



# IRB 160 B1 EC

- 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 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.
- Integrated motor protection.
- Junction box has enclosure class IP 54.
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- 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.
- A duct connected fan can be installed outside or in damp environments.

**Accessories**

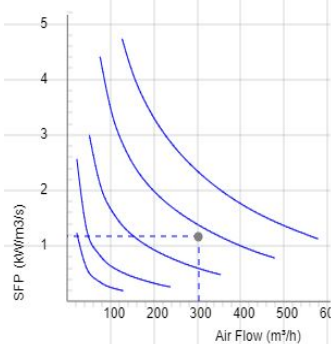
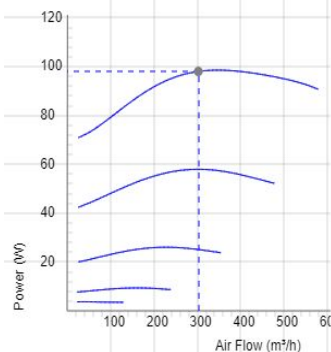
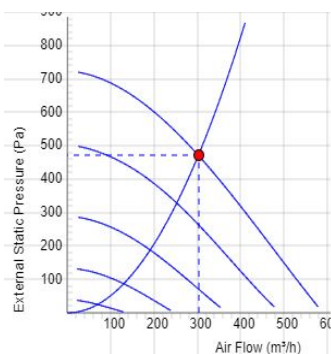
- Speed controller MS EC
- Controller IQ-Reg EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 160
- FLK 160
- FLF 160
- BSV 160
- RSK 160
- YG 160
- VK 160
- LDC 160

**7880114  
IRB 160 B1 EC-y2**
**TECHNICAL DATA**

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	98 W
Current	0.81 A
Speed	3610 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	47 dB(A)
Weight	11.4 kg
Enclosure class	44 IP
Insulation class, motor	F
Duct connection	160 mm
Max. flow @ 0Pa	590.40165312463 m³/h
Max. pressure	729 Pa

**SOUND DATA**

	Flow (m³/h)	$L_{wA}$ tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
5. Surrounding $L_w$ dB(A) 10V	313	54	38	41	46	52	40	36	33	30
5. Outlet $L_w$ dB(A) 10V	313	82	60	65	69	80	75	72	67	61
5. Inlet $L_w$ dB(A) 10V	313	65	50	60	57	61	49	51	45	40
4. Inlet $L_w$ dB(A) 8V	266	62	48	58	55	57	44	46	41	34
3. Inlet $L_w$ dB(A) 6V	202	56	43	53	52	42	37	39	32	24
2. Inlet $L_w$ dB(A) 4V	144	52	36	45	51	35	27	27	17	8
1. Inlet $L_w$ dB(A) 2V	83	37	35	33	27	20	6	8	7	5


**Voltage steps**

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

**DIMENSIONS**
