



## BDD

### DOUBLE INLET RADIAL FANS / Forward Curved

#### Fan Components and Material Properties

Fan Body and fan are made of high quality galvanized steel which is resistant to corrosion. DD double suction centrifugal fans operate at high efficiency. It has a self-asynchronous motor and is connected to the motor frame by steel carriers.

#### Fan Structure

Double suction, forward-curved low pressure radial type fan. The fan wheel is made of high quality galvanized steel which is resistant to corrosion and is manufactured in aerodynamic structure to ensure regular flow. Thanks to its aerodynamic wing structure, it works quietly.

#### Benefits

It produces high flow rate with its frequent wing structure. It takes less space than fans with belt-pulley mechanisms; it is easy to assemble. With the mounting legs, the air shot directions can be adjusted. Adjustable with speed control devices.

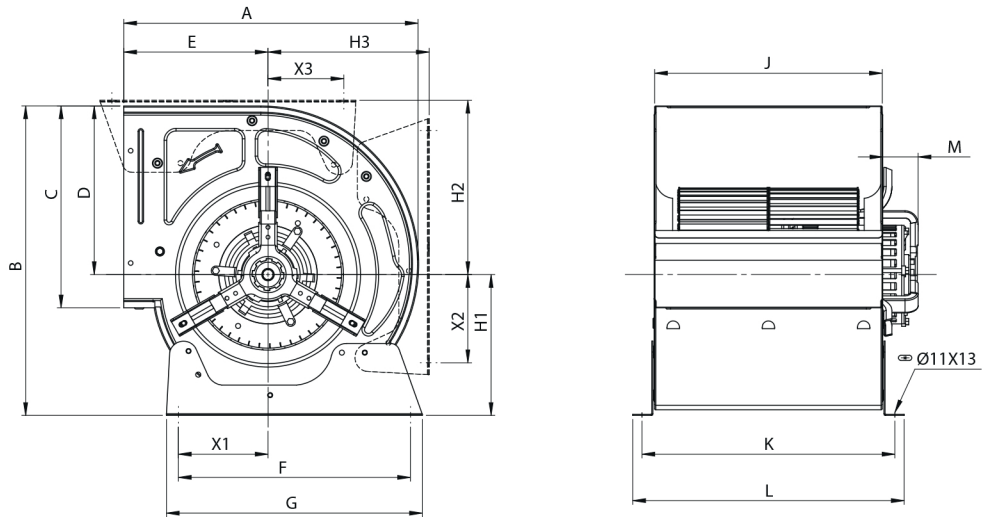
#### Speed Control

Optional control devices can be provided. 1~phase products with linear voltage regulator speed control can be done. (see BSC accessory) 3~phase products with frequency inverter speed control can be done. (see BSC-F accessory)

#### Usage Areas

Box fans, air handling units, fancoils, heat recovery devices and so on. silence, comfort and space saving is preferred.

### Technical Drawing and Tables



| TYPE      | A   | B   | C   | D   | E   | F   | G   | J   | K   | L   | M  | H1  | H2  | H3  | X1  | X2  | X3  |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| BDD 7-7   | 313 | 333 | 207 | 190 | 154 | 225 | 250 | 236 | 265 | 288 | 55 | 143 | 195 | 167 | 81  | 93  | 73  |
| BDD 9-9   | 381 | 400 | 261 | 218 | 186 | 300 | 330 | 296 | 325 | 350 | 45 | 182 | 245 | 209 | 115 | 115 | 98  |
| BDD 10-10 | 425 | 455 | 290 | 250 | 197 | 339 | 370 | 333 | 361 | 386 | 40 | 206 | 258 | 238 | 139 | 145 | 178 |
| BDD 12-12 | 490 | 535 | 336 | 292 | 229 | 410 | 440 | 398 | 429 | 454 | 35 | 243 | 292 | 270 | 152 | 140 | 186 |

| TYPE      | VOLTAGE | FREQUENCY | POWER | CURRENT | CAPACITOR | SPEED | AIR FLOW          | SOUND PRESSURE | INSULATION CLASS | PROTECTION CLASS | WEIGHT |
|-----------|---------|-----------|-------|---------|-----------|-------|-------------------|----------------|------------------|------------------|--------|
|           | V       | Hz        | W     | (A)     | (μF)      | D/dak | m <sup>3</sup> /h | dB(A)          | iz. Kl.          | IP               | kg     |
| BDD 7-7   | 230     | 50        | 147   | 2,2     | 10        | 1300  | 1800              | 60             | B                | 54               | 9      |
| BDD 9-9   | 230     | 50        | 370   | 3,6     | 20        | 1300  | 2875              | 62             | B                | 54               | 13     |
| BDD 10-10 | 230     | 50        | 600   | 4,2     | 20        | 1380  | 3425              | 66             | B                | 54               | 15     |
| BDD 12-12 | 230     | 50        | 1100  | 5,8     | 30        | 900   | 5180              | 62             | B                | 54               | 26     |

The sound level is measured at a distance of 3 m in open field condition.

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