

ErP 2018

IRB 1000x500 F3 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. 1400 1200 1000 800 External Static Pressure (Pa) 600 400 200 1000 3000 Air Flow (l/s) 4000 3500 3000 2500 2000 1500 1000 500 1000 3000 2000 Air Flow (l/s) 5 4 3 2 1

Power (W)

SFP (kWlm3/s)

Voltage steps 1 2 3 4 4.5V 6.5V 8V 10V

2000

3000 Air Flow (1/s)

1000

Accessories Controller IQ-Reg EC

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
 Dukstos 1000x500
- LDR 1000x500

TECHNICAL DATA	7890032 IRB 1000x500 F3 EC
Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	3260 W
Current	4.98 A
Speed	1630 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	69 dB(A)
Weight	110.4 kg
Enclosure class	54 IP
Insulation class, motor	F
Duct connection	1000x500 mm
Max. flow @ 0Pa	3559 l/s
Max. pressure	1158 Pa
Voltage range	380-480 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	3060	76	60	74	71	62	57	56	54	48
4. Outlet Lw dB(A) 10V	3026	90	73	85	84	81	82	75	72	68
4. Inlet Lw dB(A) 10V	3050	80	66	77	73	70	67	63	60	56
3. Inlet Lw dB(A) 8V	2485	78	62	77	68	65	60	57	53	52
2. Inlet Lw dB(A) 6.5V	2017	73	59	72	62	59	52	50	48	44
1. Inlet Lw dB(A) 4.5V	1304	61	57	58	52	44	46	42	40	31

(mm)

DIMENSIONS



