

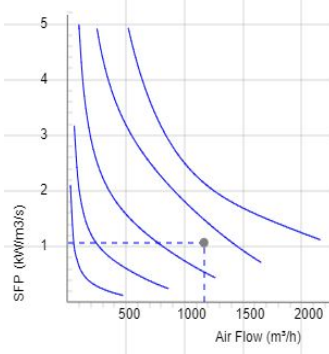
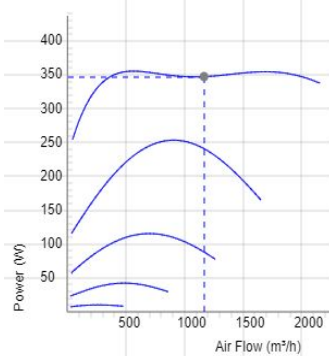
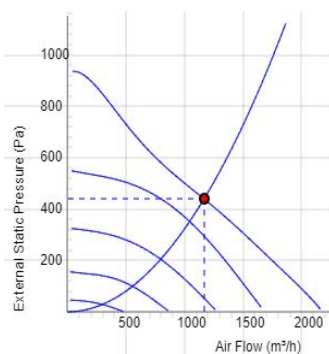


IRB 500x250 D1 EC

- Insulated duct fan.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design prioritise functionality, durability and longevity.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- A duct connected fan can be installed outside or in damp environments.

Accessories

- Speed controller MS EC
- Controller IQ-Reg EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- LDR 500x250
- Dukstos 500x250



Voltage steps

| 1 | 2 | 3 | 4 | 5 |
|----|----|----|----|-----|
| 2V | 4V | 6V | 8V | 10V |

TECHNICAL DATA

| 7880135 IRB 500x250 D1 EC-y1 | |
|-------------------------------------|----------------------|
| Voltage | 230 V |
| Phase | 1 ~ |
| Frequency | 50/60 Hz |
| Power | 354 W |
| Current | 2.71 A |
| Speed | 2850 r.p.m. |
| Max. temperature of transported air | 60 °C |
| Sound pressure level at 3 m | 49 dB(A) |
| Weight | 26.8 kg |
| Enclosure class | 44 IP |
| Insulation class, motor | F |
| Duct connection | 500x250 mm |
| Max. flow @ 0Pa | 2178.0060984171 m³/h |
| Max. pressure | 934 Pa |
| Voltage range | 200-277 V |

SOUND DATA

| | Flow (m³/h) | L _{wa} tot dB (A) | 63Hz | 125Hz | 250Hz | 500Hz | 1KHz | 2KHz | 4KHz | 8KHz |
|-----------------------------|-------------|----------------------------|------|-------|-------|-------|------|------|------|------|
| 5. Surrounding Lw dB(A) 10V | 1480 | 56 | 42 | 47 | 49 | 52 | 45 | 43 | 37 | 34 |
| 5. Outlet Lw dB(A) 10V | 1480 | 82 | 57 | 62 | 67 | 76 | 77 | 77 | 71 | 66 |
| 5. Inlet Lw dB(A) 10V | 1480 | 67 | 53 | 59 | 61 | 61 | 56 | 57 | 58 | 52 |
| 4. Inlet Lw dB(A) 8V | 1336 | 65 | 52 | 57 | 59 | 60 | 54 | 55 | 56 | 49 |
| 3. Inlet Lw dB(A) 6V | 1055 | 60 | 47 | 51 | 58 | 50 | 46 | 48 | 49 | 42 |
| 2. Inlet Lw dB(A) 4V | 760 | 57 | 44 | 44 | 56 | 40 | 37 | 38 | 39 | 29 |
| 1. Inlet Lw dB(A) 2V | 457 | 40 | 27 | 37 | 36 | 24 | 20 | 20 | 17 | 10 |

DIMENSIONS

