

# IRB 400 B1 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

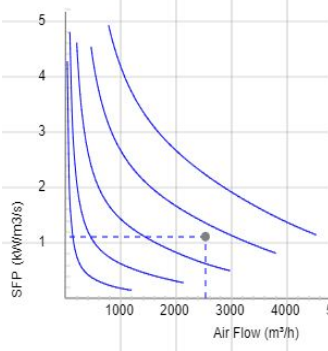
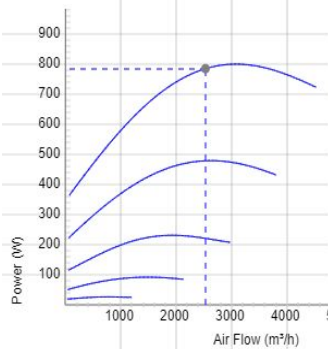
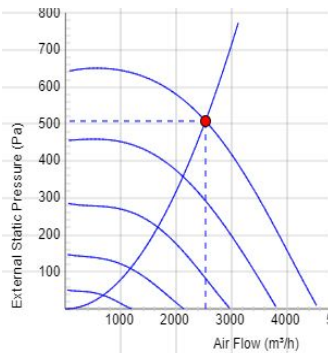
- Speed controller MS EC
- Controller IQ-Reg EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MK 400
- BSV 400
- RSK 400
- VK 400
- FLF 400
- FLK 400

### TECHNICAL DATA

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	798 W
Current	3.49 A
Speed	1510 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	59 dB(A)
Weight	55.2 kg
Enclosure class	44 IP
Insulation class, motor	F
Duct connection	400 mm
Max. flow @ 0Pa	4568.4127915558 m³/h
Max. pressure	653 Pa
Voltage range	200-277 V

### SOUND DATA

	Flow (m³/h)	L <sub>WA</sub> tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
5. Surrounding Lw dB(A) 10V	3211	65	50	57	65	48	44	38	34	31
5. Outlet Lw dB(A) 10V	3211	83	69	74	80	71	75	68	63	56
5. Inlet Lw dB(A) 10V	3211	76	68	70	73	64	58	53	49	44
4. Inlet Lw dB(A) 8V	2707	73	64	69	69	60	52	48	44	40
3. Inlet Lw dB(A) 6V	2153	67	58	65	59	50	43	40	36	33
2. Inlet Lw dB(A) 4V	1490	62	51	61	50	35	36	31	27	26
1. Inlet Lw dB(A) 2V	929	47	46	40	34	25	26	17	14	13



### Voltage steps

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

### DIMENSIONS

