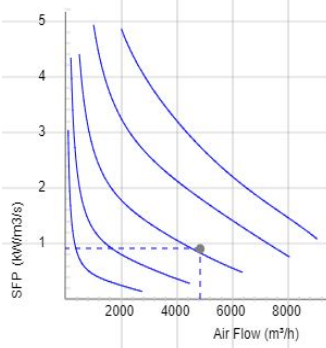
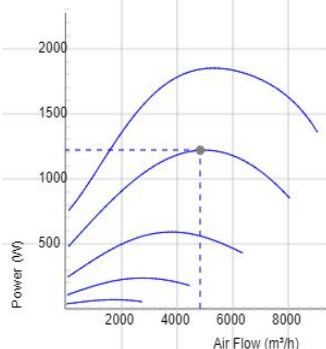
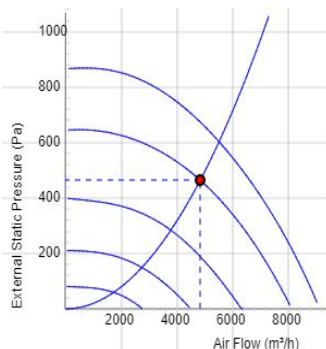


# IRB 1000x500 B3 EC

- 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
- LDR 1000x500
- Dukstos 1000x500


**Voltage steps**

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

**TECHNICAL DATA**

7890252 IRB 1000x500 B3 EC-y1	
Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	1810 W
Current	2.8 A
Speed	1540 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	60 dB(A)
Weight	92.5 kg
Enclosure class	44 IP
Insulation class, motor	F
Duct connection	1000x500 mm
Max. flow @ 0Pa	9126.0255528715 m³/h
Max. pressure	874 Pa
Voltage range	380-480 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	5620	67	48	58	65	55	55	42	40	36
5. Outlet Lw dB(A) 10V	5620	83	60	69	78	75	78	72	68	59
5. Inlet Lw dB(A) 10V	5620	71	56	62	68	62	60	61	55	50
4. Inlet Lw dB(A) 8V	4748	70	53	62	68	58	56	57	51	46
3. Inlet Lw dB(A) 6V	3701	64	48	63	54	49	50	51	44	39
2. Inlet Lw dB(A) 4V	2689	57	43	56	45	40	43	41	36	29
1. Inlet Lw dB(A) 2V	1829	43	39	38	31	28	30	28	21	17

**DIMENSIONS**
