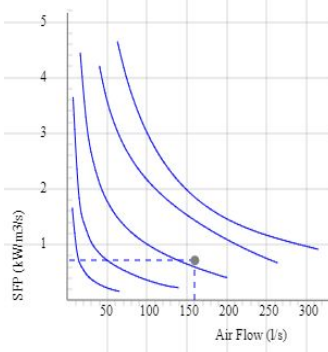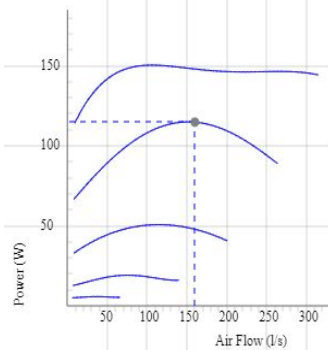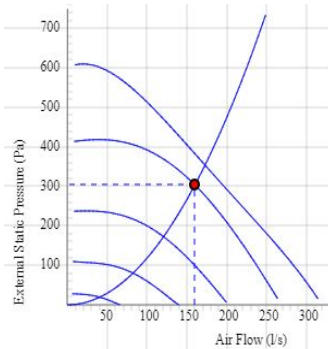# IRB 400x200 C1 EC

- 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

- Speed controller MS EC
- Controller IQ-Reg EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- Dukstos 400x200
- LDR 400x200

TECHNICAL DATA

7880127
IRB 400x200 C1 EC-y2

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	148 W
Current	1.18 A
Speed	2750 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	44 dB(A)
Weight	20.0 kg
Enclosure class	44 IP
Insulation class, motor	F
Duct connection	400x200 mm
Max. flow @ 0Pa	319 l/s
Max. pressure	614 Pa
Voltage range	200-277 V

SOUND DATA

SOUND DATA	Flow (l/s)	L_{wA} tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
5. Surrounding Lw dB(A) 10V	199	51	35	39	48	44	41	42	32	29
5. Outlet Lw dB(A) 10V	199	71	56	59	65	64	61	66	60	53
5. Inlet Lw dB(A) 10V	199	66	55	59	62	61	55	50	46	42
4. Inlet Lw dB(A) 8V	184	64	53	57	61	58	52	47	43	40
3. Inlet Lw dB(A) 6V	135	58	48	52	55	50	43	40	37	32
2. Inlet Lw dB(A) 4V	92	48	39	44	43	35	31	30	25	15
1. Inlet Lw dB(A) 2V	47	34	29	29	28	17	10	5	3	3

DIMENSIONS

Voltage steps

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