

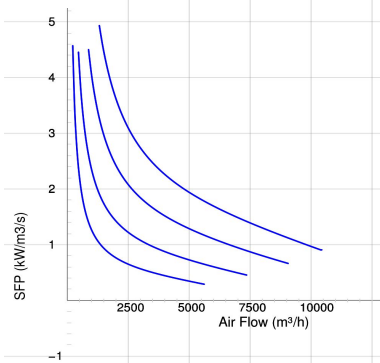
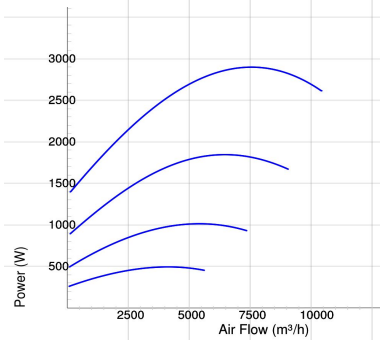
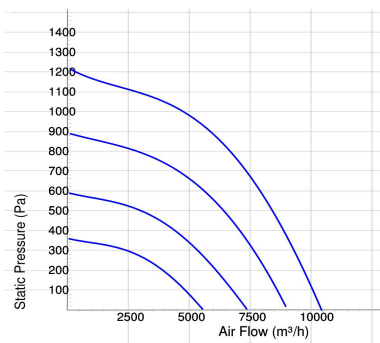
IRB 500 F3 EC

IRB EC Circular

- Insulated duct fan with circular 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 priorities 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.
- Duct connections are equipped with rubber seals.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

Accessories

- Pressure regulator CALAIR-PR-230V
- Speed controller MS EC
- Pressure regulator FKP-R
- MK 500
- BSV 500
- RSK 500
- VK 500



Voltage steps

1	2	3	4
5.5V	7V	8.5V	10V

TECHNICAL DATA

7890042 IRB 500 F3 EC	
Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	2916 W
Current	4.47 A
Speed	1620 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	66 dB(A)
Weight	111.6 kg
Enclosure class	54 IP
Insulation class, motor	F
Duct connection	500 mm
Max. flow	10426 m³/h
Max. pressure	1206 Pa
Voltage range	380-480 V

SOUND DATA

	Flow (m³/h)	L _{WA} tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
4. Surrounding Lw dB(A) 10V	8758	73	61	71	69	57	48	41	40	39
4. Outlet Lw dB(A) 10V	8758	86	73	82	79	76	77	72	69	68
4. Inlet Lw dB(A) 10V	8758	78	68	76	71	66	62	57	54	53
3. Inlet Lw dB(A) 8.5V	7509	76	65	75	66	63	57	52	49	48
2. Inlet Lw dB(A) 7V	5958	71	61	70	61	57	50	46	43	42
1. Inlet Lw dB(A) 5.5V	4539	67	61	66	55	47	42	38	37	33

DIMENSIONS

