbox"/> Forward Curved <input type="checkbox"/> Backward Curved<br><input type="checkbox"/> Others : _____ (Please State)                                                                                                               |                                                                                                                                                                                                                                  |
| ■ Model & size e.g. BDB 560 C                                                      |                                                                                                                                                                                                     | <input type="checkbox"/> Model : _____ (If known)                                                                                                                                                                                                        |                                                                                                                                                                                                                                  |
| ■ Drive type - belt, direct, coupling (if differ from standard)                    |                                                                                                                                                                                                     | <input type="checkbox"/> Belt <input type="checkbox"/> Direct <input type="checkbox"/> Coupling<br><input type="checkbox"/> Others : _____ (Please State)                                                                                                |                                                                                                                                                                                                                                  |
| ■ Arrangement (1 & 3 for bare shaft fan; 4, 8 & 12 for complete with drive system) |                                                                                                                                                                                                     | <input type="checkbox"/> Bare fan<br><input type="checkbox"/> Complete with drive system                                                                                                                                                                 |                                                                                                                                                                                                                                  |
| ■ Rotation & Discharge e.g. CCW 270                                                |                                                                                                                                                                                                     | <input type="checkbox"/> CW <input type="checkbox"/> CCW<br><input type="checkbox"/> 90 <input type="checkbox"/> 180 <input type="checkbox"/> 270 <input type="checkbox"/> 360                                                                           |                                                                                                                                                                                                                                  |
| ■ Motor position (refer to diagram) e.g. W                                         |                                                                                                                                                                                                     | <input type="checkbox"/> W <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> Z                                                                                                                                              |                                                                                                                                                                                                                                  |
| ■ Air Flow Rate                                                                    |                                                                                                                                                                                                     | Q : _____<br><input type="checkbox"/> L/S <input type="checkbox"/> m <sup>3</sup> /h <input type="checkbox"/> m <sup>3</sup> /min <input type="checkbox"/> m <sup>3</sup> /s <input type="checkbox"/> cfm                                                |                                                                                                                                                                                                                                  |
| ■ Pressure (static & total)                                                        |                                                                                                                                                                                                     | SP : _____<br>TP : _____<br><input type="checkbox"/> Pa <input type="checkbox"/> mmH <sub>2</sub> O <input type="checkbox"/> inWG                                                                                                                        |                                                                                                                                                                                                                                  |
| ■ Fan RPM (if specified)                                                           |                                                                                                                                                                                                     | Max. : _____<br>Min. : _____                                                                                                                                                                                                                             |                                                                                                                                                                                                                                  |
| ■ Noise level                                                                      |                                                                                                                                                                                                     | <input type="checkbox"/> dB <input type="checkbox"/> dBA<br>L <sub>w</sub> : _____<br>L <sub>p</sub> : _____ at Distance : _____ m<br><input type="checkbox"/> free field <input type="checkbox"/> room condition <input type="checkbox"/> corner / wall |                                                                                                                                                                                                                                  |
| ■ Ambient temperature                                                              |                                                                                                                                                                                                     | <input type="checkbox"/> Temp. : _____ °C                                                                                                                                                                                                                |                                                                                                                                                                                                                                  |
| ■ Air density, if differ from standard                                             |                                                                                                                                                                                                     | <input type="checkbox"/> Density : _____ kg/m <sup>3</sup><br><input type="checkbox"/> Altitude : _____ m                                                                                                                                                |                                                                                                                                                                                                                                  |
| Motor Details                                                                      |                                                                                                                                                                                                     | Fittings Detail                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                  |
| ■ Power                                                                            | <input type="checkbox"/> kW : _____<br><input type="checkbox"/> HP : _____                                                                                                                          | ■ Accessories                                                                                                                                                                                                                                            | <input type="checkbox"/> Inspection door<br><input type="checkbox"/> Drain plug<br><input type="checkbox"/> Flexible duct<br><input type="checkbox"/> Inlet vane control                                                         |
| ■ No. of Poles / RPM                                                               | <input type="checkbox"/> 2P <input type="checkbox"/> 4P <input type="checkbox"/> 6P <input type="checkbox"/> 8P<br><input type="checkbox"/> Others : _____<br>(pls state RPM)                       |                                                                                                                                                                                                                                                          | <input type="checkbox"/> Vibration Isolators:<br><input type="checkbox"/> Rubber <input type="checkbox"/> Spring<br><input type="checkbox"/> Floor-mount <input type="checkbox"/> Ceiling-hang                                   |
| ■ Voltage                                                                          | <input type="checkbox"/> 220V <input type="checkbox"/> 415V<br><input type="checkbox"/> 380V <input type="checkbox"/> 440V<br><input type="checkbox"/> 400V <input type="checkbox"/> Others : _____ |                                                                                                                                                                                                                                                          | <input type="checkbox"/> Silencers :<br><input type="checkbox"/> With pod <input type="checkbox"/> Without pod<br><input type="checkbox"/> Inlet <input type="checkbox"/> Outlet<br><input type="checkbox"/> Both inlet & outlet |
| ■ Phase                                                                            | <input type="checkbox"/> 1φ<br><input type="checkbox"/> 3φ                                                                                                                                          |                                                                                                                                                                                                                                                          | <input type="checkbox"/> Counter-flanges :<br><input type="checkbox"/> Flat <input type="checkbox"/> L-type <input type="checkbox"/> U-type<br><input type="checkbox"/> Inlet <input type="checkbox"/> Outlet                    |
| ■ Frequency                                                                        | <input type="checkbox"/> 50 Hz <input type="checkbox"/> 60 Hz                                                                                                                                       | Special Features                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                  |
| ■ Frame size                                                                       | <input type="checkbox"/> IEC : _____<br><input type="checkbox"/> NEMA : _____<br><input type="checkbox"/> Others : _____                                                                            | ■ Other Requirements                                                                                                                                                                                                                                     | <input type="checkbox"/> Painting<br><input type="checkbox"/> Powder coating<br><input type="checkbox"/> Hot-dipped galvanizing                                                                                                  |
| ■ Make, if specified                                                               | <input type="checkbox"/> Brand : _____<br><input type="checkbox"/> Mfr. : _____<br><input type="checkbox"/> Country : _____                                                                         |                                                                                                                                                                                                                                                          | <input type="checkbox"/> Spark-resistant<br><input type="checkbox"/> Corrosion-resistant<br><input type="checkbox"/> Heat-resistant, temp. _____ °C<br><input type="checkbox"/> Smoke Spill,<br>Max. temp. _____ °C for _____ Hr |

# KRUGER Ventilation Group

## THAILAND (Regional Head Quarter)

KRUGER VENTILATION INDUSTRIES ASIA CO. LTD.  
30/159 Moo 1, Sinsakorn Industrial Estate, Chetsadawithi Road,  
Khok Kham Mueng, Samuthsakorn 74000, Thailand  
Tel: +662 1054298 Fax: +662 0248256-9  
Website: www.krugerfan.com

## THAILAND

KRUGER VENTILATION IND. (THAILAND) CO. LTD.  
30/105 Moo 1, Sinsakorn Industrial Estate, Chetsadawithi Road,  
Khok Kham Mueng, Samuthsakorn 74000, Thailand  
Tel: +662 1050399 Fax: +662 1050370-2  
Email: mktg@kruger.co.th

## INDIA

KRUGER VENTILATION INDUSTRIES (INDIA) PVT. LTD.  
Kruger Centre, Mumbai-Nasik Highway, Kalamgaon, Shahapur,  
Thane 421601, Maharashtra, India  
Tel: +91 9960558899/9975577211  
Email: sales@krugerindia.com

## INDIA (NORTH)

KRUGER VENTILATION INDUSTRIES (INDIA) PVT. LTD.  
Khasra No. 150//20/2/1, 21/1/2, 22/2, 151//16/2/2, Village Rohad,  
Tehsil Bahadurgarh, Jhajjar, Haryana-124507, India  
Tel. +91-9958991652/9958991660/8586966303  
Fax +91-1276-278096  
Email: sales.kni@krugerindia.com , service@krugerindia.com

## KOREA

NEOMATE CO. LTD.  
2-1010, Ace High Tech City B/D, 775 Gyeongin-ro,  
Yeongdeungpo-gu, Seoul, Korea. Postal Code 07299  
Tel: +82-2-2679-2052 Fax: +82-2-2679-2174  
Email: y7890@neomate.co.kr

## SINGAPORE

KRUGER ENGINEERING PTE. LTD.  
2 Venture Drive #20-23, Vision Exchange,  
Singapore 608526.  
Tel: +65 68631191 Fax: +65 68631151  
Email: mktg@krugerfan.com

## AUSTRALIA

S&P KRUGER AUSTRALIA PTY. LTD.  
2 Cunningham St, Moorebank N.S.W. 2170  
Tel: +61 2-98227747  
Fax: +61 2-98227757  
Email: info@sandpkruger.com.au

## INDONESIA

P.T. KRUGER VENTILATION INDONESIA.  
JL. Teuku Umar No.20,  
Karawaci - Tangerang 15115, Indonesia  
Tel: +62 21-5512288/5513557 Fax: +62 21-5513502  
Email: mktg@krugerindo.co.id

## VIETNAM

KRUGER VENTILATION INDUSTRIES (VIETNAM) CO. LTD.  
Lot A7. 2-4, C2 Road, Thanh Thanh Cong IZ,  
Trang Bang Dist. Tay Ninh Province, Vietnam  
Tel: +84-276 3585200/01/02 Fax: +84-276 3585199  
Email: mktg@krugervn.com

## CHINA (GUANGZHOU)

GUANGZHOU KRUGER VENTILATION CO. LTD.  
No. 9 Huahui Road, Huashan, Huadu,  
Guangzhou, P.R. China 510880  
Tel: +86 20-66356635 Fax: +86 20-86786001/86786500  
Email: gzkruiger@krugergz.com

## CHINA (TIANJIN)

TIANJIN KRUGER VENTILATION CO. LTD.  
Jingjin Science and Technology Park  
Wuqing District, Tianjin, China  
Tel: +86 22-22143480/3481 Fax: +86 22-22143482  
Email: krugertj@krugertj.com

## CHINA (SHANGHAI)

SHANGHAI KRUGER VENTILATION CO., LTD.  
No.500 Yuanguo Road, Anting, Jiading District,  
Shanghai 201814, P.R. China  
Tel: +86 21-69573266 Fax: +86 21-69573296  
Email: shkruiger@krugerchina.com

## CHINA (WUHAN)

WUHAN KRUGER VENTILATION CO. LTD.  
No. 805, Huian Ave, Dongxihu District, Wuhan,  
Hubei, P.R. China 430040  
Tel: +86 27- 83248840/83060522/83097505  
Fax: +86 27- 83261886  
Email: whkruiger@krugerwh.com

## HONG KONG

KRUGER VENTILATION (HONG KONG) LIMITED.  
Flat C, 9/F, Yeung Yiu Chung (No.8) Industrial Building,  
20 Wang Hoi Road, Kowloon Bay, Kowloon, Hong Kong  
Tel: +852 22469182 Fax: +852 22469187  
Email: info@kruger.com.hk

## TAIPEI

KRUGER VENTILATION (TAIWAN) CO., LTD.  
No. 157, Ping-an Rd, Hengfeng Village, Dayuan Shiang  
Taoyuan County 337, Taiwan  
Tel: +886 3-3859119 Fax: +886 3-3859118  
Email: sales@krugertwn.com.tw

## MALAYSIA

KRUVENT INDUSTRIES (M) SDN. BHD.  
Lot 850, Jalan Subang 7, Taman Perindustrian Subang,  
47500, Subang Jaya, Selangor D.E.  
Tel: +603 80743399 Fax: +603 80743388  
Email: mktg@kruger.com.my

## PHILIPPINES

KRUGER M & E INDUSTRIES CORPORATION  
B3 Welborne Industrial Park Bancal Carmona Cavite  
4116, Philippines  
Tel: +63-2-7 6223260 \* +63-46 4129652  
HP: +63 925 8018444  
Email: mktg@krugerph.net



**KRUGER VENTILATION INDUSTRIES ASIA CO., LTD.**

30/159 Moo 1, Sinsakorn Industrial Estate Chetsadawithi Road,  
Khok Kham Mueng, Samuthsakorn 74000, Thailand

Tel: +662 1054298

Fax: +662 0248256-9

Website: [www.krugerfan.com](http://www.krugerfan.com)

**CNo.-CAT008.E8 October 2024**

A member of

