



## BHV-P

### CABINET FANS / METALIC FILTER / Backward Curved - Plug

#### Fan Components and Material Properties

BHV-P single suction plug fan is made of steel sheet with electrostatic paint against corrosion. 25 mm stone wool was placed between the panels. Carcass structure is made of aluminum profile. Suitable for operation at high temperatures when the motor is out of airflow.

#### Fan Structure

Fan blades are produced in aerodynamic structure to provide backward curved and regular flow. It is fan welded and electrostatic powder coated.

#### Benefits

It responds to performance and efficiency with high flow rate and pressure channel systems. The stiff body allows the fan rotor to rotate at high speeds to achieve the desired pressure and flow rates. It prevents the accumulation of foreign materials such as dust and dirt on its sparsely wings.

They provide maximum efficiency with low energy. It is acoustically insulated against sound and it has the feature of vibration-free operation. Thanks to the service cover in the construction, it provides easy intervention to maintenance and faults. It is suitable for use in oily environments due to its standard metal filter.

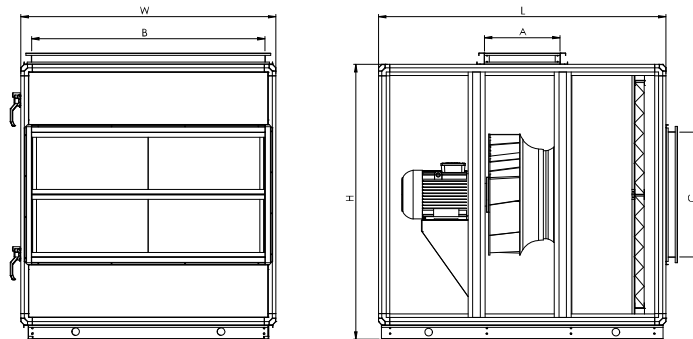
#### Speed Control

Optional control devices can be provided. Speed control can be done with frequency inverter in 3 ~ phase products. (see BSC-F accessory)

#### Usage Areas

It is used for exhausting dirty air with fine particulate powders or high oil mist concentration due to its sloped sparse blades. It is used as an fan in ducted systems with high pressure losses.

### Technical Drawing and Tables

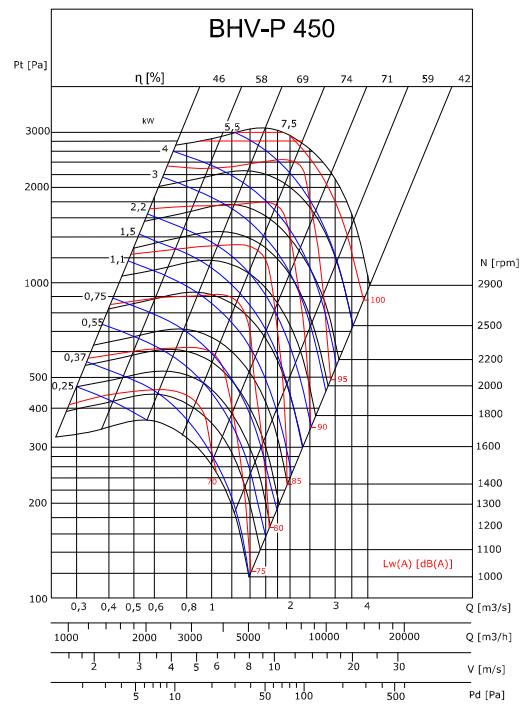
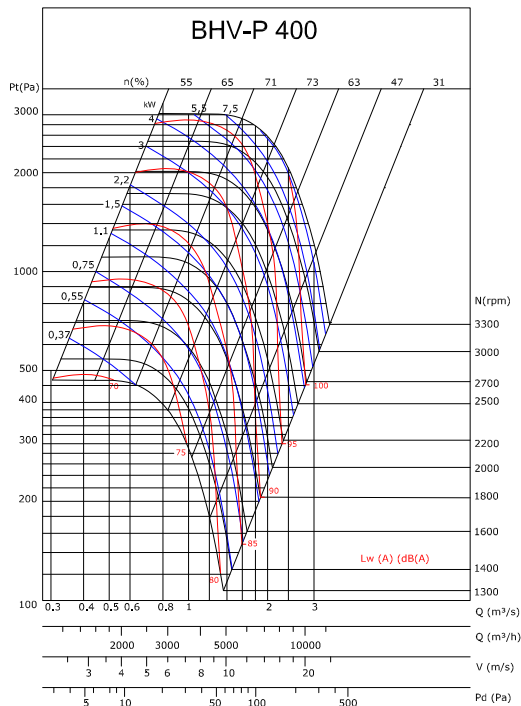
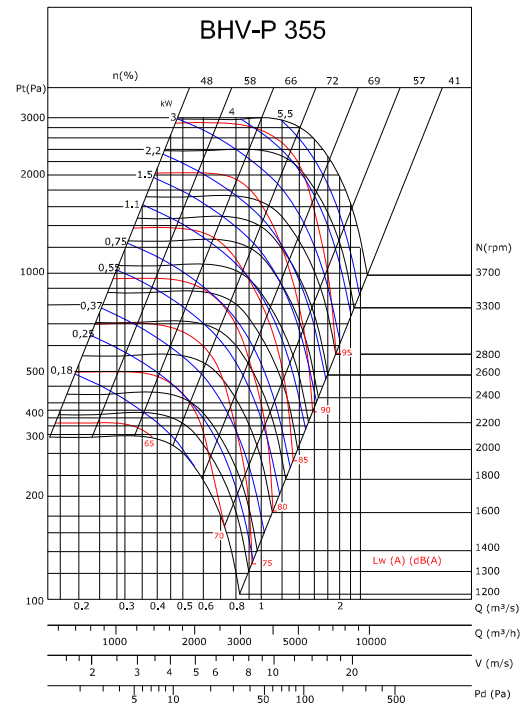
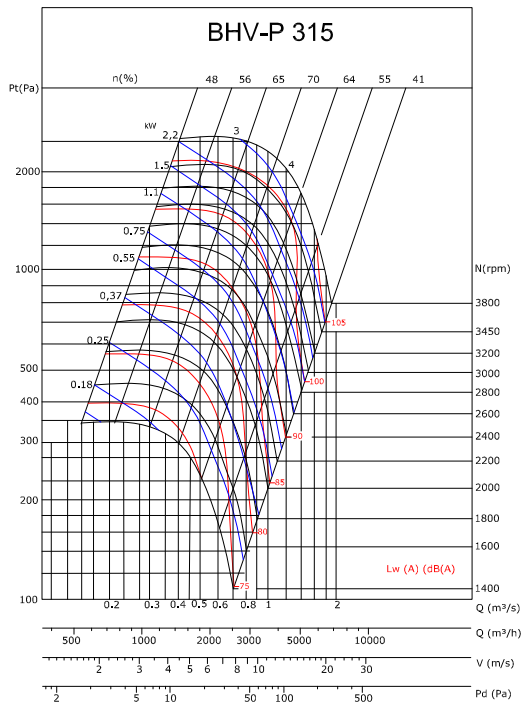


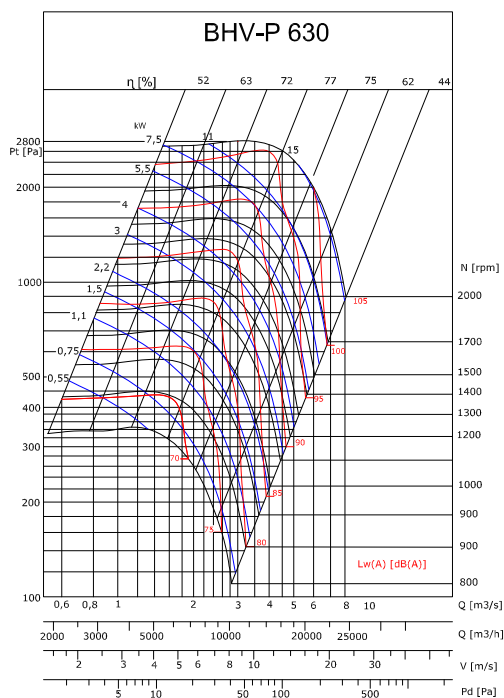
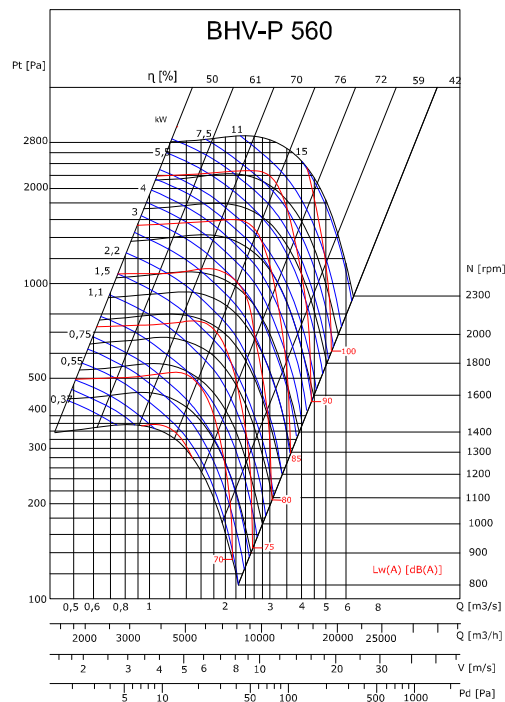
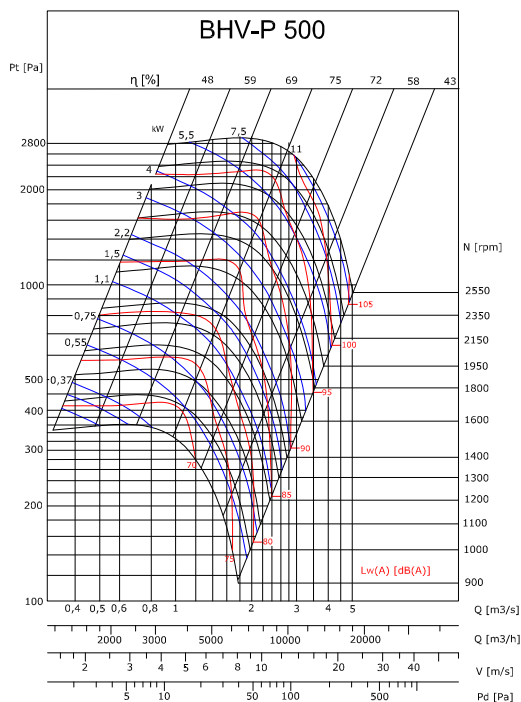
| TYPE             | H    | W    | L    | A   | B    | C   |
|------------------|------|------|------|-----|------|-----|
| BHV-P 315-0,37/4 | 800  | 725  | 1000 | 250 | 610  | 350 |
| BHV-P 315-1,5/2  | 800  | 1035 | 1000 | 250 | 920  | 350 |
| BHV-P 355-0,55/4 | 800  | 725  | 1060 | 300 | 610  | 350 |
| BHV-P 355-3/2    | 1110 | 1035 | 1200 | 300 | 920  | 450 |
| BHV-P 400-0,75/4 | 800  | 1035 | 1120 | 320 | 920  | 350 |
| BHV-P 400-5,5/2  | 1110 | 1300 | 1270 | 320 | 1190 | 450 |
| BHV-P 450-1,1/4  | 1110 | 1035 | 1220 | 350 | 920  | 450 |
| BHV-P 450-7,5/2  | 1375 | 1300 | 1400 | 350 | 1190 | 550 |
| BHV-P 500-3/4    | 1110 | 1300 | 1270 | 400 | 1190 | 450 |
| BHV-P 560-4/4    | 1375 | 1300 | 1400 | 400 | 1190 | 550 |
| BHV-P 630-5,5/4  | 1375 | 1610 | 1600 | 450 | 1190 | 660 |

Dimensions are in (mm)

| TYPE             | VOLTAGE | FREQUENCY | POWER | MOTOR SPEED | AIR FLOW          | EXTERNAL PRESSURE LOSS |
|------------------|---------|-----------|-------|-------------|-------------------|------------------------|
|                  | V       | Hz        | kW    | r.p.m       | m <sup>3</sup> /h | Pa                     |
| BHV-P 315-0,37/4 | 230-380 | 50        | 0,37  | 1450        | 2600              | 100                    |
| BHV-P 315-1,5/2  | 230-380 | 50        | 1,5   | 2800        | 5000              | 400                    |
| BHV-P 355-0,55/4 | 230-380 | 50        | 0,55  | 1450        | 3400              | 100                    |
| BHV-P 355-3/2    | 380     | 50        | 3     | 2800        | 7500              | 500                    |
| BHV-P 400-0,75/4 | 230-380 | 50        | 0,75  | 1450        | 6000              | 100                    |
| BHV-P 400-5,5/2  | 230-380 | 50        | 5,5   | 2800        | 11000             | 500                    |
| BHV-P 450-1,1/4  | 230-380 | 50        | 1,1   | 1450        | 8000              | 200                    |
| BHV-P 450-7,5/2  | 380     | 50        | 7,5   | 2800        | 15000             | 600                    |
| BHV-P 500-3/4    | 380     | 50        | 3     | 1450        | 11000             | 200                    |
| BHV-P 560-4/4    | 380     | 50        | 4     | 1450        | 15000             | 250                    |
| BHV-P 630-5,5/4  | 380     | 50        | 5,5   | 1450        | 21000             | 300                    |

Sound Level Measured from 3m distance in room condition.





### Accessories

