



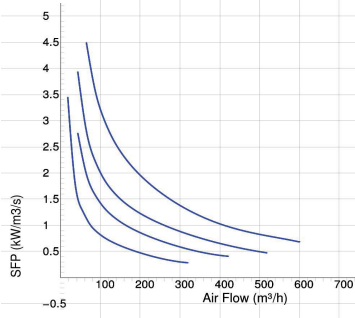
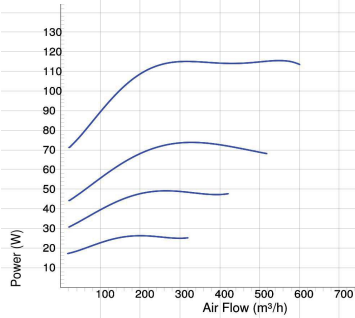
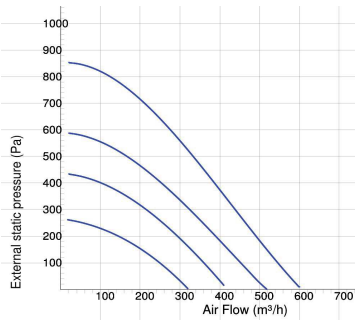
# IRB 125 B1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 125
- BSV 125
- RSK 125
- YG 125
- VK 125
- FLK 125
- FLF 125
- LDC 125



## Voltage steps

1	2	3	4
5.5V	7V	8V	10V

## TECHNICAL DATA

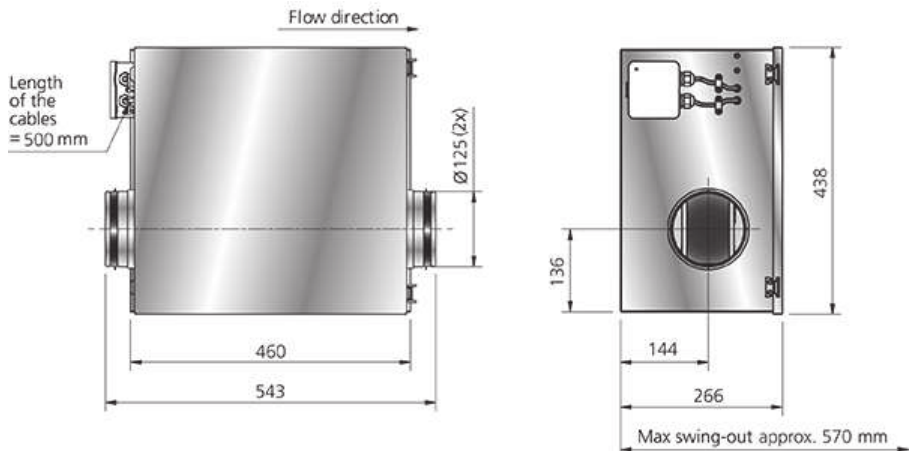
7890008  
IRB 125 B1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	116 W
Current	0.93 A
Speed	3680 r.p.m.
Max. temperature of transported air	50 °C
Sound pressure level at 3 m	47 dB(A)
Weight	11.8 kg
Enclosure class	44 IP
Insulation class, motor	F
Duct connection	125 mm
Max. flow	601 m³/h
Max. pressure	852 Pa
Voltage range	200-240 V

## SOUND DATA

	Flow (m³/h)	$L_{pA}$ tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
4. Surrounding Lw dB(A) 10V	468	55	42	46	49	51	43	38	33	30
4. Outlet Lw dB(A) 10V	468	83	67	68	72	79	75	76	71	65
4. Inlet Lw dB(A) 10V	468	63	50	60	57	54	49	49	46	37
3. Inlet Lw dB(A) 8V	392	60	53	56	54	51	45	44	41	33
2. Inlet Lw dB(A) 7V	331	56	46	53	51	45	40	40	36	27
1. Inlet Lw dB(A) 5.5V	252	53	39	48	50	38	33	33	29	17

## DIMENSIONS





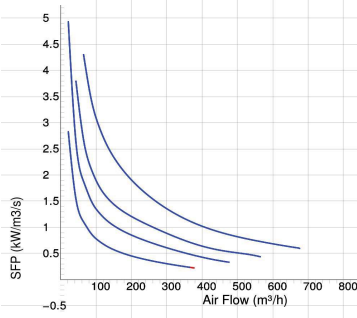
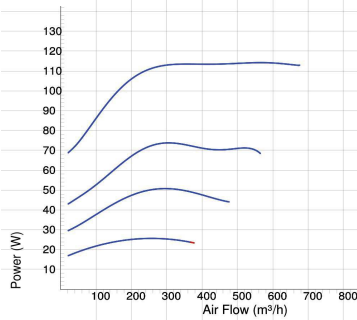
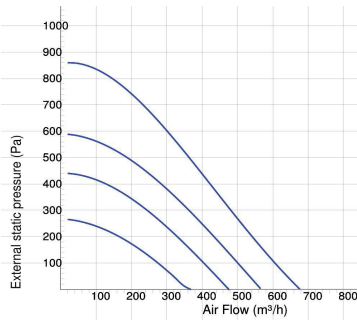
# IRB 160 B1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

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



## Voltage steps

1	2	3	4
5.5V	7V	8V	10V

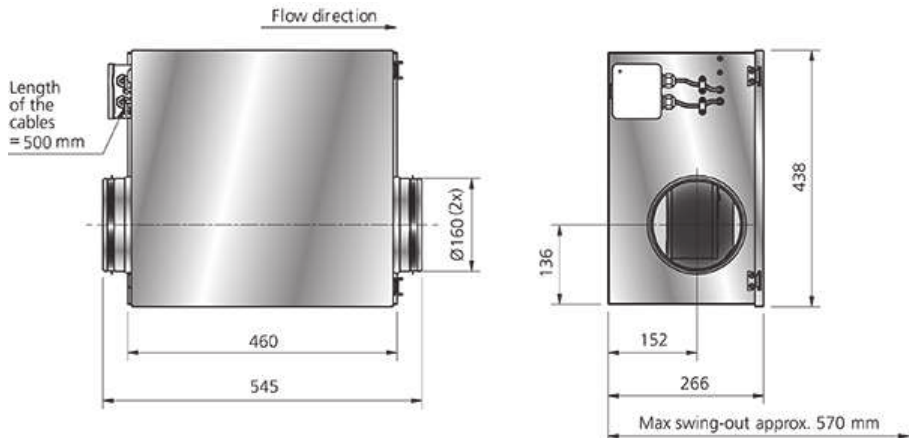
## TECHNICAL DATA

7890009 IRB 160 B1 EC	
Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	114 W
Current	0.89 A
Speed	3630 r.p.m.
Max. temperature of transported air	50 °C
Sound pressure level at 3 m	47 dB(A)
Weight	11.9 kg
Enclosure class	44 IP
Insulation class, motor	F
Duct connection	160 mm
Max. flow	677 m³/h
Max. pressure	860 Pa

## SOUND DATA

	Flow (m³/h)	$L_{wa}$ tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
4. Surrounding Lw dB(A) 10V	511	54	44	45	49	50	45	37	34	30
4. Outlet Lw dB(A) 10V	511	83	66	68	74	80	75	74	72	66
4. Inlet Lw dB(A) 10V	511	64	51	61	59	55	48	48	46	39
3. Inlet Lw dB(A) 8V	446	62	49	59	56	52	44	44	42	35
2. Inlet Lw dB(A) 7V	374	59	45	56	53	47	39	40	39	30
1. Inlet Lw dB(A) 5.5V	288	54	41	51	49	40	33	33	33	19

## DIMENSIONS





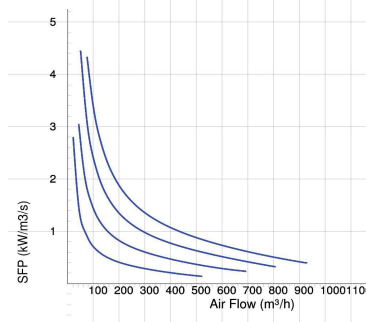
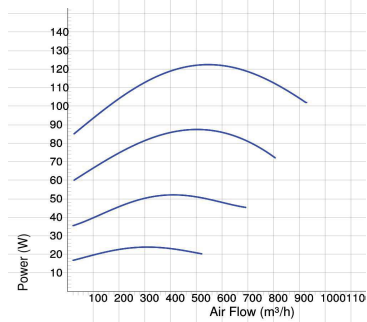
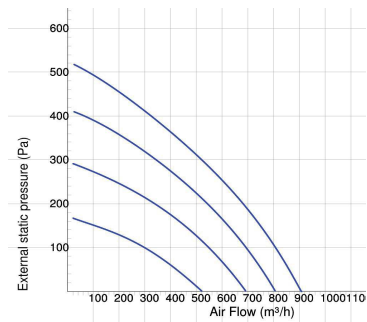
# IRB 200 A1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 200
- BSV 200
- RSK 200
- YG 200
- VK 200
- FLK 200
- FLF 200
- LDC 200



## Voltage steps

1	2	3	4
5V	7V	8V	10V

## TECHNICAL DATA

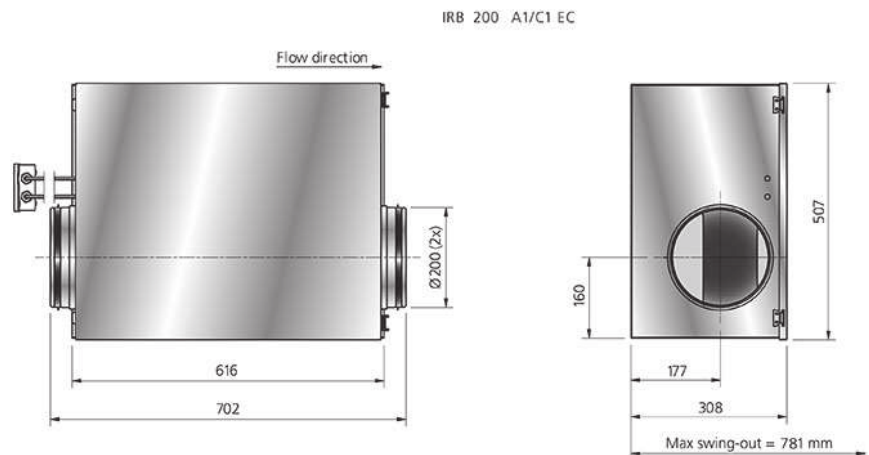
7880057  
IRB 200 A1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	121 W
Current	0.99 A
Speed	2900 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	46 dB(A)
Weight	18.6 kg
Enclosure class	54 IP
Insulation class, motor	F
Duct connection	200 mm
Max. flow	907 m³/h
Max. pressure	525 Pa
Voltage range	220-240 V

## SOUND DATA

	Flow (m³/h)	$L_{pA}$ tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
4. Surrounding Lw dB(A) 10V	526	53	36	42	52	44	39	40	39	35
4. Outlet Lw dB(A) 10V	526	72	57	63	67	64	59	65	59	51
4. Inlet Lw dB(A) 10V	526	66	55	61	63	54	51	49	47	41
3. Inlet Lw dB(A) 8V	475	64	52	59	61	50	48	46	44	38
2. Inlet Lw dB(A) 7V	403	61	50	57	59	45	44	41	39	32
1. Inlet Lw dB(A) 5V	295	56	45	52	53	38	37	33	28	20

## DIMENSIONS





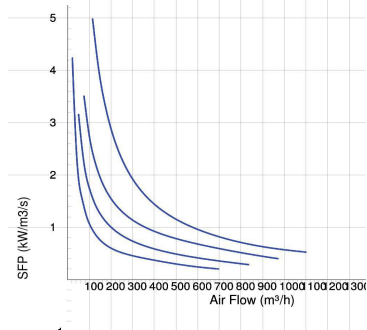
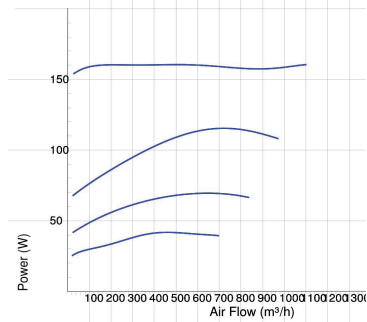
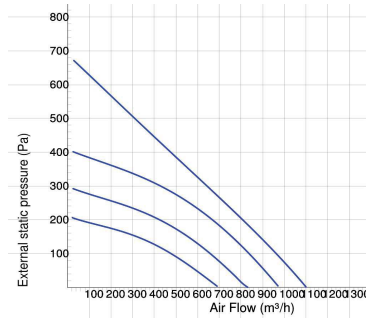
# IRB 200 C1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 200
- BSV 200
- RSK 200
- YG 200
- VK 200
- FLK 200
- FLF 200
- LDC 200



## Voltage steps

1	2	3	4
6V	7V	8V	10V

## TECHNICAL DATA

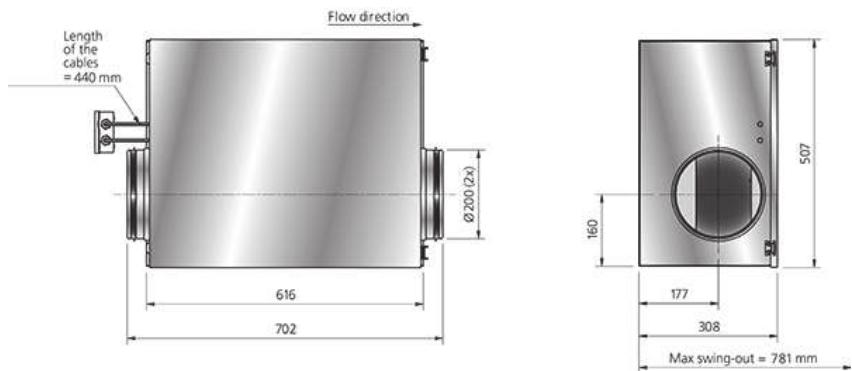
### 7880011 IRB 200 C1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	161 W
Current	1.24 A
Speed	2890 r.p.m.
Max. temperature of transported air	50 °C
Sound pressure level at 3 m	52 dB(A)
Weight	18.8 kg
Enclosure class	44 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	200 mm
Max. flow	1102 m³/h
Max. pressure	688 Pa
Voltage range	200-240 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	817	59	44	51	58	51	42	37	32	29
4. Outlet Lw dB(A) 10V	817	77	64	69	73	71	66	66	62	54
4. Inlet Lw dB(A) 10V	817	71	59	67	67	61	52	46	45	37
3. Inlet Lw dB(A) 8V	742	69	58	65	66	58	49	43	42	35
2. Inlet Lw dB(A) 7V	616	66	56	62	64	52	43	38	36	30
1. Inlet Lw dB(A) 6V	486	64	53	58	63	47	38	33	30	24

## DIMENSIONS





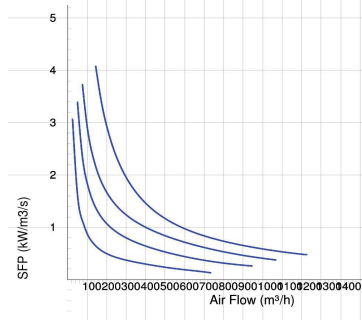
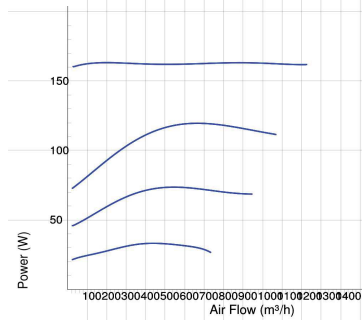
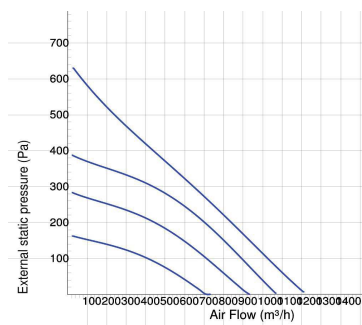
# IRB 250 A1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 250
- BSV 250
- RSK 250
- YG 250
- VK 250
- FLK 250
- FLF 250
- LDC 250



## Voltage steps

1	2	3	4
5.5V	7V	8V	10V

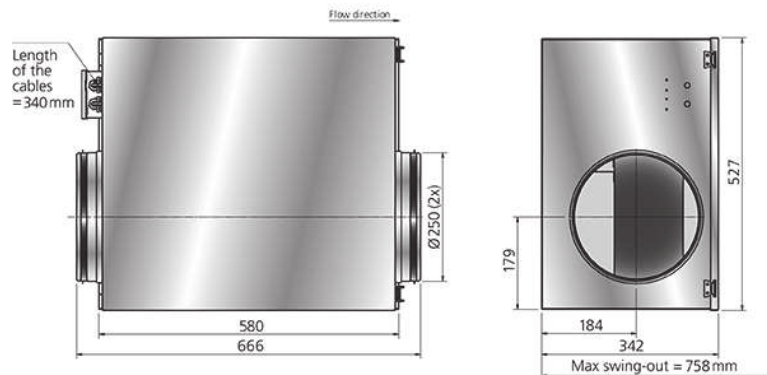
## TECHNICAL DATA

789007 IRB 250 A1 EC	
Cos	0.55
Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	163 W
Current	1.27 A
Speed	2760 r.p.m.
Max. temperature of transported air	50 °C
Sound pressure level at 3 m	53 dB(A)
Weight	17.9 kg
Enclosure class	44 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	250 mm
Max. flow	1224 m³/h
Max. pressure	645 Pa
Voltage range	200-240 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	814	60	42	49	59	50	42	37	32	29
4. Outlet Lw dB(A) 10V	814	78	63	68	74	68	68	70	64	54
4. Inlet Lw dB(A) 10V	814	70	61	64	68	57	52	51	49	40
3. Inlet Lw dB(A) 8V	738	69	57	63	67	53	50	48	47	38
2. Inlet Lw dB(A) 7V	634	65	55	60	62	48	46	44	41	32
1. Inlet Lw dB(A) 5.5V	482	61	50	54	59	42	38	36	31	21

## DIMENSIONS





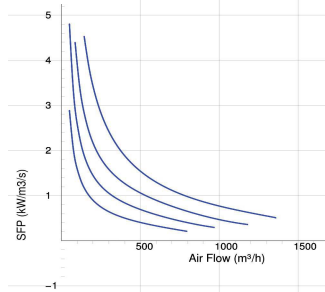
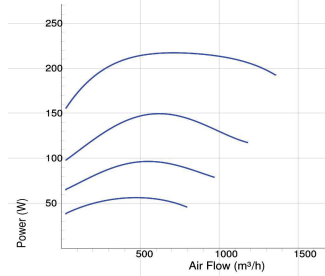
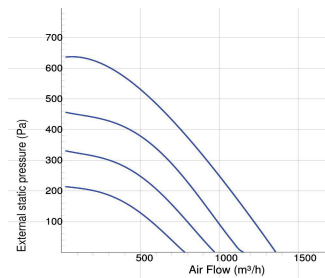
# IRB 250 B1 EC

## 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 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.
- 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
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 250
- BSV 250
- RSK 250
- YG 250
- VK 250
- FLK 250
- FLF 250
- LDC 250



## Voltage steps

1	2	3	4
5V	7V	8V	10V

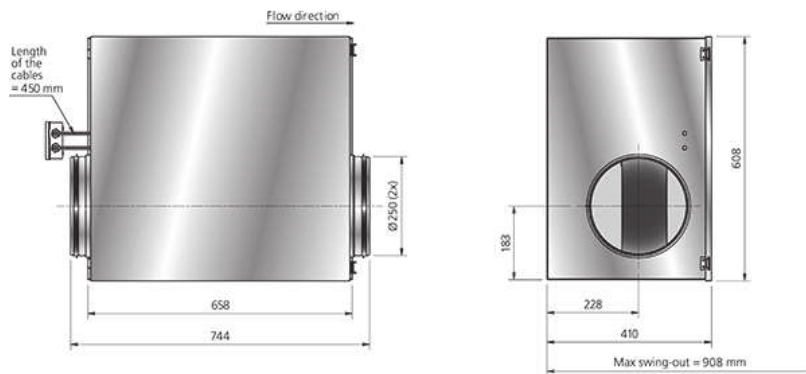
## TECHNICAL DATA

7880066 IRB 250 B1 EC	
Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	218 W
Current	0.96 A
Speed	2750 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	44 dB(A)
Weight	27 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	250 mm
Max. flow	1357 m³/h
Max. pressure	639 Pa
Voltage range	220-240 V

## SOUND DATA

	Flow (m³/h)	L <sub>WA</sub> tot dB (A)	63Hz	125Hz	250Hz	500Hz	1KHz	2KHz	4KHz	8KHz
4. Surrounding Lw dB(A) 10V	839	51	37	40	47	46	41	38	36	32
4. Outlet Lw dB(A) 10V	839	76	59	60	62	69	68	71	66	62
4. Inlet Lw dB(A) 10V	839	63	58	58	55	53	51	49	49	44
3. Inlet Lw dB(A) 8V	738	59	53	54	52	50	48	45	46	40
2. Inlet Lw dB(A) 7V	619	56	49	51	49	47	44	41	42	36
1. Inlet Lw dB(A) 5V	486	52	45	47	47	37	38	35	37	29

## DIMENSIONS





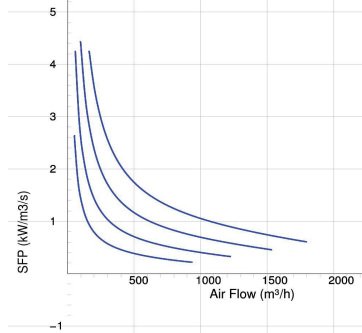
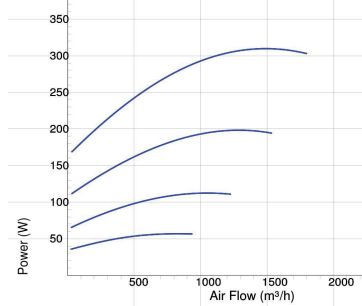
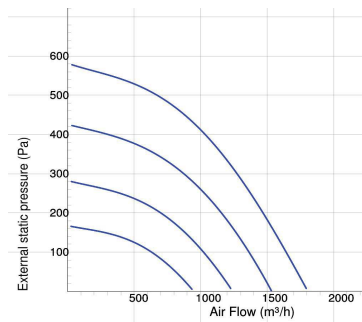
# IRB 250 E1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 250
- BSV 250
- RSK 250
- YG 250
- VK 250
- FLK 250
- FLF 250
- LDC 250



## Voltage steps

1	2	3	4
5V	7V	8V	10V

## TECHNICAL DATA

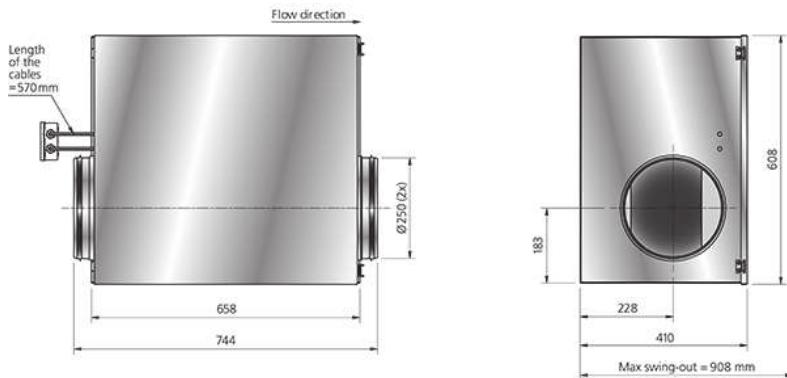
### 7880013 IRB 250 E1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	311 W
Current	1.37 A
Speed	2020 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	60 dB(A)
Weight	34 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	250 mm
Max. flow	1807 m³/h
Max. pressure	579 Pa
Voltage range	200-277 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	1609	67	53	54	67	49	39	38	30	28
4. Outlet Lw dB(A) 10V	1609	80	68	71	79	69	65	61	58	57
4. Inlet Lw dB(A) 10V	1390	72	62	66	71	52	45	45	42	42
3. Inlet Lw dB(A) 8V	1188	67	59	64	62	47	40	40	38	37
2. Inlet Lw dB(A) 7V	961	63	55	61	55	41	34	34	33	32
1. Inlet Lw dB(A) 5V	745	58	50	56	47	33	27	26	28	22

## DIMENSIONS





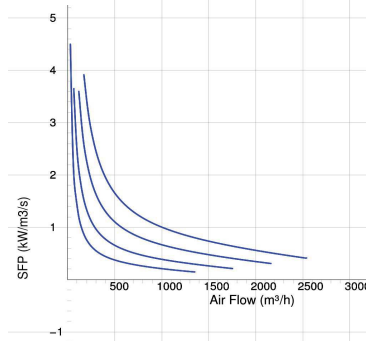
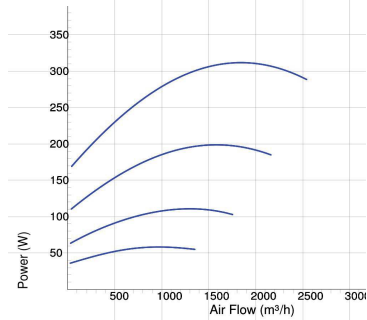
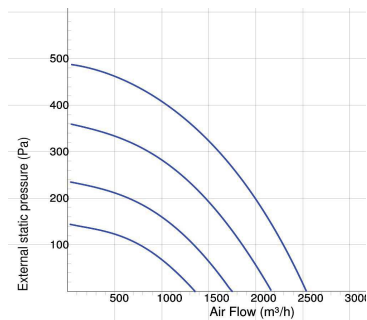
# IRB 315 A1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 315
- BSV 315
- RSK 315
- YG 315
- VK 315
- FLK 315
- FLF 315
- LDC 315



## Voltage steps

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

## TECHNICAL DATA

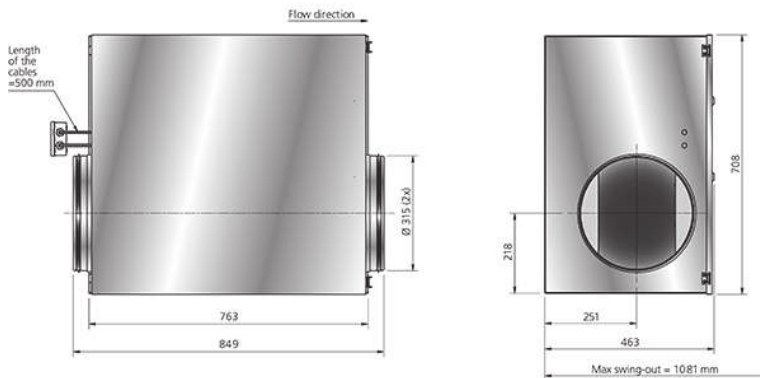
7890044  
IRB 315 A1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	311 W
Current	1.36 A
Speed	1650 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	53 dB(A)
Weight	49.4 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	315 mm
Max. flow	2538 m³/h
Max. pressure	487 Pa
Voltage range	200-277 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	2012	60	43	57	57	44	34	30	27	27
4. Outlet Lw dB(A) 10V	2012	77	64	75	72	62	61	57	55	53
4. Inlet Lw dB(A) 10V	2012	70	58	67	64	50	41	40	39	37
3. Inlet Lw dB(A) 8.5V	1670	66	56	65	59	45	36	36	36	33
2. Inlet Lw dB(A) 7V	1328	62	52	61	53	37	30	31	32	27
1. Inlet Lw dB(A) 5.5V	1033	57	52	56	46	30	24	27	27	19

## DIMENSIONS







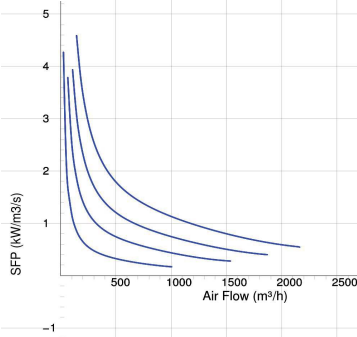
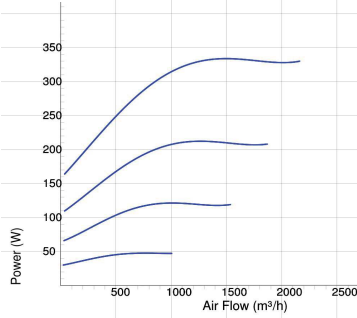
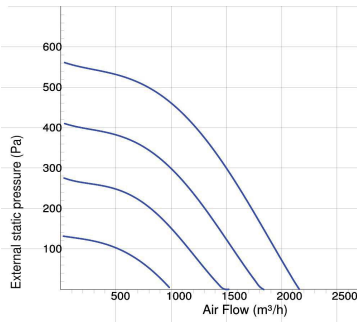
# IRB 315 SA1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 315
- BSV 315
- RSK 315
- YG 315
- VK 315
- FLK 315
- FLF 315
- LDC 315



## Voltage steps

1	2	3	4
5V	7V	8.5V	10V

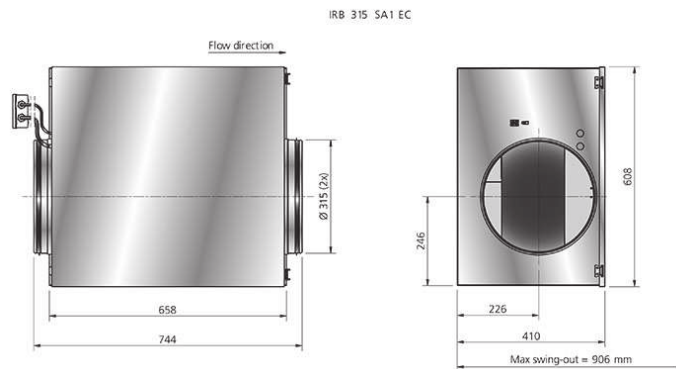
## TECHNICAL DATA

7880058 IRB 315 SA1 EC	
Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	333 W
Current	1.47 A
Speed	2020 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	56 dB(A)
Weight	33.7 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	315 mm
Max. flow	2160 m³/h
Max. pressure	563 Pa
Voltage range	200-277 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	1357	63	47	53	62	51	41	39	39	35
4. Outlet Lw dB(A) 10V	1357	80	65	71	78	67	65	61	57	55
4. Inlet Lw dB(A) 10V	1505	74	65	70	71	55	49	51	47	45
3. Inlet Lw dB(A) 8.5V	1145	70	61	67	66	49	44	46	42	40
2. Inlet Lw dB(A) 7V	954	66	58	63	59	47	38	40	38	32
1. Inlet Lw dB(A) 5V	662	57	52	54	48	32	32	30	28	19

## DIMENSIONS





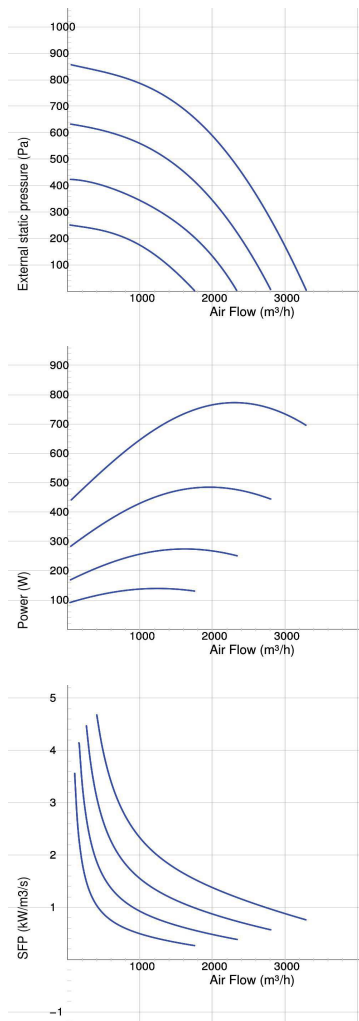
# IRB 315 B1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 315
- BSV 315
- RSK 315
- YG 315
- VK 315
- FLK 315
- FLF 315
- LDC 315



## Voltage steps

1	2	3	4
5V	7V	8V	10V

## TECHNICAL DATA

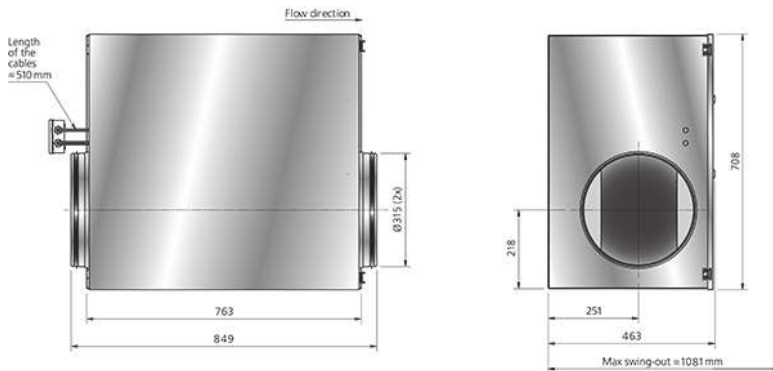
**7890034  
IRB 315 B1 EC**

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	777 W
Current	3.57 A
Speed	2200 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	65 dB(A)
Weight	46.3 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	315 mm
Max. flow	3481 m³/h
Max. pressure	856 Pa
Voltage range	200-277 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	2581	72	52	57	72	51	43	41	37	32
4. Outlet Lw dB(A) 10V	2581	83	68	73	81	71	70	68	64	59
4. Inlet Lw dB(A) 10V	2581	76	64	68	74	57	50	49	45	43
3. Inlet Lw dB(A) 8V	2225	76	61	66	75	52	44	44	41	38
2. Inlet Lw dB(A) 7V	1807	67	57	64	62	46	39	38	35	33
1. Inlet Lw dB(A) 5V	1332	62	52	61	53	37	42	32	29	26

## DIMENSIONS





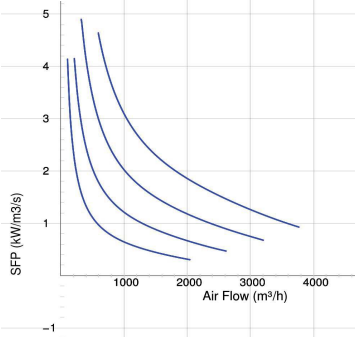
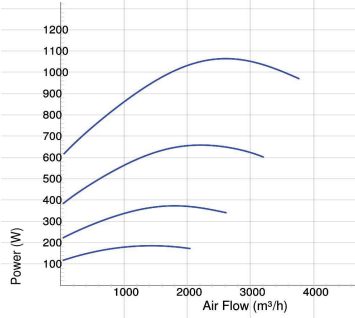
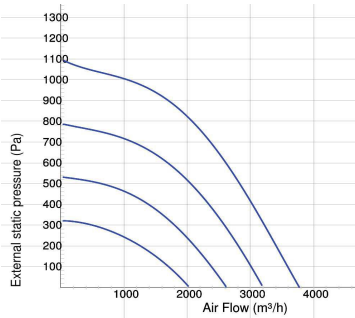
# IRB 315 E3 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 315
- BSV 315
- RSK 315
- YG 315
- VK 315
- FLK 315
- FLF 315
- LDC 315



## Voltage steps

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

## TECHNICAL DATA

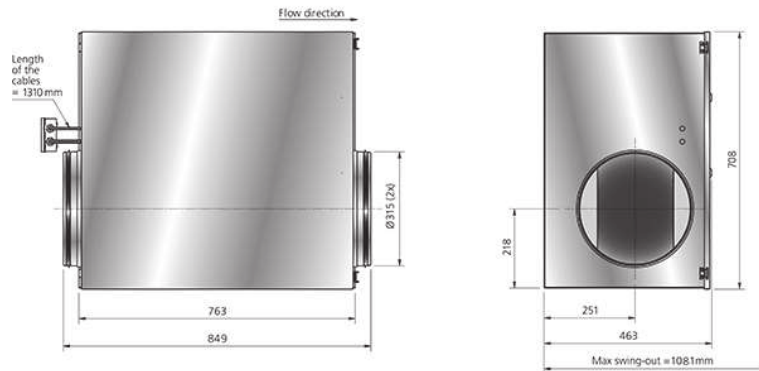
7890035  
IRB 315 E3 EC

Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	1070 W
Current	1.67 A
Speed	2500 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	64 dB(A)
Weight	46.3 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	315 mm
Max. flow	3773 m³/h
Max. pressure	1092 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	3020	71	56	59	70	55	48	41	38	34
4. Outlet Lw dB(A) 10V	3020	85	72	77	82	76	76	72	68	64
4. Inlet Lw dB(A) 10V	2743	76	66	71	73	61	54	53	48	46
3. Inlet Lw dB(A) 8.5V	2599	77	64	70	75	58	50	50	45	44
2. Inlet Lw dB(A) 7V	2185	72	60	70	68	51	44	44	39	37
1. Inlet Lw dB(A) 5.5V	1696	65	55	64	57	43	37	36	33	28

## DIMENSIONS





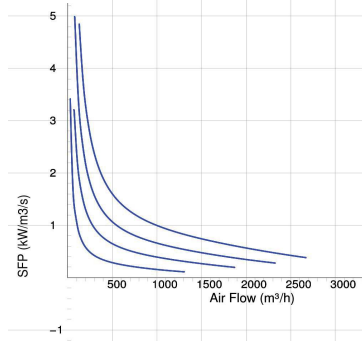
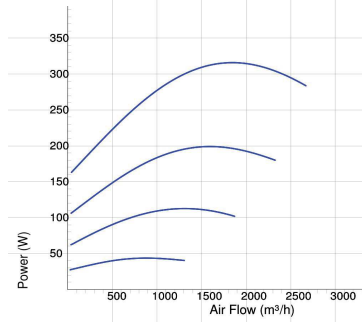
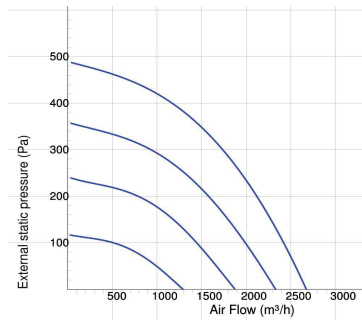
# IRB 355 A1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 355
- BSV 355
- RSK 355
- VK 355



## Voltage steps

1	2	3	4
5V	7V	8.5V	10V

## TECHNICAL DATA

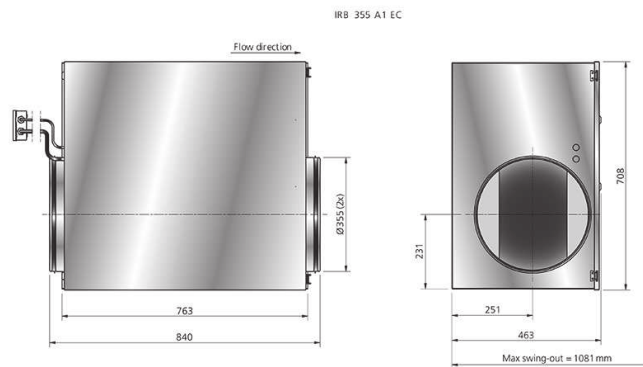
### 7890186 IRB 355 A1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	316 W
Current	1.39 A
Speed	1650 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	52 dB(A)
Weight	36.8 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	355 mm
Max. flow	2675 m³/h
Max. pressure	486 Pa
Voltage range	200-277 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	1750	59	43	53	58	45	38	37	36	32
4. Outlet Lw dB(A) 10V	1750	75	60	72	70	62	59	57	53	50
4. Inlet Lw dB(A) 10V	1750	70	59	69	64	50	44	45	41	41
3. Inlet Lw dB(A) 8.5V	1498	68	57	67	59	44	39	41	37	36
2. Inlet Lw dB(A) 7V	1235	62	54	61	52	37	34	35	34	27
1. Inlet Lw dB(A) 5V	860	52	47	49	41	27	25	30	24	15

## DIMENSIONS





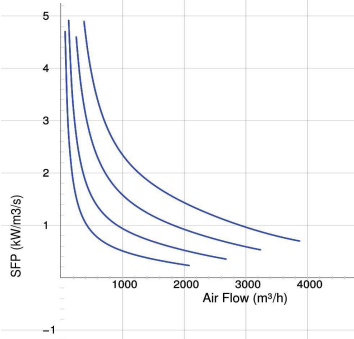
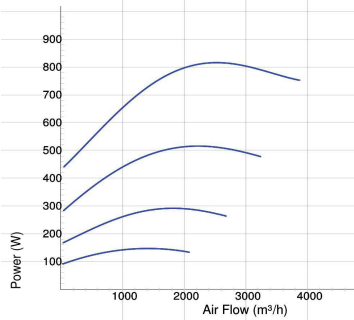
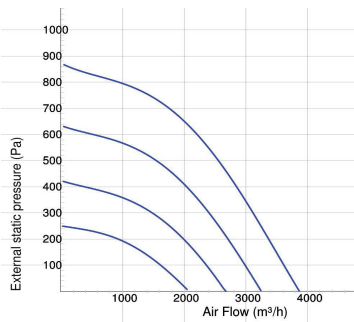
# IRB 355 B1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 355
- BSV 355
- RSK 355
- VK 355



## Voltage steps

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

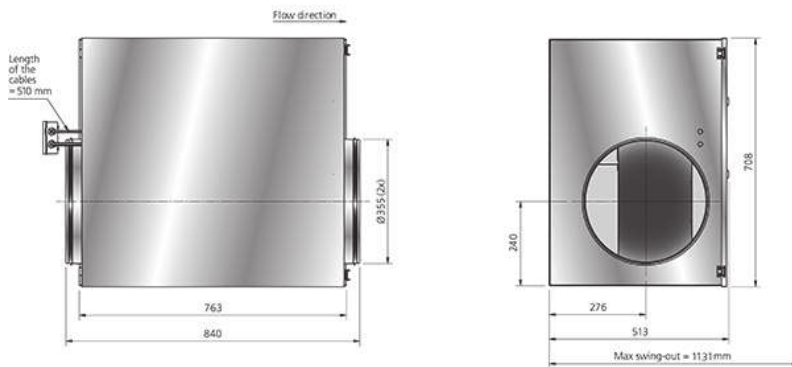
## TECHNICAL DATA

7890036 IRB 355 B1 EC	
Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	816 W
Current	3.73 A
Speed	2200 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	64 dB(A)
Weight	48 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	355 mm
Max. flow	3866 m³/h
Max. pressure	863 Pa
Voltage range	200-277 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	2581	71	51	56	70	52	44	42	39	34
4. Outlet Lw dB(A) 10V	2869	83	66	73	81	73	73	68	64	67
4. Inlet Lw dB(A) 10V	2869	77	65	69	76	59	52	49	46	47
3. Inlet Lw dB(A) 8.5V	2484	76	62	67	75	54	46	44	41	42
2. Inlet Lw dB(A) 7V	2002	69	57	67	62	47	40	38	36	36
1. Inlet Lw dB(A) 5.5V	1570	64	52	63	55	38	38	32	33	29

## DIMENSIONS





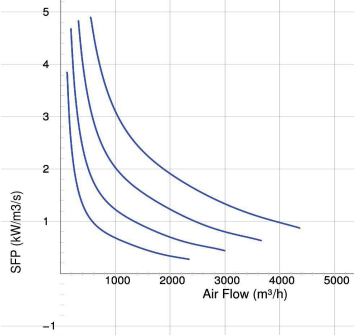
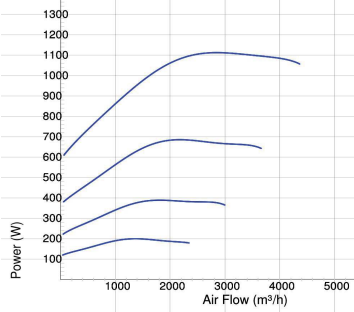
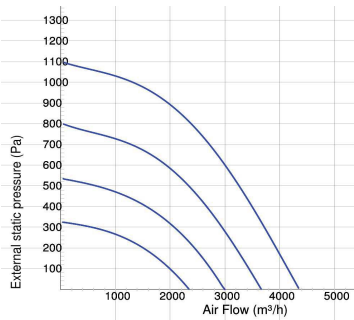
# IRB 355 E3 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- MK 355
- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- BSV 355
- RSK 355
- VK 355



## Voltage steps

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

## TECHNICAL DATA

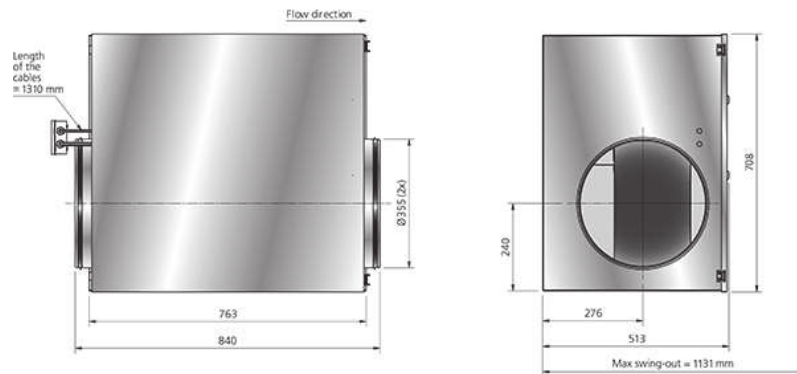
7890037  
IRB 355 E3 EC

Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	1120 W
Current	1.74 A
Speed	2500 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	65 dB(A)
Weight	48 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	355 mm
Max. flow	4356 m³/h
Max. pressure	1096 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	3456	72	52	59	72	57	52	45	39	34
4. Outlet Lw dB(A) 10V	3456	87	72	77	84	78	77	72	68	72
4. Inlet Lw dB(A) 10V	3456	77	68	72	75	64	58	53	50	53
3. Inlet Lw dB(A) 8.5V	2970	78	64	69	77	59	52	49	45	49
2. Inlet Lw dB(A) 7V	2470	72	60	68	68	53	45	45	39	42
1. Inlet Lw dB(A) 5.5V	1926	66	55	65	58	44	36	34	37	32

## DIMENSIONS





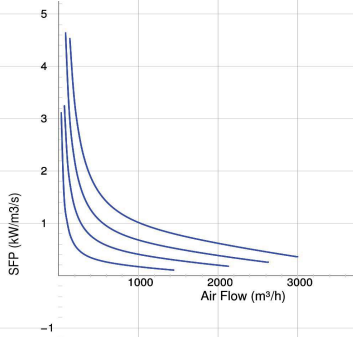
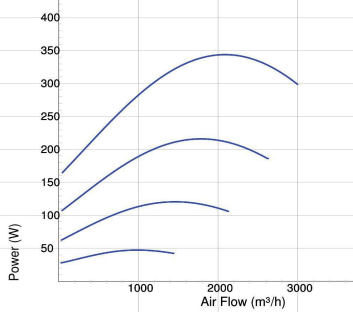
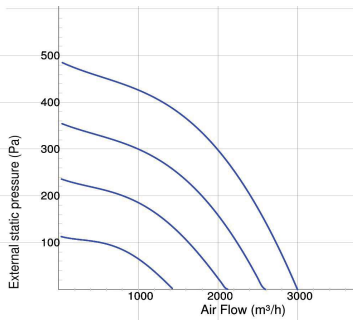
# IRB 400 A1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MB Universal
- MK 400
- BSV 400
- RSK 400
- VK 400
- FLK 400
- FLF 400



## Voltage steps

1	2	3	4
5V	7V	8.5V	10V

## TECHNICAL DATA

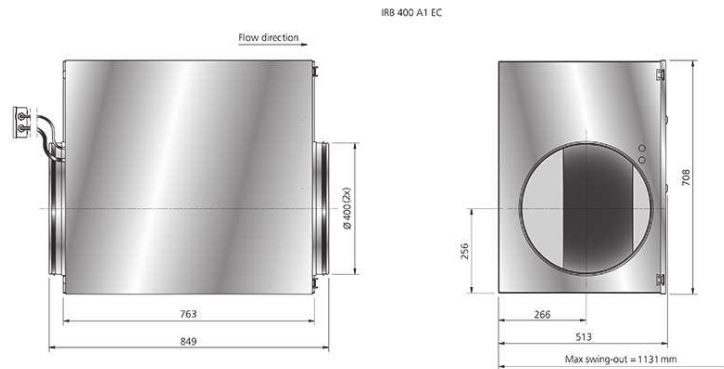
### 7890187 IRB 400 A1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	340 W
Current	1.5 A
Speed	1650 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	54 dB(A)
Weight	45.2 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	400 mm
Max. flow	2995 m³/h
Max. pressure	482 Pa
Voltage range	200-277 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	1980	61	43	53	60	45	38	37	36	33
4. Outlet Lw dB(A) 10V	1980	77	61	74	72	63	65	60	57	57
4. Inlet Lw dB(A) 10V	1980	74	60	71	69	53	48	48	45	45
3. Inlet Lw dB(A) 8.5V	1685	70	58	69	63	50	43	43	42	40
2. Inlet Lw dB(A) 7V	1343	64	54	63	55	40	37	38	39	31
1. Inlet Lw dB(A) 5V	961	54	50	51	44	28	28	31	32	16

## DIMENSIONS





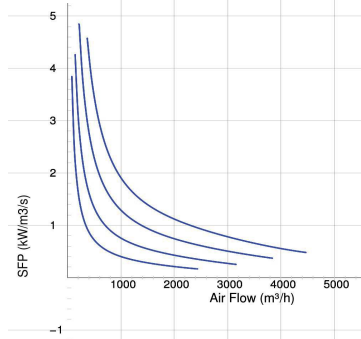
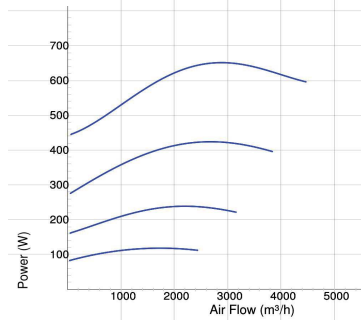
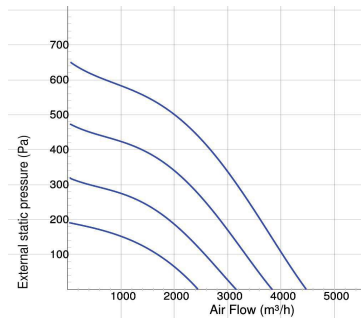
# IRB 400 B1 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MK 400
- BSV 400
- RSK 400
- VK 400
- FLK 400
- FLF 400



## Voltage steps

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

## TECHNICAL DATA

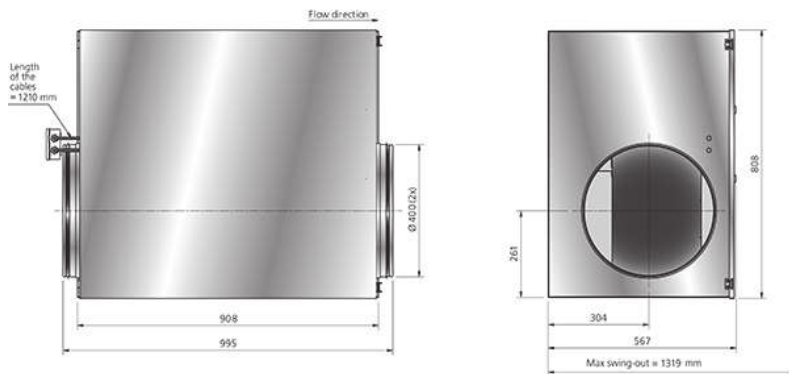
### 7890054 IRB 400 B1 EC

Voltage	230 V
Phase	1 ~
Frequency	50/60 Hz
Power	646 W
Current	2.98 A
Speed	1420 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	58 dB(A)
Weight	60.7 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	400 mm
Max. flow	4475 m³/h
Max. pressure	650 Pa
Voltage range	200-277 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	3539	65	50	63	58	46	37	34	31	28
4. Outlet Lw dB(A) 10V	3539	81	68	79	74	68	66	62	61	56
4. Inlet Lw dB(A) 10V	3539	73	62	72	64	60	58	45	41	40
3. Inlet Lw dB(A) 8.5V	3031	68	59	66	60	56	51	40	38	35
2. Inlet Lw dB(A) 7V	2552	65	56	63	56	51	41	33	34	29
1. Inlet Lw dB(A) 5.5V	2038	61	60	53	49	43	32	30	27	22

## DIMENSIONS







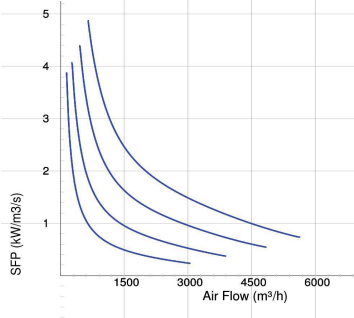
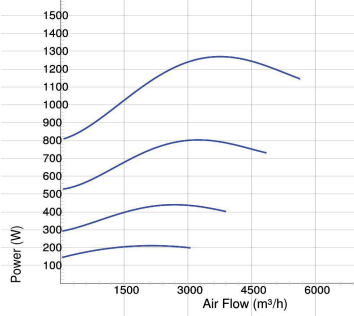
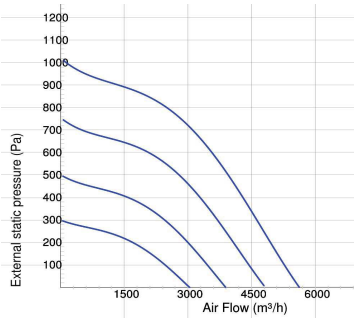
# IRB 400 B3 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- Pressure regulator FKP-R
- MK 400
- BSV 400
- RSK 400
- VK 400
- FLK 400
- FLF 400



## Voltage steps

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

## TECHNICAL DATA

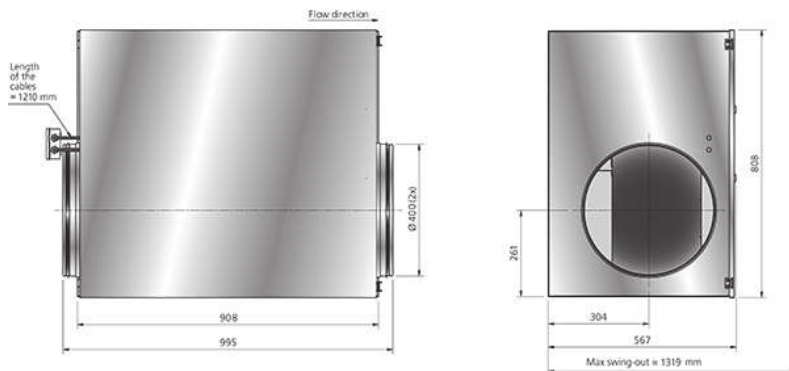
### 7890038 IRB 400 B3 EC

Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	1270 W
Current	1.96 A
Speed	1800 r.p.m.
Max. temperature of transported air	60 °C
Max. temperature of transported air when speed controlled	60 °C
Sound pressure level at 3 m	63 dB(A)
Weight	60.7 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	400 mm
Max. flow	5627 m³/h
Max. pressure	997 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	4486	70	54	63	69	54	49	43	43	35
4. Outlet Lw dB(A) 10V	4486	87	72	79	85	75	73	68	63	63
4. Inlet Lw dB(A) 10V	4486	81	68	73	79	67	66	57	51	50
3. Inlet Lw dB(A) 8.5V	3870	74	63	72	67	63	59	48	43	43
2. Inlet Lw dB(A) 7V	3172	69	60	67	60	57	51	40	39	35
1. Inlet Lw dB(A) 5.5V	2502	65	56	64	55	50	39	32	34	28

## DIMENSIONS





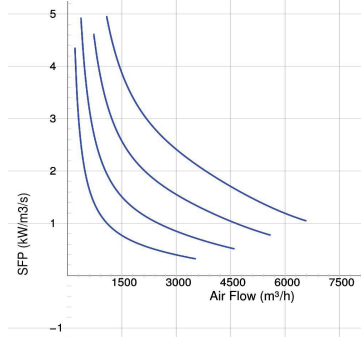
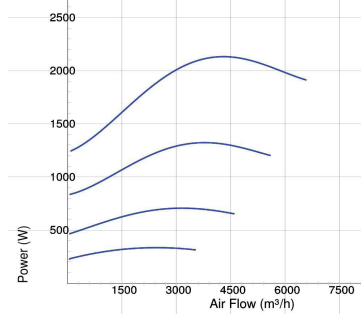
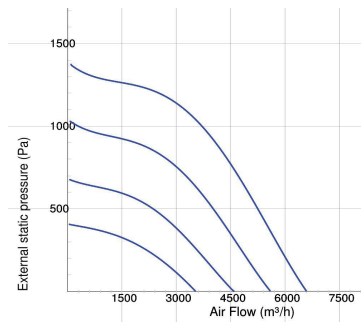
# IRB 400 E3 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

- Speed controller MS EC
- Pressure regulator CALAIR-PR-230V
- MK 400
- BSV 400
- RSK 400
- VK 400
- FLK 400
- FLF 400



## Voltage steps

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

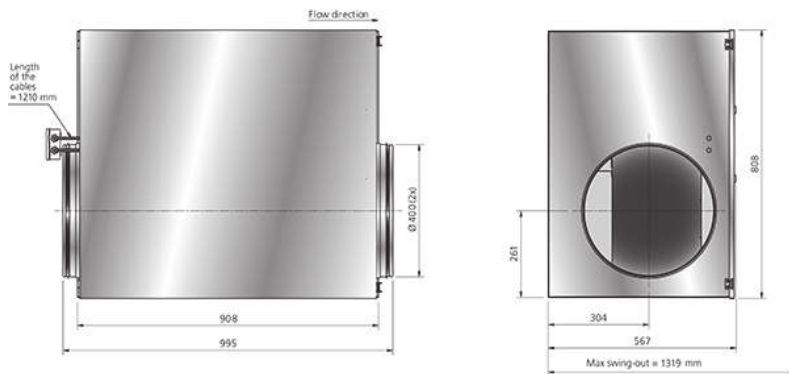
## TECHNICAL DATA

7890039 IRB 400 E3 EC	
Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	2120 W
Current	3.25 A
Speed	2130 r.p.m.
Max. temperature of transported air	40 °C
Sound pressure level at 3 m	67 dB(A)
Weight	62.1 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	400 mm
Max. flow	6592 m³/h
Max. pressure	1375 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	5472	74	59	65	73	58	51	44	40	35
4. Outlet Lw dB(A) 10V	5472	88	74	80	86	80	78	73	68	69
4. Inlet Lw dB(A) 10V	5472	81	70	75	79	70	68	61	55	55
3. Inlet Lw dB(A) 8.5V	4604	80	66	72	79	67	64	55	50	51
2. Inlet Lw dB(A) 7V	3708	73	63	71	67	63	58	49	44	42
1. Inlet Lw dB(A) 5.5V	2974	67	58	65	58	55	47	38	38	33

## DIMENSIONS





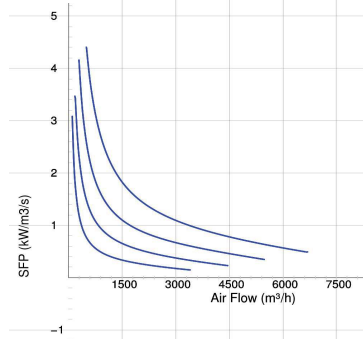
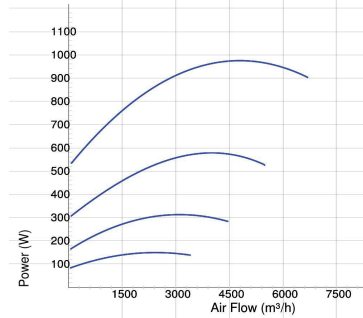
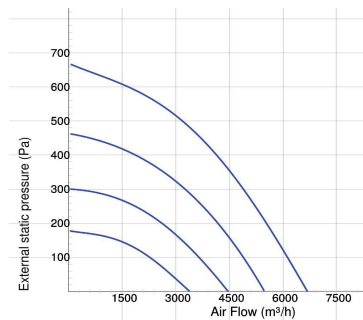
# IRB 500 A3 EC

## 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.
- A duct connected 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

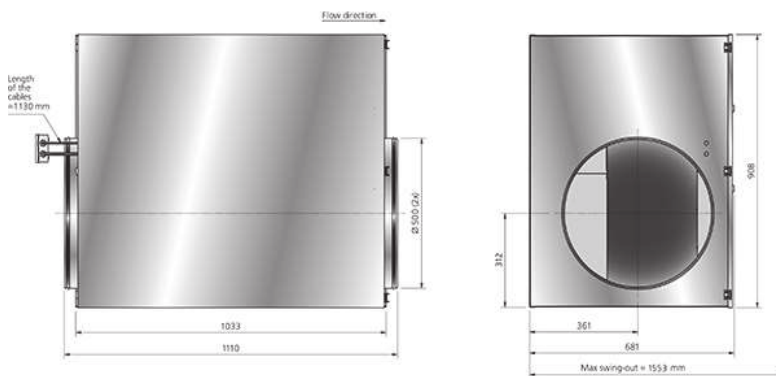
### 7890040 IRB 500 A3 EC

Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	981 W
Current	1.55 A
Speed	1340 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	60 dB(A)
Weight	79.7 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	500 mm
Max. flow	6682 m³/h
Max. pressure	664 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	4820	67	53	65	61	49	42	37	32	30
4. Outlet Lw dB(A) 10V	4820	82	67	79	75	71	69	65	63	64
4. Inlet Lw dB(A) 10V	4820	74	62	72	66	56	53	51	47	47
3. Inlet Lw dB(A) 8.5V	3953	71	59	70	60	50	49	46	43	43
2. Inlet Lw dB(A) 7V	313	69	56	68	55	43	43	41	41	34
1. Inlet Lw dB(A) 5.5V	241	60	54	58	46	34	37	35	36	25

## DIMENSIONS





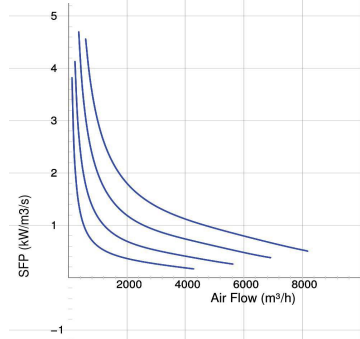
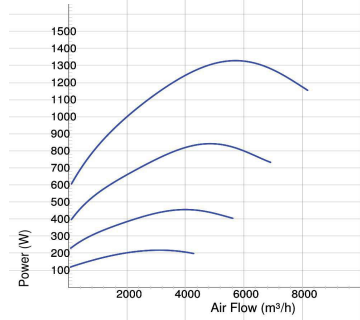
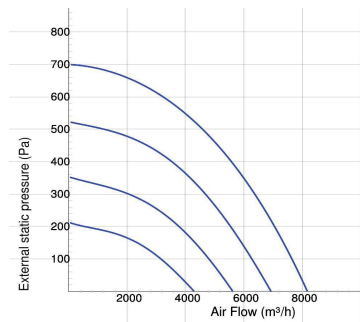
# IRB 500 B3 EC

## 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.
- A duct connected 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

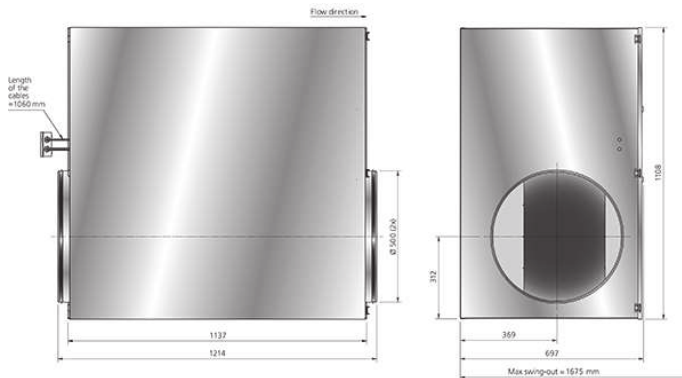
**7890043**  
**IRB 500 B3 EC**

Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	1330 W
Current	2.09 A
Speed	1230 r.p.m.
Max. temperature of transported air	40 °C
Sound pressure level at 3 m	64 dB(A)
Weight	99.3 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	500 mm
Max. flow	8172 m³/h
Max. pressure	701 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	5839	71	52	71	56	47	41	38	36	33
4. Outlet Lw dB(A) 10V	5839	80	67	79	69	65	65	62	58	61
4. Inlet Lw dB(A) 10V	5839	71	61	70	61	56	51	47	44	45
3. Inlet Lw dB(A) 8.5V	5047	69	59	68	57	51	46	44	39	42
2. Inlet Lw dB(A) 7V	3971	64	59	62	51	43	41	37	36	35
1. Inlet Lw dB(A) 5.5V	3092	58	56	53	45	33	34	30	33	29

## DIMENSIONS





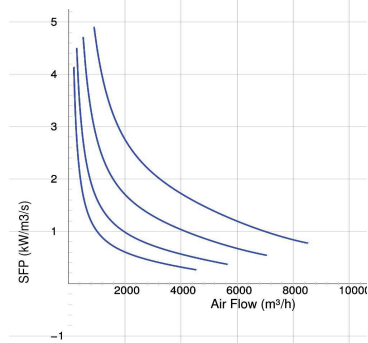
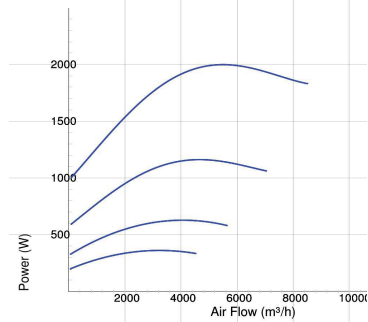
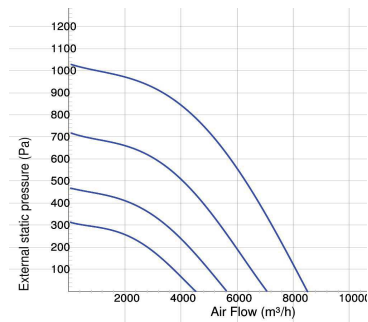
# IRB 500 E3 EC

## 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.
- A duct connected fan can be installed outside or in damp environments.

## Accessories

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



## Voltage steps

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

## TECHNICAL DATA

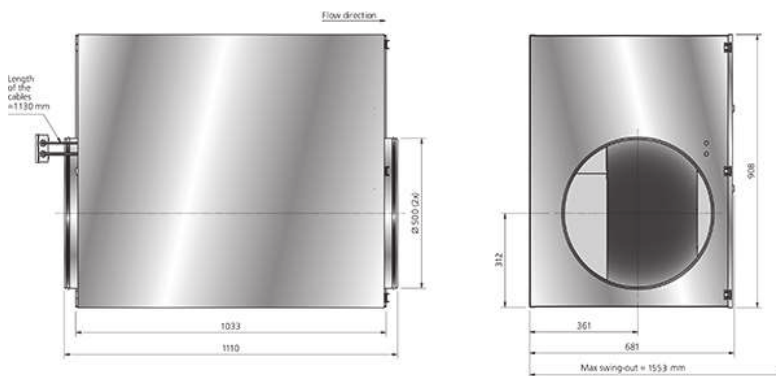
### 7890041 IRB 500 E3 EC

Voltage	400 V
Phase	3 ~
Frequency	50/60 Hz
Power	2000 W
Current	3.05 A
Speed	1710 r.p.m.
Max. temperature of transported air	60 °C
Sound pressure level at 3 m	69 dB(A)
Weight	89.5 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	500 mm
Max. flow	8503 m³/h
Max. pressure	1032 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	6696	76	59	68	75	58	48	43	38	33
4. Outlet Lw dB(A) 10V	6696	89	72	81	86	80	78	75	71	71
4. Inlet Lw dB(A) 10V	6696	80	70	76	76	64	61	59	54	55
3. Inlet Lw dB(A) 8.5V	5285	77	66	75	70	59	56	54	50	51
2. Inlet Lw dB(A) 7V	4050	72	61	71	62	52	50	48	44	45
1. Inlet Lw dB(A) 5.5V	3438	70	57	70	55	43	43	41	41	34

## DIMENSIONS





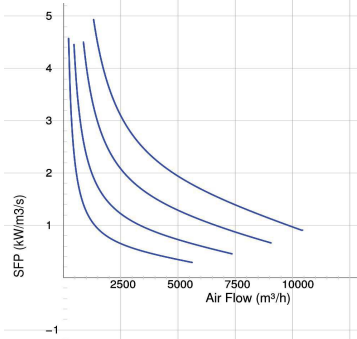
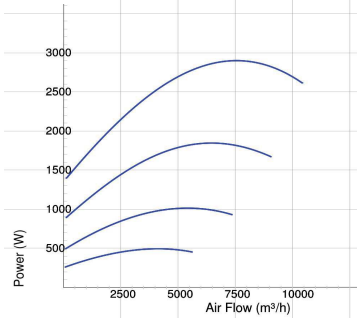
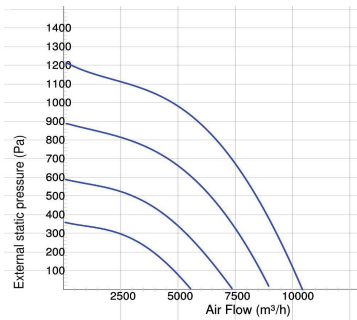
# IRB 500 F3 EC

## 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.
- A duct connected 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	67 dB(A)
Weight	111.6 kg
Enclosure class	54 IP
Insulation class, motor	F
Capacitor	- µF
Duct connection	500 mm
Max. flow	10426 m³/h
Max. pressure	1206 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
4. Surrounding Lw dB(A) 10V	8759	74	61	71	69	58	48	42	40	39
4. Outlet Lw dB(A) 10V	8759	86	74	82	80	77	77	72	70	68
4. Inlet Lw dB(A) 10V	8759	79	69	77	72	67	63	57	55	54
3. Inlet Lw dB(A) 8.5V	7510	76	66	75	67	63	58	53	50	49
2. Inlet Lw dB(A) 7V	5958	72	62	71	61	58	50	46	44	43
1. Inlet Lw dB(A) 5.5V	4540	68	62	66	55	48	42	39	37	34

## DIMENSIONS

