

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 125 B1 EC



ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 125, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 125
- Backdraught shutters, RSK 125
- Louvre shutters, VK 12
- Silencer, LDC 125
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is below 125W and is not subject to the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- 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.

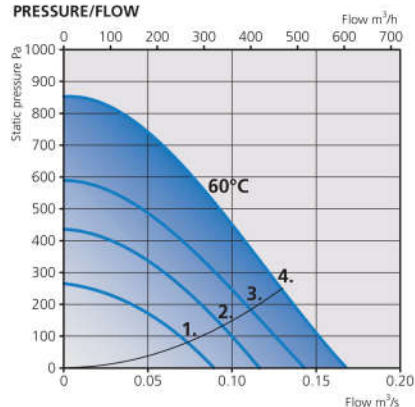
TECHNICAL DATA

IRB 125 B1 EC	Art.no. 7890008
Voltage	230/50 V/Hz
Voltage range	200-240 / 50/60 V/Hz
Phase	1 ~
Current	0.93 A
Power	116 W
Speed	3680 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	47 dB(A)
Weight	11.8 kg
Wiring diagram	4040143

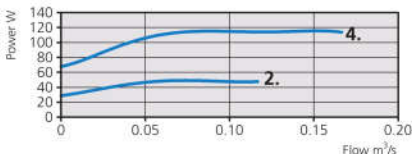
SOUND DATA

	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	47	54	42	45	49	51	43	38	33	29
4. Outlet 10V		83	67	68	72	79	75	76	70	65
4. Inlet 10V		63	51	59	57	54	49	49	46	37
3. Inlet 8V		60	53	56	54	51	45	44	41	33
2. Inlet 7V		56	47	52	51	44	40	40	36	27
1. Inlet 5.5V		52	39	48	49	38	33	33	29	16

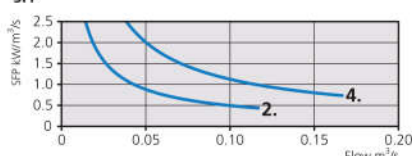
PRESSURE/FLOW



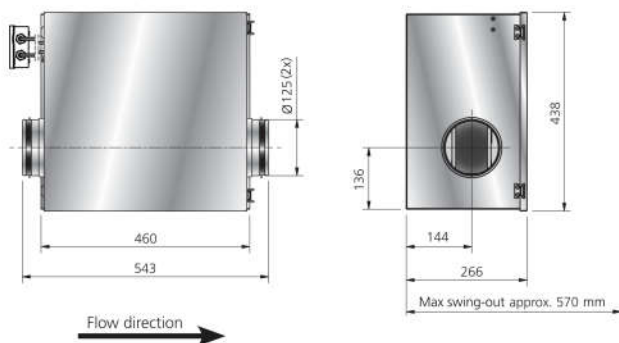
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED FANS WITH CIRCULAR CONNECTIONS

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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is below 125W and is not subject to the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

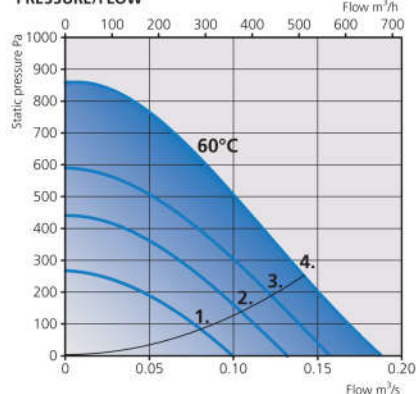
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



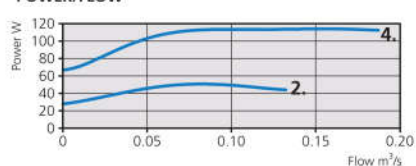
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 160, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 160
- Backdraught shutters, RSK 160
- Louvre shutters, VK 16
- Silencer, LDC 160
- Speed controller, MS EC
- Pressure regulator

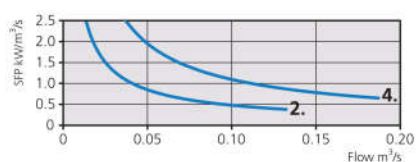
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

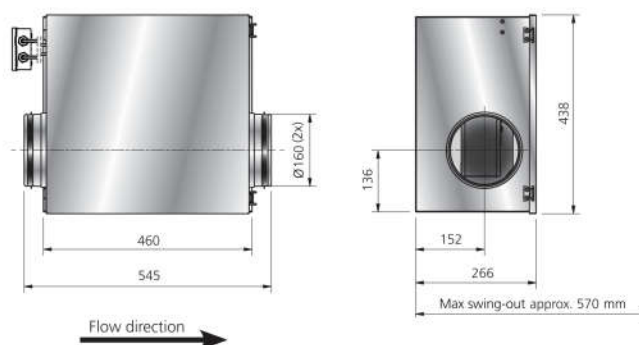
TECHNICAL DATA

IRB 160 C1 EC	Art.no. 7890009
Voltage	230/50 V/Hz
Voltage range	200-240 / 50/60 V/Hz
Phase	1 ~
Current	0.89 A
Power	114 W
Speed	3630 rpm
Capacitor	- µF
Max. temperature of transported air	60 °C
Max. temperature of transported air when speed controlled	60 °C
Sound pressure level at 3 m	47 dB(A)
Weight	11.9 kg
Wiring diagram	4040143

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	47	54	44	44	49	50	45	37	33	30
4. Outlet 10V		83	66	67	73	79	75	74	71	66
4. Inlet 10V		64	52	61	59	55	48	48	46	39
3. Inlet 8V		62	50	59	56	52	44	44	42	35
2. Inlet 7V		58	46	56	53	46	39	40	39	29
1. Inlet 5.5V		54	41	51	49	40	33	33	33	19

DIMENSIONS (mm)





INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 200 C1 EC

ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 200, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 200
- Backdraught shutters, RSK 200
- Louvre shutters, VK 20
- Silencer, LDC 200
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- 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.

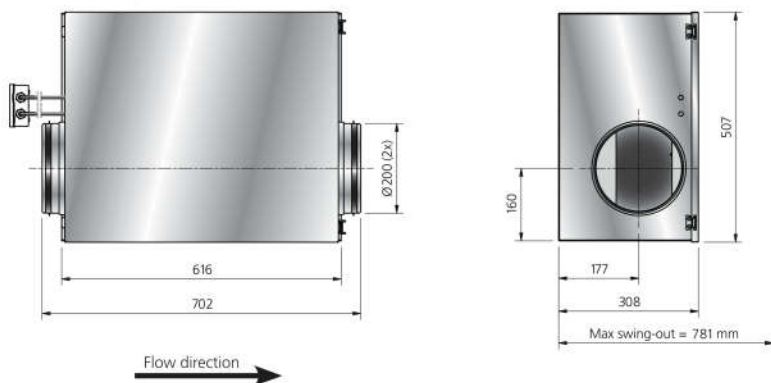
TECHNICAL DATA

IRB 200 C1 EC	Art.no. 7880011
Voltage	230/50 V/Hz
Voltage range	200-240 / 50/60 V/Hz
Phase	1 ~
Current	1.24 A
Power	161 W
Speed	2890 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	52 dB(A)
Weight	18.8 kg
Wiring diagram	4040143

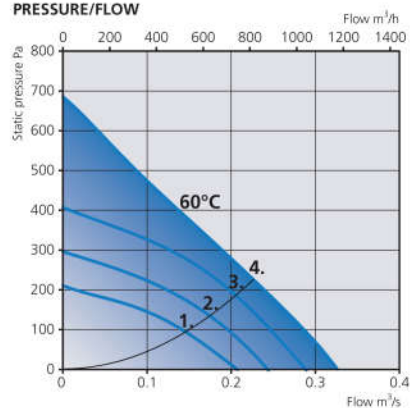
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	52	59	44	50	47	51	42	37	32	29
4. Outlet 10V		77	64	69	73	70	66	67	62	54
4. Inlet 10V		71	60	67	67	61	52	46	45	37
3. Inlet 8V		69	59	65	65	58	49	43	42	35
2. Inlet 7V		66	56	61	63	52	43	38	36	29
1. Inlet 6V		64	53	58	63	47	38	33	30	24

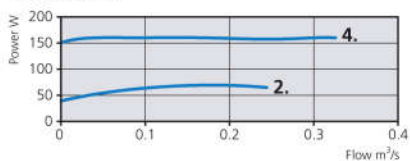
DIMENSIONS (mm)



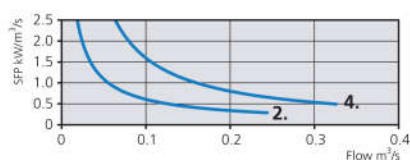
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 250 A1 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

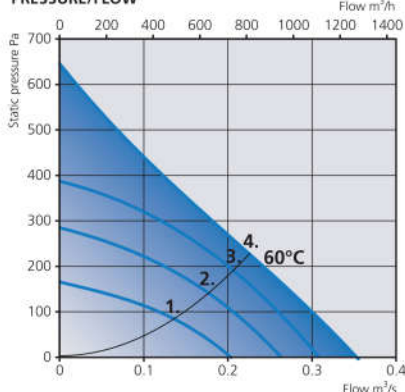
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



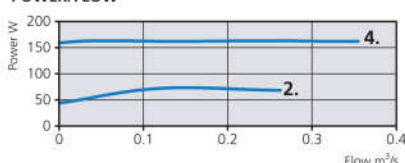
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 250, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 250
- Backdraught shutters, RSK 250
- Louvre shutters, VK 25
- Silencer, LDC 250
- Speed controller, MS EC
- Pressure regulator

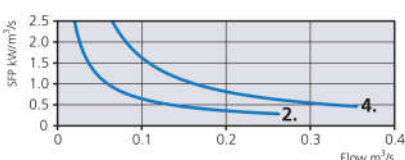
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

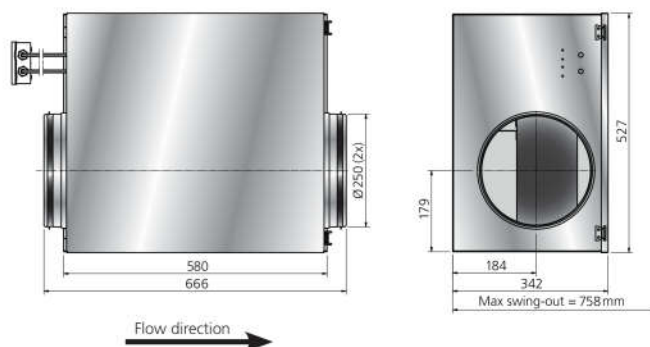
TECHNICAL DATA

IRB 250 A1 EC	Art.no. 7890007
Voltage	230/50 V/Hz
Voltage range	200-240 / 50/60 V/Hz
Phase	1 ~
Current	1.27 A
Power	163 W
Speed	2760 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	52 dB(A)
Weight	17.9 kg
Wiring diagram	4040143

SOUND DATA

	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	52	59	42	48	58	50	42	37	32	29
4. Outlet 10V		78	63	67	74	68	68	70	64	54
4. Inlet 10V		70	61	63	68	56	52	51	49	40
3. Inlet 8V		69	58	62	67	53	50	49	46	38
2. Inlet 7V		65	56	60	61	48	45	44	41	32
1. Inlet 5.5V		61	51	53	59	42	38	36	31	21

DIMENSIONS (mm)





INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 250 B1 EC

ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 250, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 250
- Backdraught shutters, RSK 250
- Louvre shutters, VK 25
- Silencer, LDC 250
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- 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.

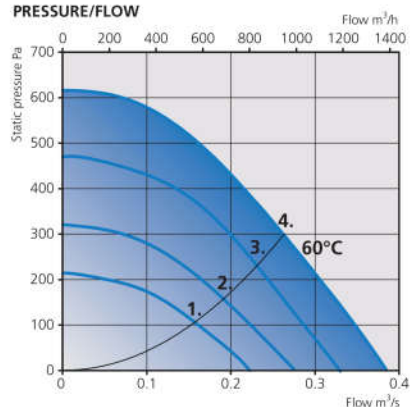
TECHNICAL DATA

IRB 250 B1 EC	Art.no. 7880012
Voltage	230/50 V/Hz
Voltage range	200-240 / 50/60 V/Hz
Phase	1 ~
Current	0.95 A
Power	217 W
Speed	2800 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	45 dB(A)
Weight	27.0 kg
Wiring diagram	4040143

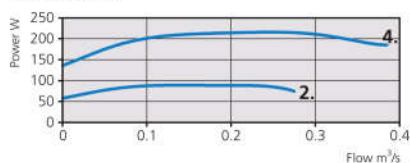
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	45	52	43	44	49	46	40	38	34	29
4. Outlet 10V		75	61	59	62	68	68	71	66	61
4. Inlet 10V		62	55	56	56	52	51	49	48	44
3. Inlet 8.5V		59	52	53	53	50	47	45	44	40
2. Inlet 7V		55	48	50	50	46	43	41	40	35
1. Inlet 5V		52	45	46	48	37	37	36	36	29

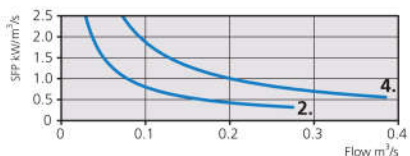
PRESSURE/FLOW



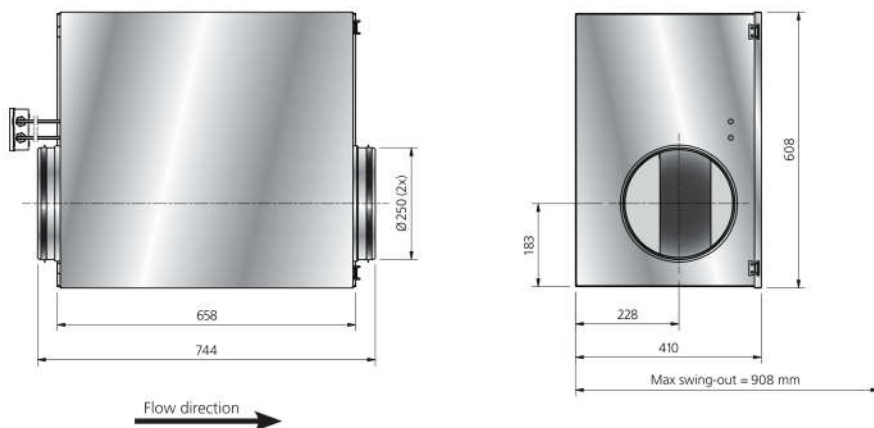
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 250 E1 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

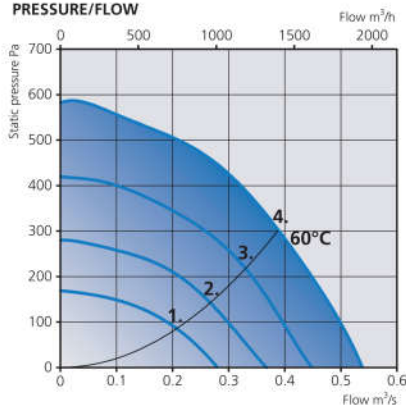
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



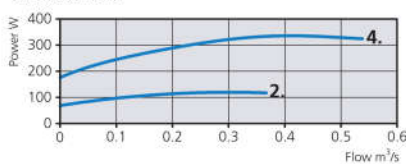
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 250, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 250
- Backdraught shutters, RSK 250
- Louvre shutters, VK 25
- Silencer, LDC 250
- Speed controller, MS EC
- Pressure regulator

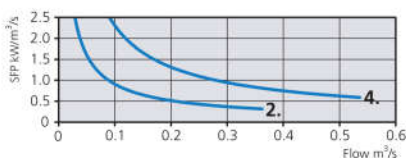
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

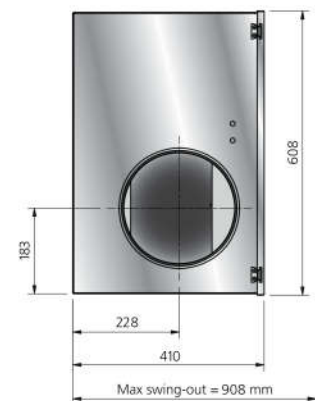
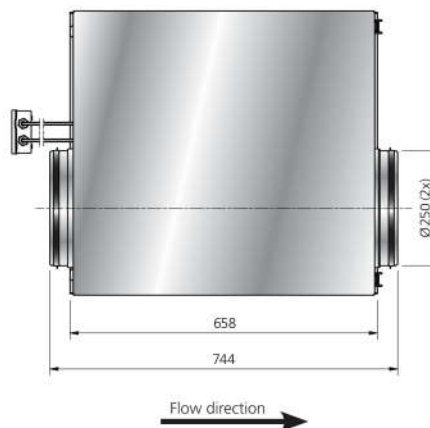
TECHNICAL DATA

IRB 250 E1 EC	Art.no. 7880013
Voltage	230/50 V/Hz
Voltage range	200-277 / 50/60 V/Hz
Phase	1 ~
Current	1.37 A
Power	311 W
Speed	2020 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	59 dB(A)
Weight	34.0 kg
Wiring diagram	4040175

SOUND DATA

	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	59	66	52	55	66	48	41	38	36	31
4. Outlet 10V		79	66	68	78	67	63	60	57	54
4. Inlet 10V		72	62	66	71	52	45	45	42	41
3. Inlet 8.5V		67	59	64	61	47	40	40	38	37
2. Inlet 7V		62	55	60	54	40	34	34	33	31
1. Inlet 5.5V		57	51	55	47	33	27	26	28	22

DIMENSIONS (mm)





INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 315 A1 EC

ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 315, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 315
- Backdraught shutters, RSK 315
- Louvre shutters, VK 31
- Silencer, LDC 315
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- 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.

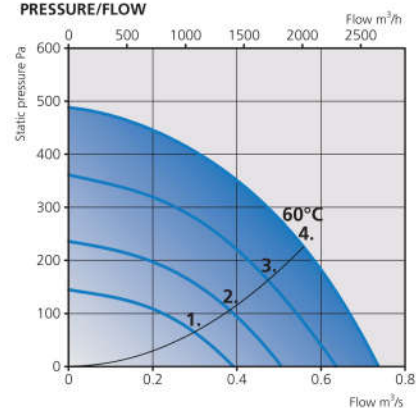
TECHNICAL DATA

IRB 315 A1 EC	Art.no. 7890044
Voltage	230/50 V/Hz
Voltage range	200-277 / 50/60 V/Hz
Phase	1 ~
Current	1.36 A
Power	311 W
Speed	1650 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	52 dB(A)
Weight	49.4 kg
Wiring diagram	4040175

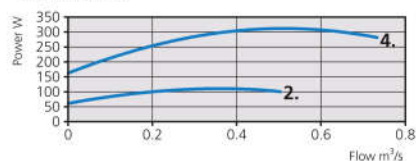
SOUND DATA

	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	52	59	44	56	57	43	34	30	27	27
4. Outlet 10V		77	64	75	72	62	61	57	55	53
4. Inlet 10V		69	59	67	64	50	41	40	39	37
3. Inlet 8.5V		66	56	64	59	45	36	36	36	33
2. Inlet 7V		62	53	61	52	37	30	31	32	26
1. Inlet 5.5V		57	52	55	45	29	24	28	27	19

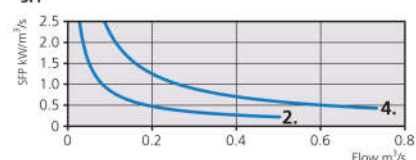
PRESSURE/FLOW



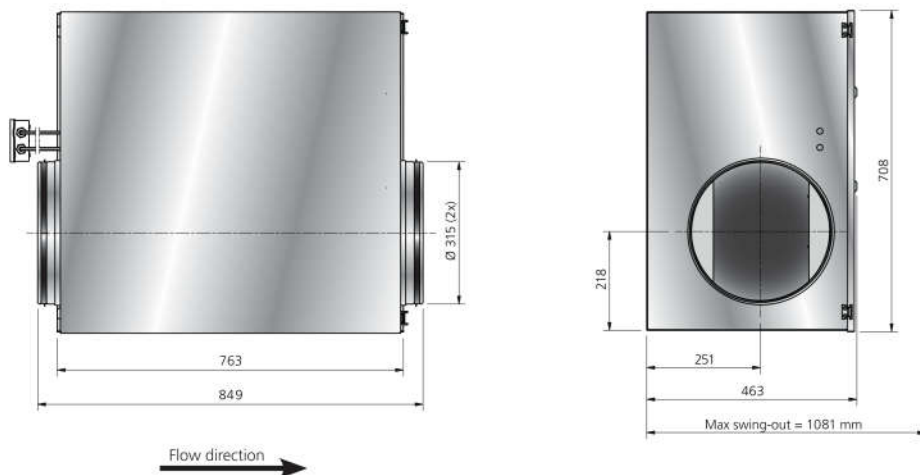
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 315 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

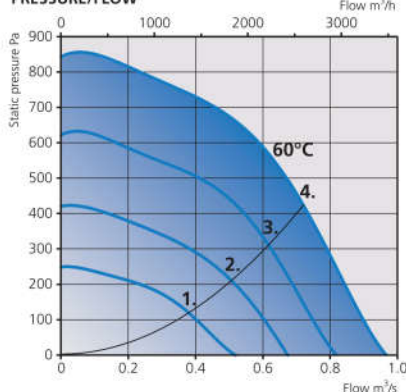
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



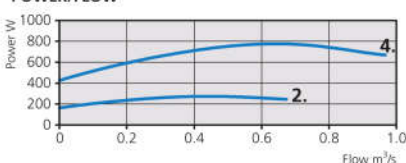
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 315, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 315
- Backdraught shutters, RSK 315
- Louvre shutters, VK 31
- Silencer, LDC 315
- Speed controller, MS EC
- Pressure regulator

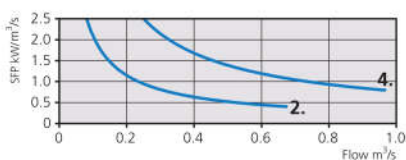
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

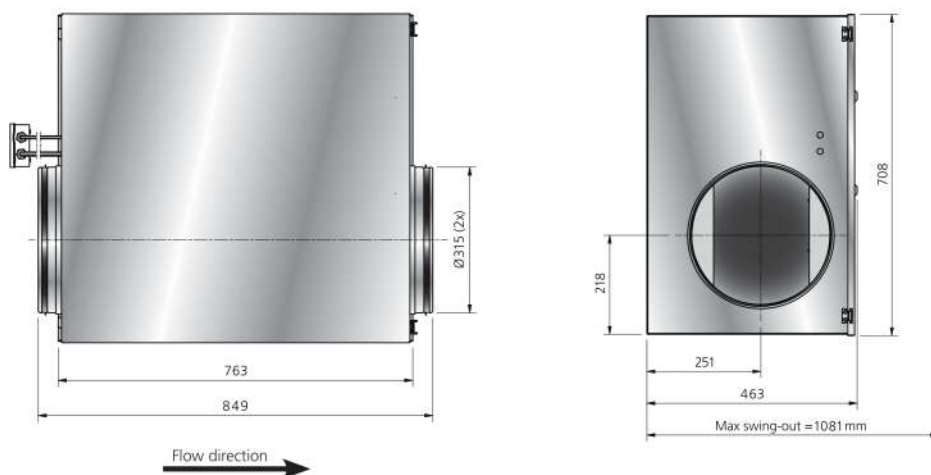
TECHNICAL DATA

IRB 315 B1 EC	Art.no. 7890034
Voltage	230/50 V/Hz
Voltage range	200-277 / 50/60 V/Hz
Phase	1 ~
Current	3.57 A
Power	777 W
Speed	2200 rpm
Capacitor	- µF
Max. temperature of transported air	60 °C
Max. temperature of transported air when speed controlled	60 °C
Sound pressure level at 3 m	65 dB(A)
Weight	46.3 kg
Wiring diagram	4040145

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	65	72	52	56	72	51	43	41	37	32
4. Outlet 10V		83	68	73	81	71	70	68	64	59
4. Inlet 10V		75	64	68	74	57	49	49	45	43
3. Inlet 8.5V		76	61	66	75	52	44	44	40	38
2. Inlet 7V		66	57	64	62	45	39	38	35	33
1. Inlet 5.5V		62	53	60	53	37	42	32	29	26

DIMENSIONS (mm)





INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 315 E3 EC

ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 315, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 315
- Backdraught shutters, RSK 315
- Louvre shutters, VK 31
- Silencer, LDC 315
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- 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.

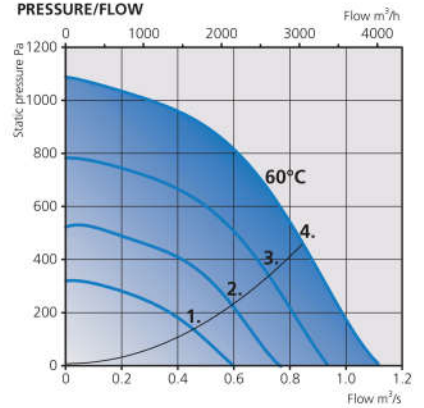
TECHNICAL DATA

IRB 315 E3 EC	Art.no. 7890035
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	1.67 A
Power	1070 W
Speed	2500 rpm
Capacitor	- μ F
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	64 dB(A)
Weight	46.3 kg
Wiring diagram	4040147

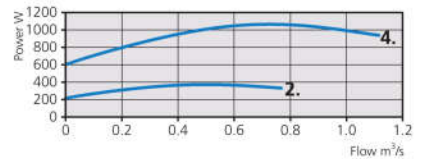
SOUND DATA

	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	64	71	57	59	70	55	48	41	38	33
4. Outlet 10V		85	72	76	82	76	76	72	68	64
4. Inlet 10V		77	68	72	74	62	56	54	50	48
3. Inlet 8.5V		76	65	69	75	58	50	50	45	44
2. Inlet 7V		72	61	69	68	51	44	44	39	37
1. Inlet 5.5V		65	56	63	57	42	37	37	32	28

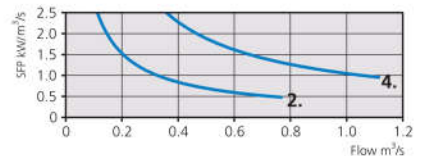
PRESSURE/FLOW



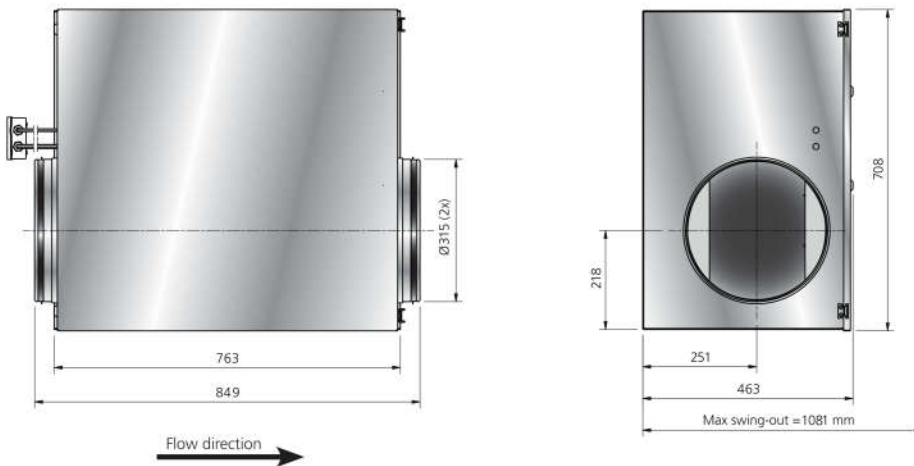
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 355 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

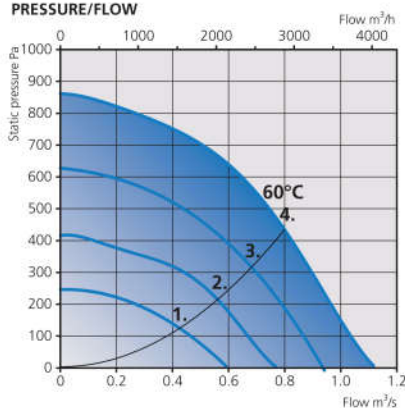
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



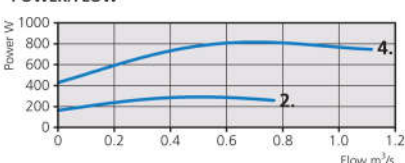
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 355, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 355
- Backdraught shutters, RSK 355
- Louvre shutters, VK 35
- Silencer, LDC 355
- Speed controller, MS EC
- Pressure regulator

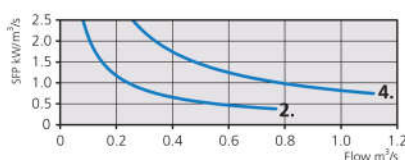
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

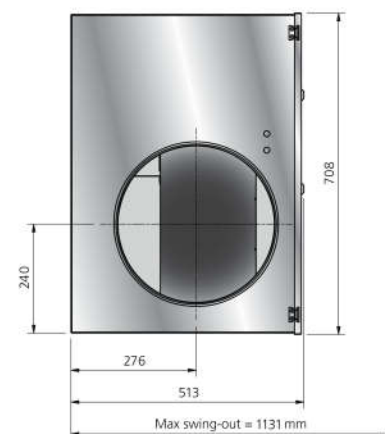
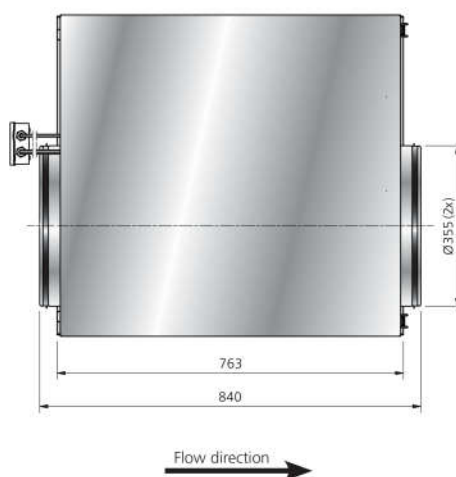
TECHNICAL DATA

IRB 355 B1 EC	Art.no. 7890036
Voltage	230/50 V/Hz
Voltage range	200-277 / 50/60 V/Hz
Phase	1 ~
Current	3.73 A
Power	816 W
Speed	2200 rpm
Capacitor	- μF
Max. temperature of transported air	60 °C
Max. temperature of transported air when speed controlled	60 °C
Sound pressure level at 3 m	64 dB(A)
Weight	48.0 kg
Wiring diagram	4040145

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	64	71	51	56	70	52	44	43	39	34
4. Outlet 10V		83	67	72	81	73	72	68	64	67
4. Inlet 10V		77	65	68	76	58	52	50	46	47
3. Inlet 8.5V		76	62	67	75	53	46	44	41	41
2. Inlet 7V		68	58	66	62	46	40	38	36	36
1. Inlet 5.5V		63	52	62	55	37	38	32	33	29

DIMENSIONS (mm)





INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 355 E3 EC

ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 355, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 355
- Backdraught shutters, RSK 355
- Louvre shutters, VK 35
- Silencer, LDC 355
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- 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.

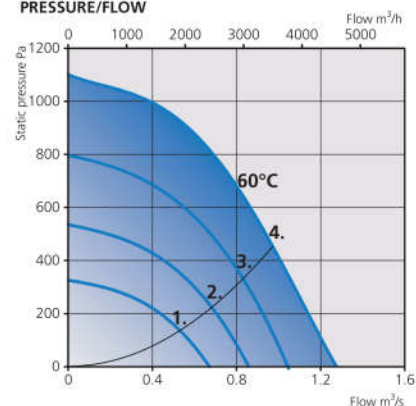
TECHNICAL DATA

IRB 355 E3 EC	Art.no. 7890037
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	1.74 A
Power	1120 W
Speed	2500 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	65 dB(A)
Weight	48.0 kg
Wiring diagram	4040147

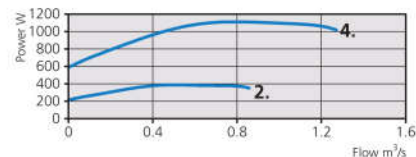
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	65	72	53	59	72	57	52	45	39	34
4. Outlet 10V		87	72	77	84	78	77	72	68	72
4. Inlet 10V		77	68	71	75	63	58	53	50	53
3. Inlet 8.5V		78	65	68	77	59	52	49	45	48
2. Inlet 7V		71	61	68	68	53	45	46	39	42
1. Inlet 5.5V		66	55	64	58	44	36	34	37	32

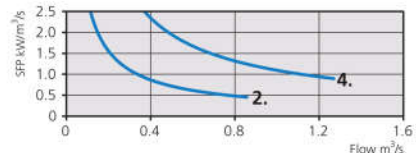
PRESSURE/FLOW



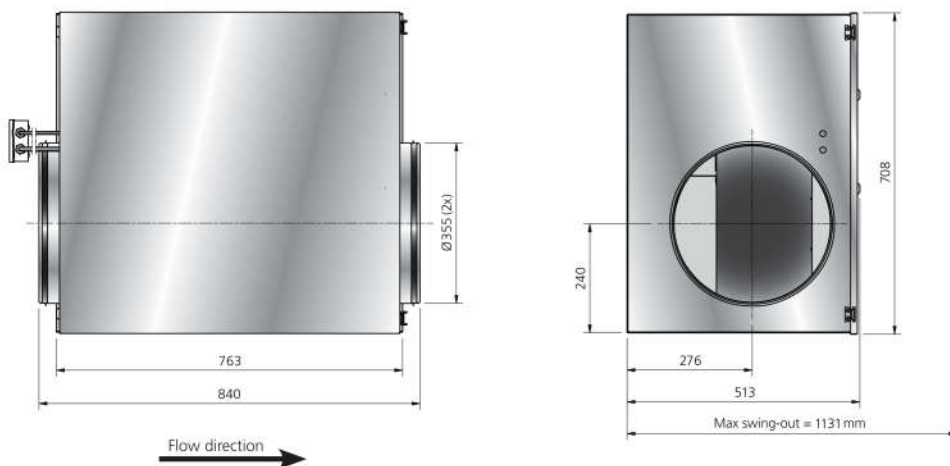
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 400 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

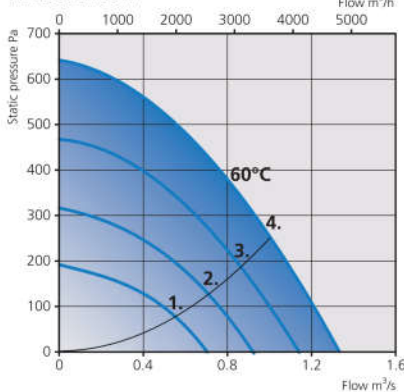
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



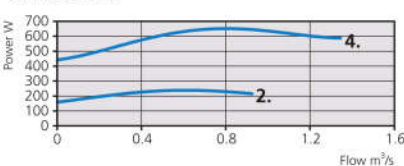
ACCESSORIES

- Mounting clamp, MK 400, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 400
- Backdraught shutters, RSK 400
- Louvre shutters, VK 40
- Silencer, LDC 400
- Speed controller, MS EC
- Pressure regulator

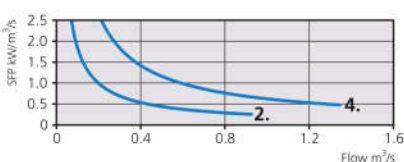
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

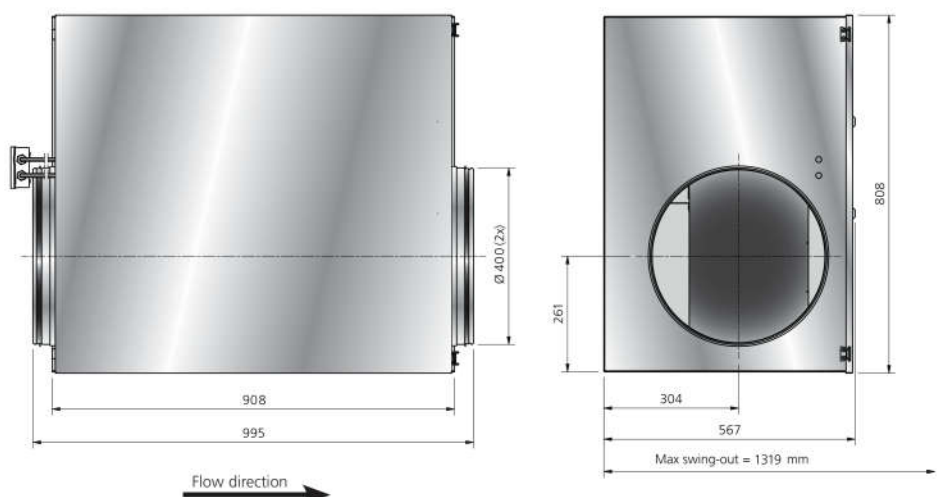
TECHNICAL DATA

IRB 400 B1 EC	Art.no. 7890054
Voltage	230/50 V/Hz
Voltage range	200-277 / 50/60 V/Hz
Phase	1 ~
Current	2.98 A
Power	646 W
Speed	1420 rpm
Capacitor	- µF
Max. temperature of transported air	60 °C
Max. temperature of transported air when speed controlled	60 °C
Sound pressure level at 3 m	57 dB(A)
Weight	60.7 kg
Wiring diagram	4040145

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	57	64	50	62	58	46	37	34	31	28
4. Outlet 10V		81	69	79	74	68	66	62	61	56
4. Inlet 10V		73	62	71	64	60	55	45	41	39
3. Inlet 8.5V		68	60	65	60	56	51	40	38	34
2. Inlet 7V		64	57	63	55	51	41	33	34	29
1. Inlet 5.5V		62	61	52	49	43	32	30	27	22

DIMENSIONS (mm)





INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 400 B3 EC

ACCESSORIES

- Mounting clamp, MK 400, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 400
- Backdraught shutters, RSK 400
- Louvre shutters, VK 40
- Silencer, LDC 400
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 54.
- 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.

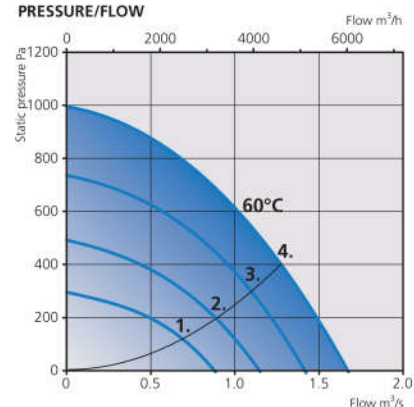
TECHNICAL DATA

IRB 400 B3 EC	Art.no. 7890038
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	1.96 A
Power	1270 W
Speed	1800 rpm
Capacitor	- µF
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
Wiring diagram	4040147

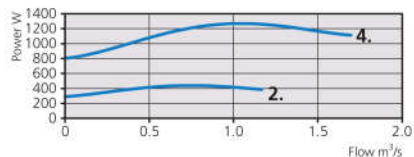
SOUND DATA

	L _{PA}	L _{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	63	70	54	62	69	54	49	43	43	35
4. Outlet 10V		87	72	79	85	75	73	68	63	63
4. Inlet 10V		81	68	73	79	67	66	57	50	50
3. Inlet 8.5V		74	64	71	67	63	59	48	43	43
2. Inlet 7V		68	61	66	60	57	51	41	39	35
1. Inlet 5.5V		65	56	63	55	50	39	32	34	28

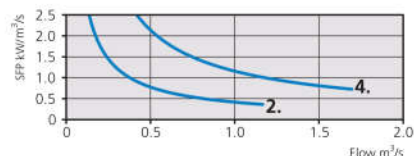
PRESSURE/FLOW



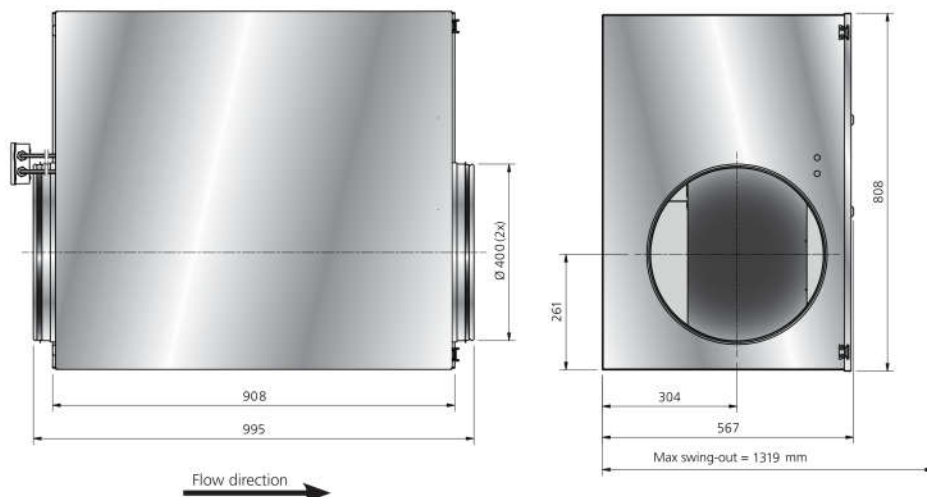
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 400 E3 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

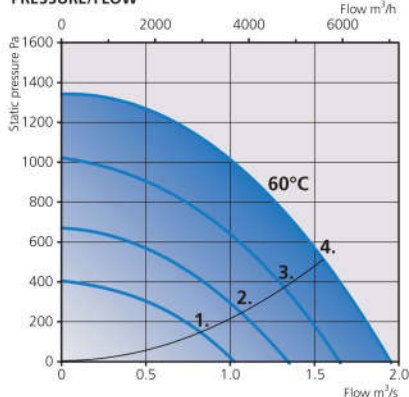
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 54.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



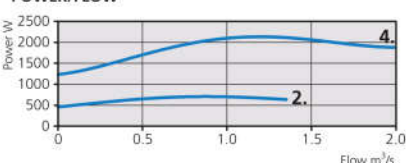
ACCESSORIES

- Mounting clamp, MK 400, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 400
- Backdraught shutters, RSK 400
- Louvre shutters, VK 40
- Silencer, LDC 400
- Speed controller, MS EC
- Pressure regulator

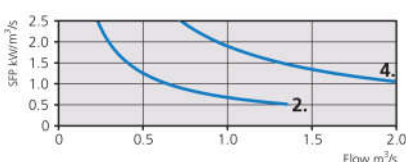
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

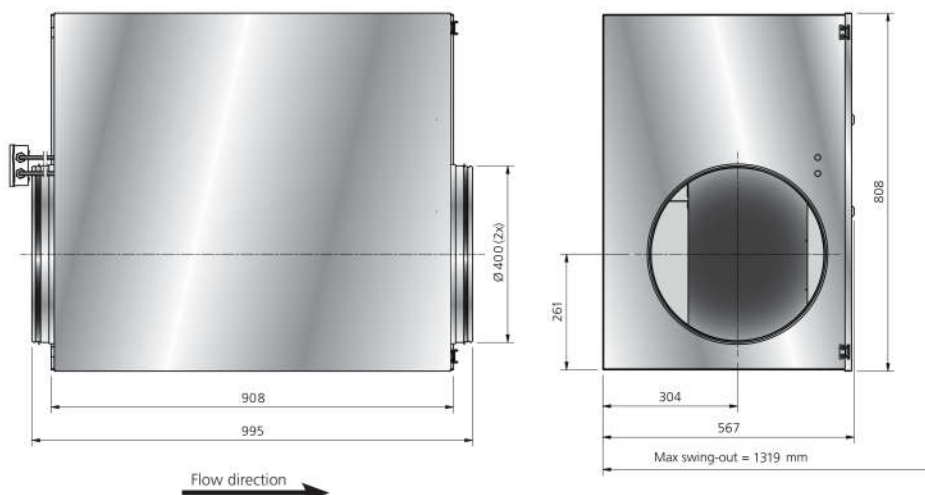
TECHNICAL DATA

IRB 400 E3 EC	Art.no. 7890039
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	3.25 A
Power	2120 W
Speed	2130 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	67 dB(A)
Weight	62.1 kg
Wiring diagram	4040147

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	67	74	59	65	73	58	51	44	40	34
4. Outlet 10V		88	74	80	86	79	78	73	68	69
4. Inlet 10V		81	70	74	79	70	68	61	55	55
3. Inlet 8.5V		80	67	71	79	66	64	56	50	51
2. Inlet 7V		73	63	70	67	62	58	49	44	42
1. Inlet 5.5V		66	59	64	58	55	47	38	38	32

DIMENSIONS (mm)





INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 500 A3 EC

ACCESSORIES

- Mounting clamp, MK 500, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 500
- Backdraught shutters, RSK 500
- Louvre shutters, VK 50
- Silencer, LDC 500
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 54.
- 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.

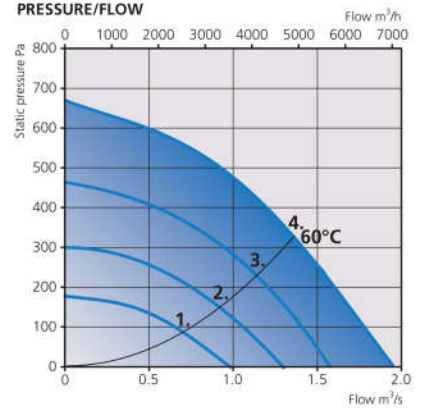
TECHNICAL DATA

IRB 500 A3 EC	Art.no. 7890040
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	1.55 A
Power	981 W
Speed	1340 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	59 dB(A)
Weight	79.7 kg
Wiring diagram	4040147

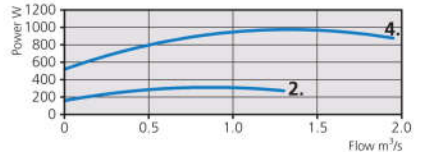
SOUND DATA

	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	59	66	53	65	61	49	42	37	32	30
4. Outlet 10V		81	68	79	74	71	69	66	63	64
4. Inlet 10V		73	63	72	66	55	53	51	47	47
3. Inlet 8.5V		71	60	70	60	50	49	46	43	43
2. Inlet 7V		68	57	68	55	43	43	41	41	34
1. Inlet 5.5V		59	54	57	46	34	37	35	36	25

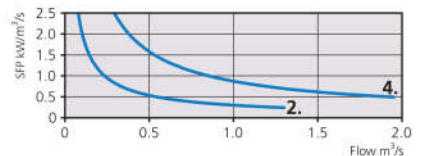
PRESSURE/FLOW



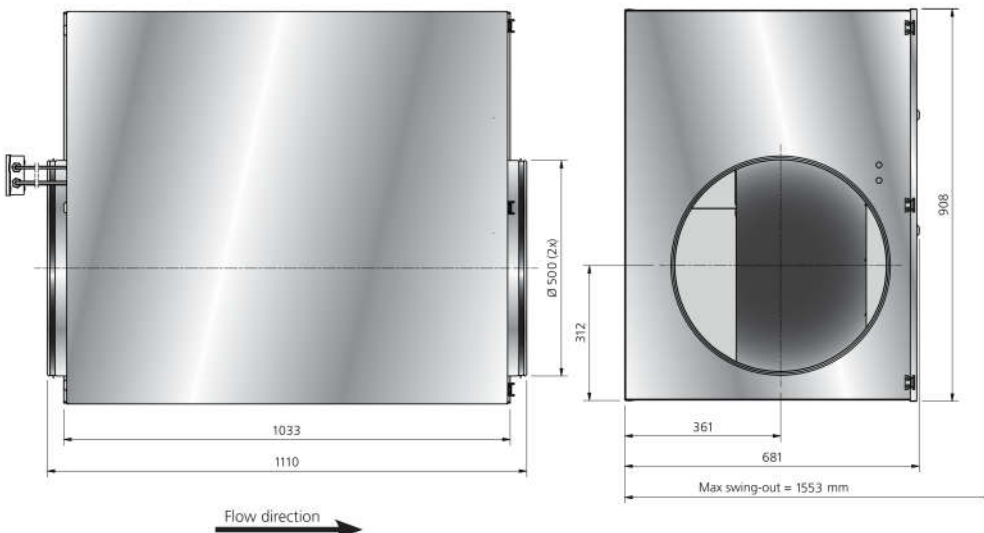
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 500 B3 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

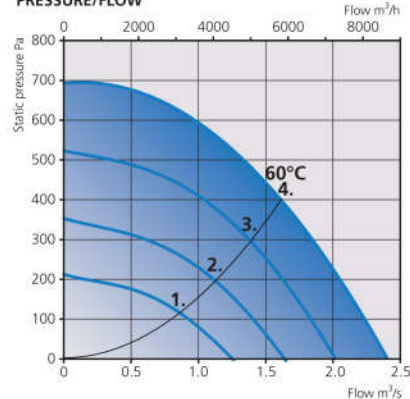
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 54.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



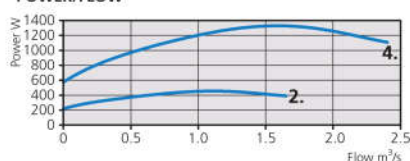
ACCESSORIES

- Mounting clamp, MK 500, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 500
- Backdraught shutters, RSK 500
- Louvre shutters, VK 50
- Silencer, LDC 500
- Speed controller, MS EC
- Pressure regulator

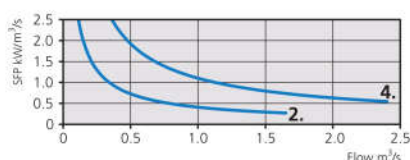
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

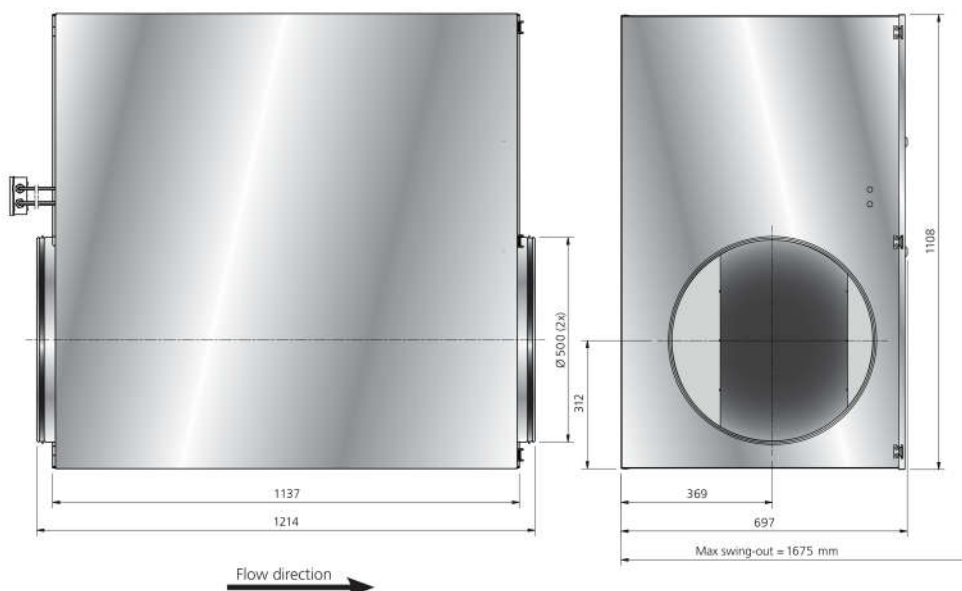
TECHNICAL DATA

IRB 500 B3 EC	Art.no. 7890043
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	2.09 A
Power	1330 W
Speed	1230 rpm
Capacitor	- µF
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	99.3 kg
Wiring diagram	4040147

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	63	70	53	70	56	46	41	38	36	32
4. Outlet 10V		79	68	78	68	65	65	62	58	61
4. Inlet 10V		71	61	70	61	56	51	47	44	45
3. Inlet 8.5V		68	59	67	57	51	46	44	39	42
2. Inlet 7V		64	59	61	51	43	40	37	36	35
1. Inlet 5.5V		58	57	52	44	33	34	30	33	29

DIMENSIONS (mm)



Flow direction →



INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 500 E3 EC

ACCESSORIES

- Mounting clamp, MK 500, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 500
- Backdraught shutters, RSK 500
- Louvre shutters, VK 50
- Silencer, LDC 500
- Speed controller, MS EC
- Pressure regulator

- 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.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- 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 approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- 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.

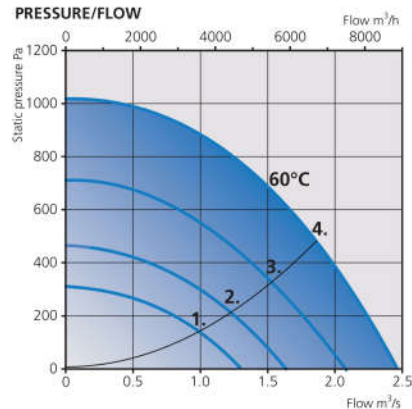
TECHNICAL DATA

IRB 500 E3 EC	Art.no. 7890041
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	3.05 A
Power	2000 W
Speed	1710 rpm
Capacitor	- µF
Max. temperature of transported air	60 C°
Max. temperature of transported air when speed controlled	60 C°
Sound pressure level at 3 m	69 dB(A)
Weight	89.5 kg
Wiring diagram	4040147

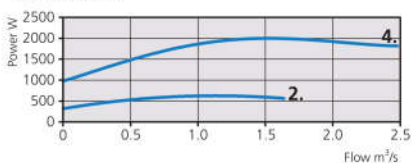
SOUND DATA

	L_{pA}	L_{WA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	69	76	60	67	75	57	48	43	38	33
4. Outlet 10V		89	73	80	86	80	78	75	71	70
4. Inlet 10V		80	70	75	76	64	61	59	54	55
3. Inlet 8.5V		76	66	75	70	59	56	54	50	51
2. Inlet 7V		72	62	71	62	52	50	48	44	45
1. Inlet 5.5V		70	57	69	55	43	43	41	41	33

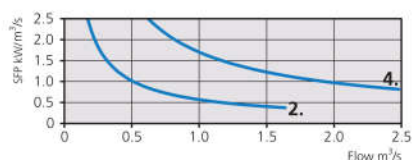
PRESSURE/FLOW



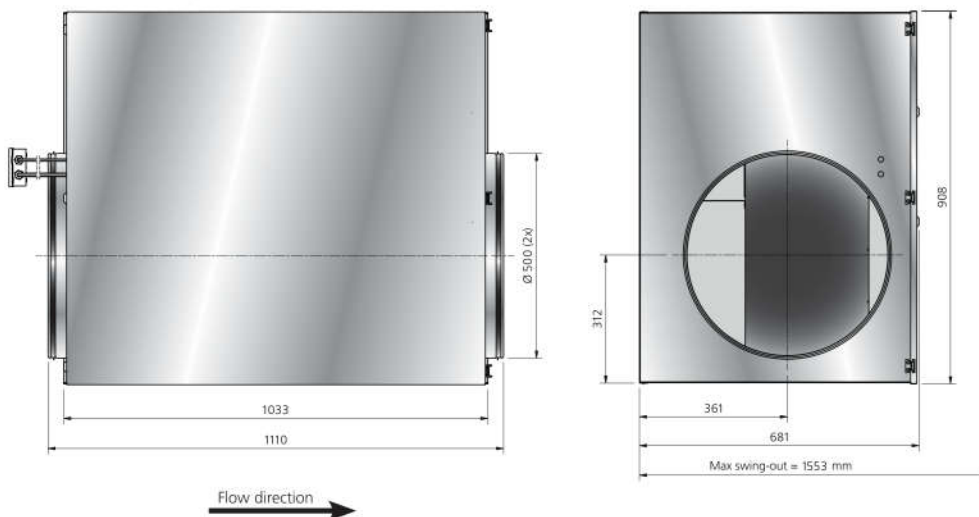
POWER/FLOW



SFP



DIMENSIONS (mm)



VOLTAGE STEPS

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

INSULATED DUCT FANS WITH CIRCULAR CONNECTIONS

IRB 500 F3 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, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest total efficiency is above 125W and meets the ErP directive.
- Impeller with backward curved blades.
- The external rotor motor has maintenance-free sealed ball-bearings and is very energy efficient.

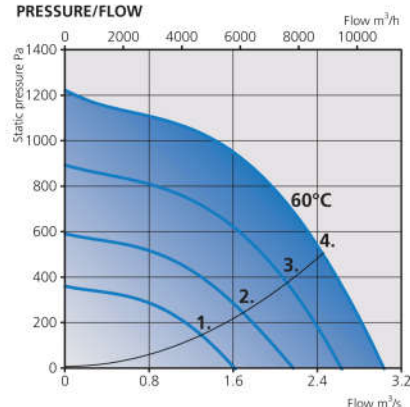
- Speed controlling can be done with the built-in potentiometer, 0-10 V alt. external control.
- Integrated approved thermal motor protection.
- Motor has insulation class F.
- Enclosure class of the fan is IP 44.
- Junction box has enclosure class IP 54.
- The housing is manufactured from galvanized 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.



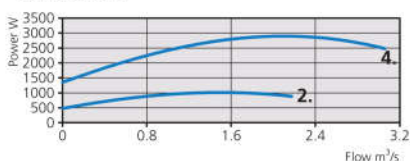
ACCESSORIES

- Mounting clamp, MK 500, simplifies the connection to duct and absorb vibrations
- Safety grill, BSV/BSR 500
- Backdraught shutters, RSK 500
- Louvre shutters, VK 50
- Silencer, LDC 500
- Speed controller, MS EC
- Pressure regulator

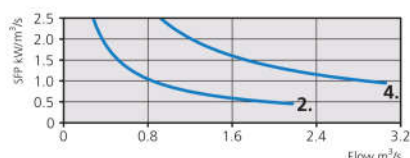
PRESSURE/FLOW



POWER/FLOW



SFP



VOLTAGE STEPS

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

TECHNICAL DATA

IRB 500 F3 EC	Art.no. 7890042
Voltage	400/50 V/Hz
Voltage range	380-480 / 50/60 V/Hz
Phase	3 ~
Current	4.47 A
Power	2916 W
Speed	1620 rpm
Capacitor	- µF
Max. temperature of transported air	60 °C
Max. temperature of transported air when speed controlled	60 °C
Sound pressure level at 3 m	66 dB(A)
Weight	112.0 kg
Wiring diagram	4040147

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
4. Surrounding 10V	66	73	62	71	69	58	48	42	40	39
4. Outlet 10V		86	74	82	80	77	77	72	70	68
4. Inlet 10V		79	69	76	72	67	63	58	55	53
3. Inlet 8.5V		76	66	74	67	63	58	53	50	49
2. Inlet 7V		72	62	70	61	58	50	46	44	43
1. Inlet 5.5V		68	62	65	55	48	42	39	37	34

DIMENSIONS (mm)

