

SDECB/Z

Centrifugal fans especially designed for extracting hot air at a max. temperature of 300 °C from extract hoods with a vertical air outlet

Especially designed for bread and pastry ovens as well as industrial ovens



- Fan:**
- Stainless steel sheet casing.
 - Forward curved impeller in galvanized sheet steel.
 - Directly coupled motor with B-5 flange.
 - With one or two cooling disk mounted on the motor shaft to dissipate the heat.

- Motor:**
- Motors with IE3 efficiency for powers equal to or greater than 0.75kW, except single-phase, 2-speed and 8-pole.
 - IP55 protection.

- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Maximum temperature of air to be carried: -25 °C +300 °C.

- Finishing:**
- Anticorrosive with temperature resistant anticaloric paint, aluminum color.

- On request:**
- Special windings for different voltages.
 - Stainless steel fan.

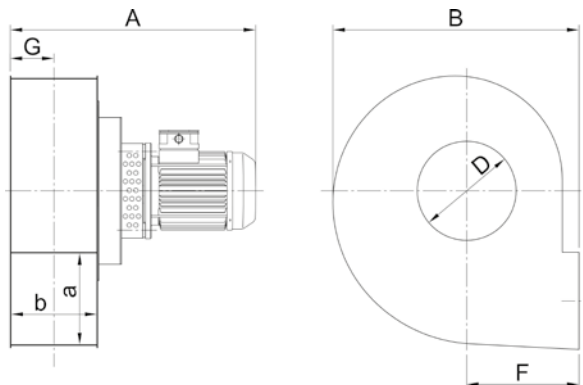
Characteristics

| MOD. | kW | r.p.m | dB | CAPACITY (m³/s) | | | | | | | | | | | | | | | | |
|---------------------|------|-------|----|--------------------------------------|------|------|------|------|-----|------|------|------|------|------|-----|------|------|-----|------|--|
| | | | | 0.016 | 0.03 | 0.05 | 0.06 | 0.08 | 0.1 | 0.11 | 0.13 | 0.15 | 0.16 | 0.18 | 0.2 | 0.23 | 0.26 | 0.3 | 0.33 | |
| | | | | TOTAL PRESSURE (mmH ₂ O) | | | | | | | | | | | | | | | | |
| SDECB/Z-160-2T-0.75 | 0.55 | 2810 | 75 | 64 | 62 | 60 | 60 | 61 | 62 | 64 | 66 | 67 | 67 | 68 | 68 | 68 | 67 | 67 | 63 | |
| SDECB/Z-160-4T-0.25 | 0.18 | 1340 | 60 | 21 | 19 | 19 | 19 | 20 | 20 | 21 | 21 | 21 | 20 | | | | | | | |

| MOD. | kW | r.p.m | dB | CAPACITY (m³/s) | | | | | | | | | | | | | | | | | |
|---------------------|------|-------|----|--------------------------------------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|
| | | | | 0.23 | 0.27 | 0.3 | 0.33 | 0.37 | 0.42 | 0.47 | 0.52 | 0.58 | 0.67 | 0.75 | 0.83 | 0.93 | 1.05 | 1.17 | 1.33 | 1.5 | 1.67 |
| | | | | TOTAL PRESSURE (mmH ₂ O) | | | | | | | | | | | | | | | | | |
| SDECB/Z-260-4T-0.75 | 0.55 | 1360 | 63 | | 42 | 44 | 45 | 45 | 46 | 45 | 42 | 40 | | | | | | | | | |
| SDECB/Z-280-4T-0.75 | 0.55 | 1360 | 64 | | 45 | 46 | 47 | 48 | 46 | 45 | 42 | 40 | | | | | | | | | |
| SDECB/Z-300-4T-0.75 | 0.55 | 1360 | 65 | | 47 | 49 | 50 | 50 | 51 | 50 | 48 | 47 | | | | | | | | | |
| SDECB/Z-330-4T-1.5 | 1.1 | 1380 | 72 | | | | | | 65 | 68 | 70 | 71 | 71 | 70 | 69 | 67 | 65 | | | | |
| SDECB/Z-380-4T-3 | 2.2 | 1410 | 73 | | | | | | | | | | 85 | 86 | 87 | 89 | 90 | 90 | 86 | 80 | |
| SDECB/Z-400-4T-4 | 3 | 1410 | 74 | | | | | | | | | | | | 90 | 90 | 92 | 95 | 96 | 100 | 95 |

Flow margin ±5% Noise level margin +3...5 db Characteristics T =15°C and 760 mmHg.

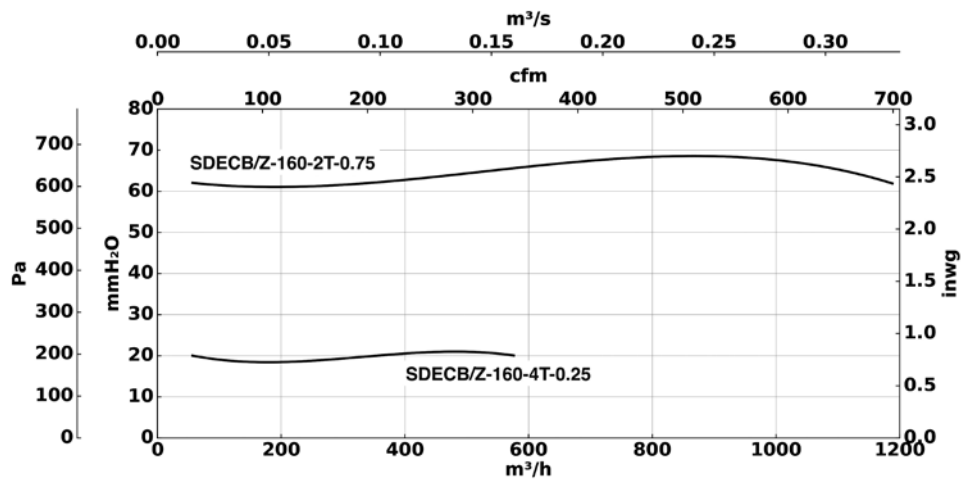
Dimensions mm



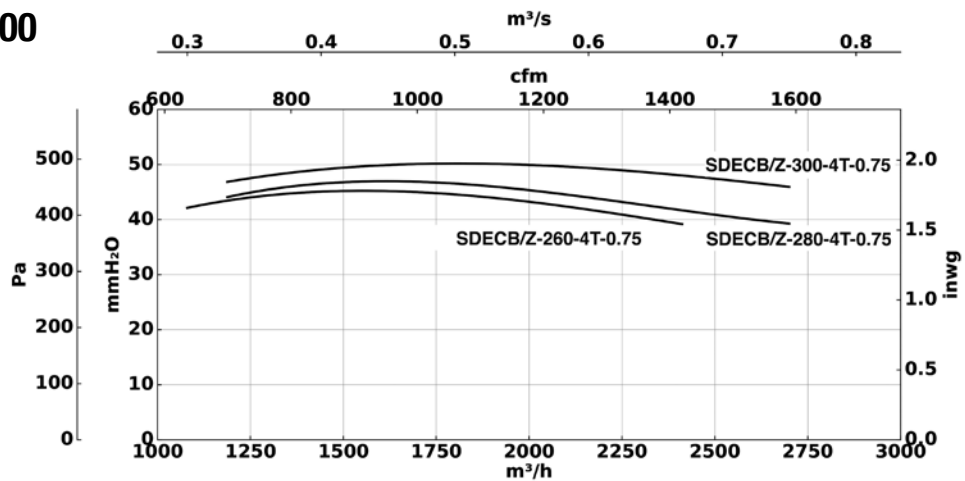
| MOD. | kW | r.p.m | A | B | F | G | D | a x b | Kg |
|---------------------|------|-------|-----|-----|-----|-----|-----|-----------|----|
| SDECB/Z-160-2T-0.75 | 0.55 | 2810 | 411 | 290 | 138 | 57 | 127 | 103 x 110 | 15 |
| SDECB/Z-160-4T-0.25 | 0.18 | 1340 | 411 | 290 | 138 | 57 | 127 | 103 x 110 | 15 |
| SDECB/Z-260-4T-0.75 | 0.55 | 1360 | 470 | 370 | 170 | 71 | 190 | 199 x 138 | 26 |
| SDECB/Z-280-4T-0.75 | 0.55 | 1360 | 470 | 434 | 170 | 72 | 215 | 210 x 140 | 29 |
| SDECB/Z-300-4T-0.75 | 0.55 | 1360 | 515 | 520 | 235 | 92 | 207 | 199 x 180 | 32 |
| SDECB/Z-330-4T-1.5 | 1.10 | 1380 | 530 | 490 | 210 | 92 | 237 | 261 x 180 | 36 |
| SDECB/Z-380-4T-3 | 2.20 | 1410 | 670 | 610 | 280 | 112 | 270 | 254 x 220 | 58 |
| SDECB/Z-400-4T-4 | 3.00 | 1410 | 700 | 670 | 300 | 112 | 300 | 280 x 240 | 73 |

Characteristic curves

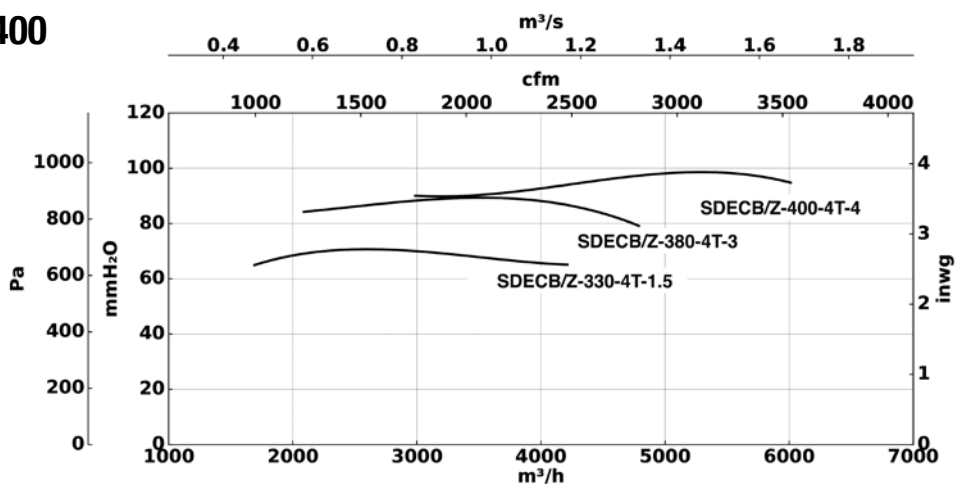
SDECB/Z 160



SDECB/Z 260...300



SDECB/Z 330...400



Total pressure

Flow margin $\pm 5\%$
 Noise level margin $+3...5$ db
 Margin of kW absorbed $\pm 3\%$