

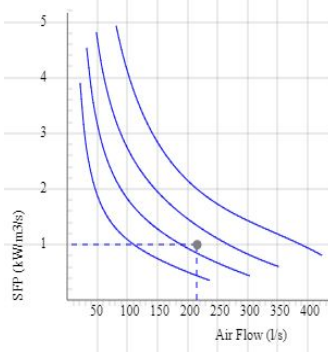
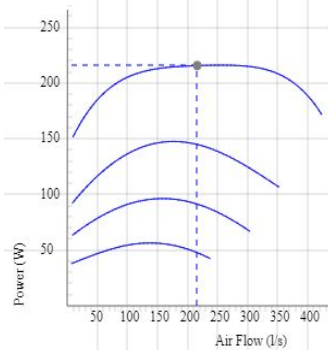
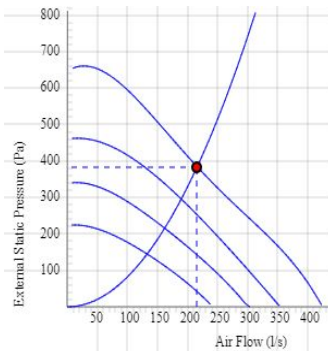


IRB 500x250 B1 EC

- Insulated duct fan with rectangular connections.
- 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

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



Voltage steps

1	2	3	4
5V	7V	8.5V	10V

TECHNICAL DATA

7880065 IRB 500x250 B1 EC	
Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	217 W
Current	0.97 A
Speed	2740 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	45 dB(A)
Weight	31.4 kg
Enclosure class	54 IP
Insulation class, motor	F
Duct connection	500x250 mm
Max. flow @ 0Pa	425 l/s
Max. pressure	658 Pa
Voltage range	200-277 V

SOUND DATA

	Flow (l/s)	L _{wa} tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
4. Surrounding Lw dB(A) 10V	268	52	37	43	45	46	45	46	39	33
4. Outlet Lw dB(A) 10V	268	76	53	57	62	71	69	72	65	61
4. Inlet Lw dB(A) 10V	268	66	58	55	56	59	59	57	54	51
3. Inlet Lw dB(A) 8.5V	228	62	48	52	53	57	56	54	51	46
2. Inlet Lw dB(A) 7V	194	59	45	49	50	53	52	50	48	40
1. Inlet Lw dB(A) 5V	162	53	41	45	48	42	45	44	43	32

DIMENSIONS

