

# INSULATED DUCT FAN WITH RECTANGULAR CONNECTIONS

## IRB 800x500 D3 EC

7890251

IRB 800X500 D3 EC-y1

- 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.



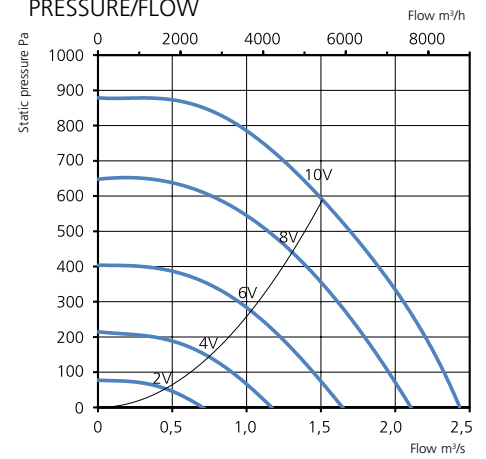
### ACCESSORIES

- Silencer LDR 800x500
- Flexible connection 800x500
- Speed controller MS EC
- Controller IQ-Reg EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R

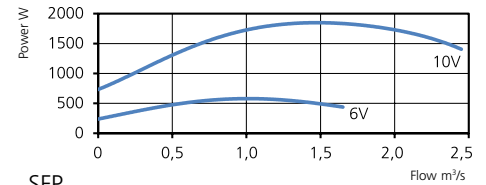
### TECHNICAL DATA

<b>Voltage</b>	400 V
<b>Frequency</b>	50/60 Hz
<b>Phase</b>	3 ~
<b>Current</b>	2.81 A
<b>Power</b>	1820 W
<b>Speed</b>	1540 r.p.m.
<b>Max. temp of transported air</b>	60 °C
<b>Sound pressure level, 3 m</b>	61 dB(A)
<b>Weight</b>	73.5 kg
<b>Enclosure class</b>	44 IP
<b>Wiring diagram</b>	4040217

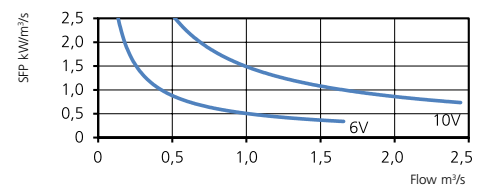
### PRESSURE/FLOW



### POWER/FLOW



### SFP



### SOUND DATA

	$L_{WA}$ tot dB (A)	63	125	250	500	1K	2K	4K	8K
<b>Surrounding 10 V</b>	68	47	57	66	54	62	48	47	45
<b>Outlet 10 V</b>	85	61	71	82	77	80	75	70	61
<b>Inlet 10 V</b>	75	61	68	73	63	64	64	59	53
<b>Inlet 8 V</b>	73	58	67	70	57	59	60	55	49
<b>Inlet 6 V</b>	68	52	67	56	49	53	53	48	42
<b>Inlet 4 V</b>	62	48	61	49	41	45	43	38	34
<b>Inlet 2 V</b>	46	43	43	35	30	33	30	24	19

### MORE INFORMATION



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### DIMENSIONS

