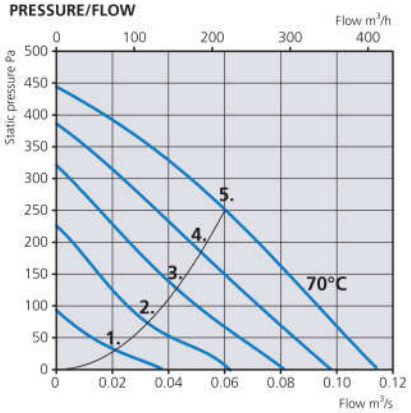
IRB 125 B1 AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

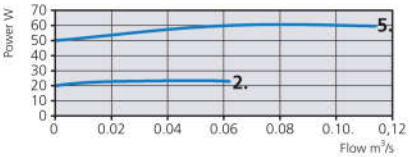
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 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
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 0.5

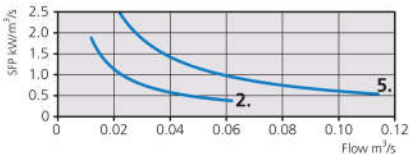
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

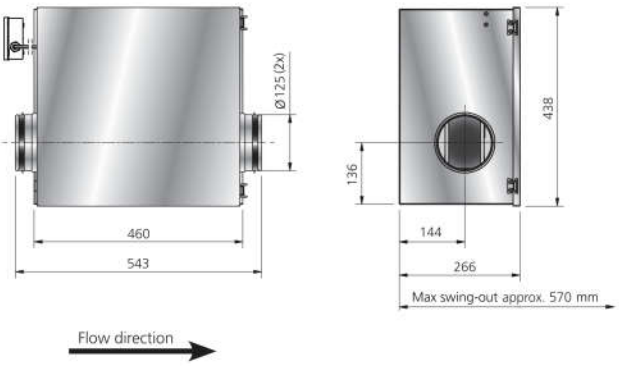
TECHNICAL DATA

IRB 125 B1 AC	Art.no. 7880041	
Voltage	230/50	V/Hz
Voltage range	220-240 / 50/60	V/Hz
Phase	1	~
Current	0.26	A
Power	61	W
Speed	2590	rpm
Capacitor	2	µF
Max. temperature of transported air	70	C°
Max. temperature of transported air when speed controlled	70	C°
Sound pressure level at 3 m	37	dB(A)
Weight	11.6	kg
Wiring diagram	4040001	

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	37	44	30	32	41	37	31	30	29	29
5. Outlet 230V		69	54	58	63	65	62	58	53	47
5. Inlet 230V		52	42	49	46	39	35	36	31	22
4. Inlet 165V		48	36	45	44	36	31	32	25	17
3. Inlet 135V		45	33	42	40	32	27	26	19	10
2. Inlet 110V		39	29	37	31	26	20	16	8	4
1. Inlet 80V		32	25	28	26	16	9	3	3	3

DIMENSIONS (mm)



Flow direction

IRB 160 B1 AC

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
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 0.5

- 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

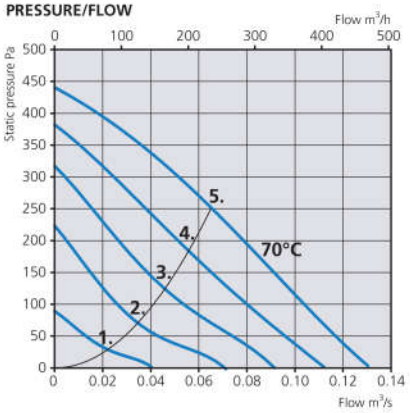
TECHNICAL DATA

IRB 160 B1 AC	Art.no. 7880042	
Voltage	230/50	V/Hz
Voltage range	220-240 / 50/60	V/Hz
Phase	1	~
Current	0.26	A
Power	59	W
Speed	2580	rpm
Capacitor	2	µF
Max. temperature of transported air	70	C°
Max. temperature of transported air when speed controlled	70	C°
Sound pressure level at 3 m	37	dB(A)
Weight	11.7	kg
Wiring diagram	4040001	

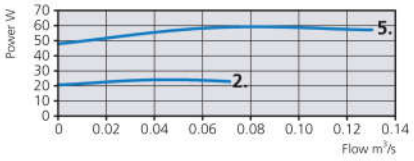
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	37	44	30	35	40	37	32	31	29	29
5. Outlet 230V		72	56	60	65	67	63	62	60	51
5. Inlet 230V		54	42	52	49	41	35	37	34	25
4. Inlet 165V		52	39	49	47	37	31	33	29	19
3. Inlet 135V		47	36	45	42	33	27	27	22	11
2. Inlet 110V		42	31	40	35	27	21	19	13	5
1. Inlet 80V		37	26	35	29	18	10	6	3	4

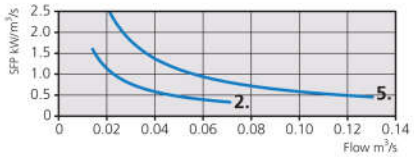
PRESSURE/FLOW



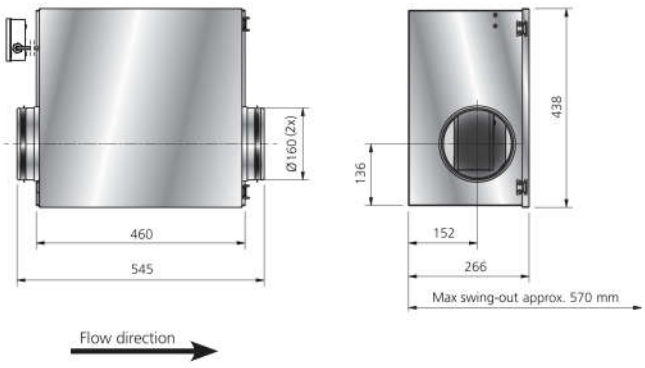
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

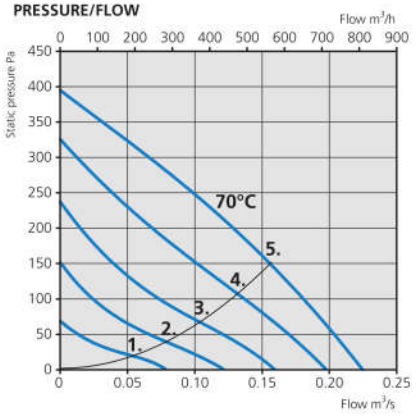
IRB 200 A1 AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

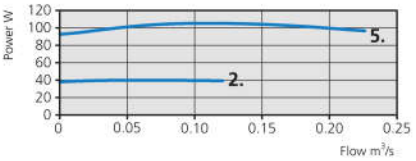
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 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
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 0.5

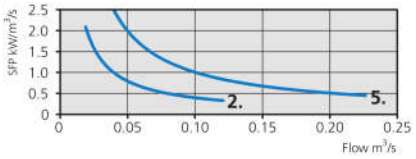
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

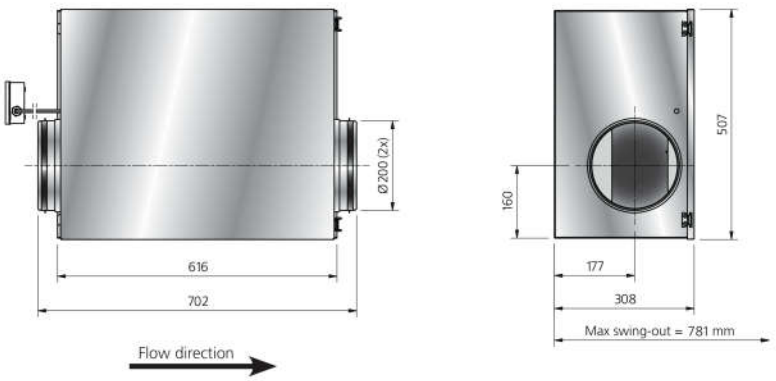
TECHNICAL DATA

IRB 200 A1 AC	Art.no. 7880035	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	0.46	A
Power	105	W
Speed	2520	rpm
Capacitor	3	µF
Max. temperature of transported air	70	C°
Max. temperature of transported air when speed controlled	70	C°
Sound pressure level at 3 m	44	dB(A)
Weight	19.0	kg
Wiring diagram	4040001	

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	44	51	31	37	51	40	36	36	29	28
5. Outlet 230V		69	53	59	65	51	57	60	56	49
5. Inlet 230V		62	51	58	58	49	42	41	38	33
4. Inlet 165V		60	48	55	57	44	37	36	33	27
3. Inlet 135V		56	44	51	54	39	31	31	26	18
2. Inlet 110V		49	40	47	42	31	24	25	14	7
1. Inlet 80V		47	34	46	32	21	14	10	5	5

DIMENSIONS (mm)



IRB 200 B1 ErP AC

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
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 1.0

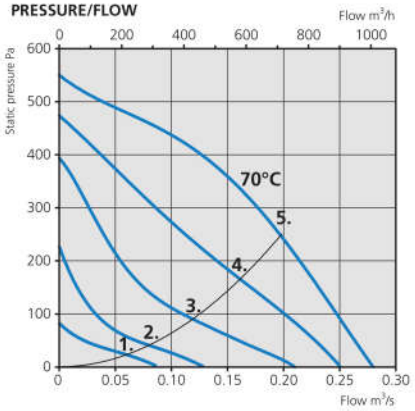
- Insulated duct fan with circular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs..
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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 B1 ErP AC	Art.no. 7880036	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	0.82	A
Power	160	W
Speed	2700	rpm
Capacitor	5	µF
Max. temperature of transported air	70	C°
Max. temperature of transported air when speed controlled	70	C°
Sound pressure level at 3 m	48	dB(A)
Weight	19.7	kg
Wiring diagram	4040001	

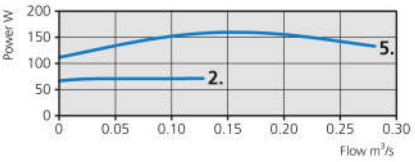
PRESSURE/FLOW



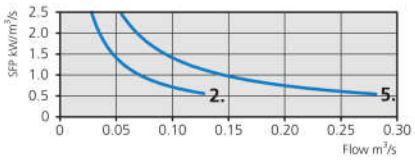
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	48	55	36	42	53	48	40	37	32	29
5. Outlet 230V		73	61	62	68	66	63	62	58	60
5. Inlet 230V		65	55	60	62	57	48	41	40	39
4. Inlet 165V		64	51	57	63	50	41	35	35	34
3. Inlet 135V		58	45	52	59	40	30	26	32	19
2. Inlet 110V		54	44	53	41	29	21	23	19	5
1. Inlet 80V		52	38	51	32	21	12	9	3	3

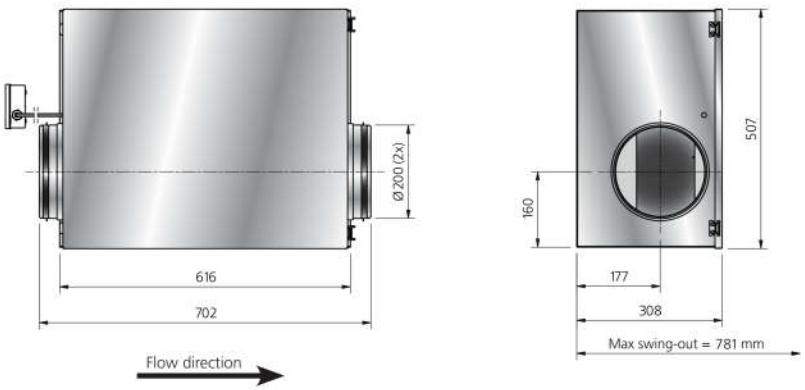
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

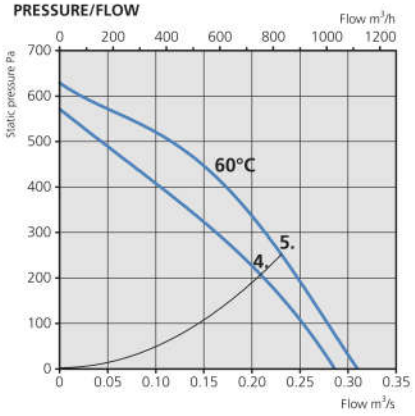
IRB 200 E1 ErP AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

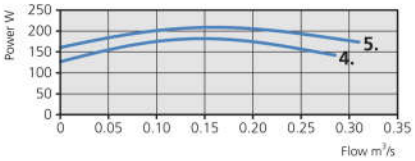
ACCESSORIES

- Mounting brackets Universal Kit
- Mounting clamp, MK 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
- Electronic speed controller, VRS 2.0

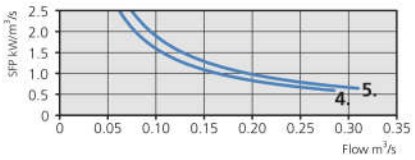
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

This product cannot be speed controlled below 165 V.

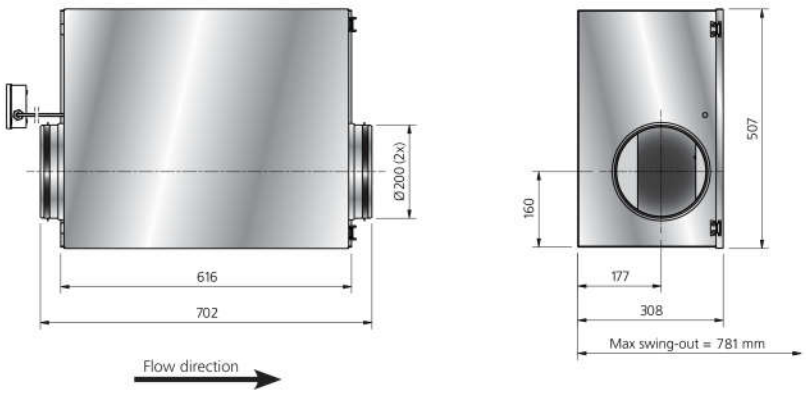
TECHNICAL DATA

IRB 200 E1 ErP AC	Art.no. 7880037	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	1.10	A
Power	209	W
Speed	2790	rpm
Capacitor	6	µF
Max. temperature of transported air	60	C°
Max. temperature of transported air when speed controlled	60	C°
Sound pressure level at 3 m	49	dB(A)
Weight	20.2	kg
Wiring diagram	4040001	

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	49	56	43	44	54	50	44	41	35	31
5. Outlet 230V		75	61	65	70	69	64	64	63	57
5. Inlet 230V		68	58	63	65	60	52	45	44	37
4. Inlet 165V		67	55	61	64	57	48	42	40	33

DIMENSIONS (mm)



IRB 250 A1 AC

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
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 1.0

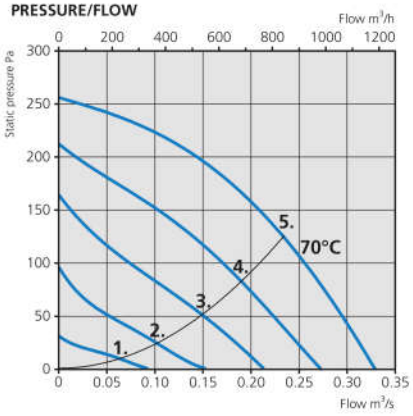
- Insulated duct fan with circular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs..
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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 A1 AC	Art.no. 7880038	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	0.59	A
Power	132	W
Speed	1290	rpm
Capacitor	5	µF
Max. temperature of transported air	70	C°
Max. temperature of transported air when speed controlled	70	C°
Sound pressure level at 3 m	45	dB(A)
Weight	35.1	kg
Wiring diagram	4040001	

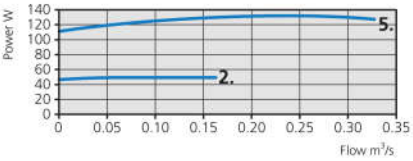
PRESSURE/FLOW



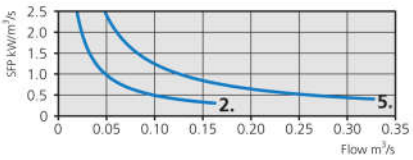
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	45	52	35	48	48	4	38	27	27	27
5. Outlet 230V		67	56	63	61	56	56	53	50	39
5. Inlet 230V		63	53	61	55	42	35	33	32	30
4. Inlet 165V		60	50	59	50	39	28	28	28	28
3. Inlet 135V		51	47	47	42	31	22	22	17	16
2. Inlet 110V		47	40	44	40	24	15	16	15	12
1. Inlet 80V		41	26	40	30	20	12	15	13	10

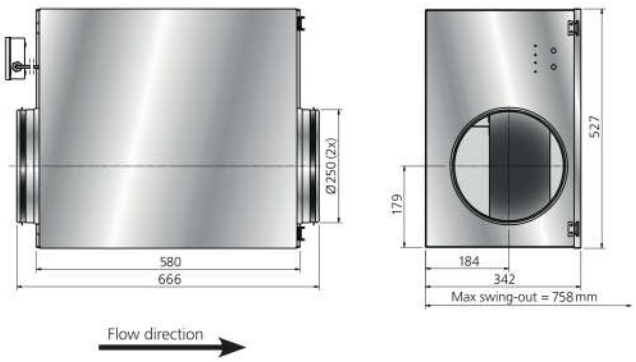
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

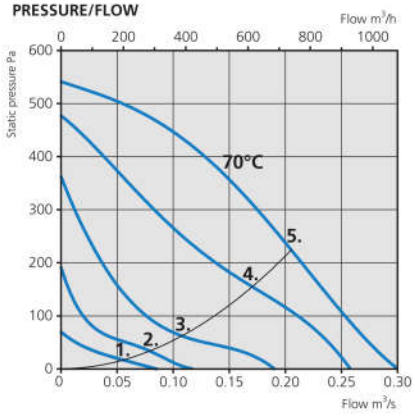
IRB 250 B1 ErP AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

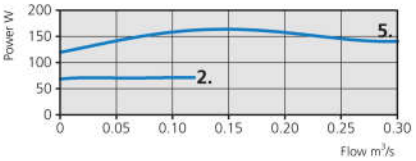
ACCESSORIES

- 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
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 1.0

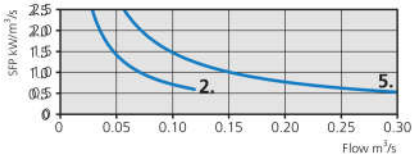
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

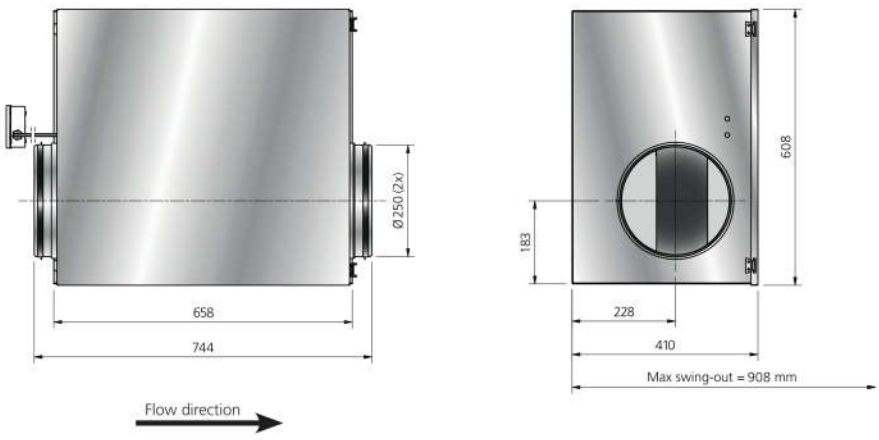
TECHNICAL DATA

IRB 250 B1 ErP AC	Art.no. 7880039	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	0.86	A
Power	165	W
Speed	2690	rpm
Capacitor	5	µF
Max. temperature of transported air	70	C°
Max. temperature of transported air when speed controlled	70	C°
Sound pressure level at 3 m	45	dB(A)
Weight	33.4	kg
Wiring diagram	4040001	

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	45	52	36	38	51	44	38	33	30	28
5. Outlet 230V		73	55	57	69	63	65	66	62	62
5. Inlet 230V		62	57	55	57	47	50	46	44	46
4. Inlet 165V		59	47	51	57	41	45	42	40	42
3. Inlet 135V		55	41	47	54	34	35	33	38	25
2. Inlet 110V		48	39	47	38	26	26	34	29	10
1. Inlet 80V		46	36	44	35	28	29	39	15	12

DIMENSIONS (mm)



IRB 250 E1 ErP AC

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
- Electronic speed controller, VRS 2.0

- 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

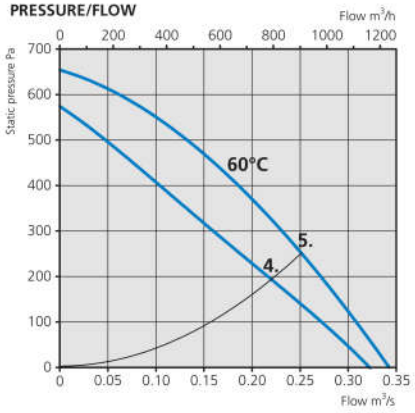
TECHNICAL DATA

IRB 250 E1 ErP AC	Art.no. 7880040	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	1.17	A
Power	218	W
Speed	2770	rpm
Capacitor	6	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	33.9	kg
Wiring diagram	4040001	

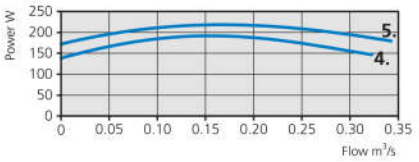
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	45	52	42	40	50	46	42	37	33	29
5. Outlet 230V		73	56	58	67	63	65	67	64	58
5. Inlet 230V		61	55	54	57	49	51	48	47	41
4. Inlet 165V		59	49	51	57	44	48	45	42	38

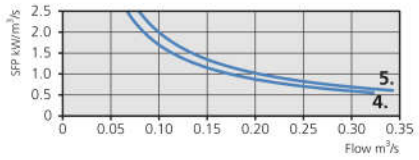
PRESSURE/FLOW



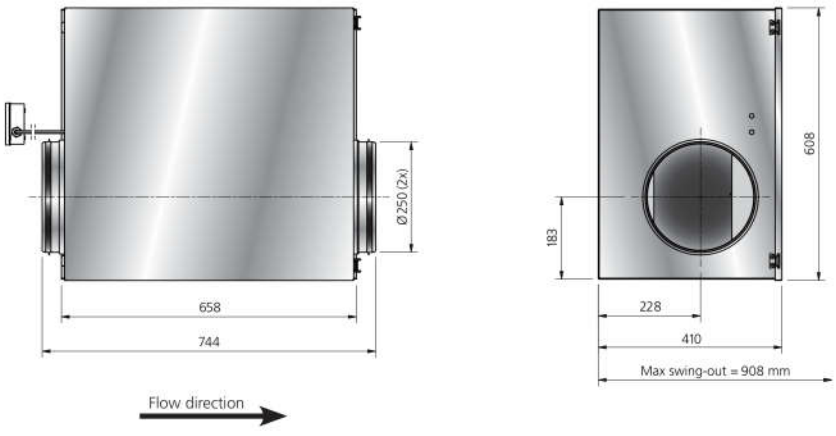
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

This product cannot be speed controlled below 165 V.

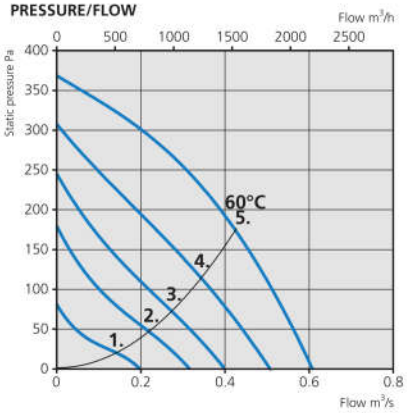
IRB 315 B3 ErP AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

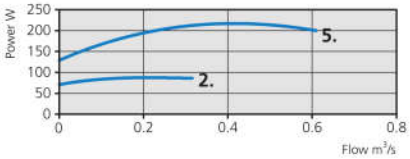
ACCESSORIES

- 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 30
- Silencer, LDC 315
- Transformer VRDT 2, VRTT 1

PRESSURE/FLOW



POWER/FLOW



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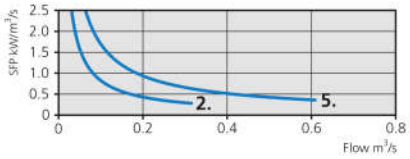


TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

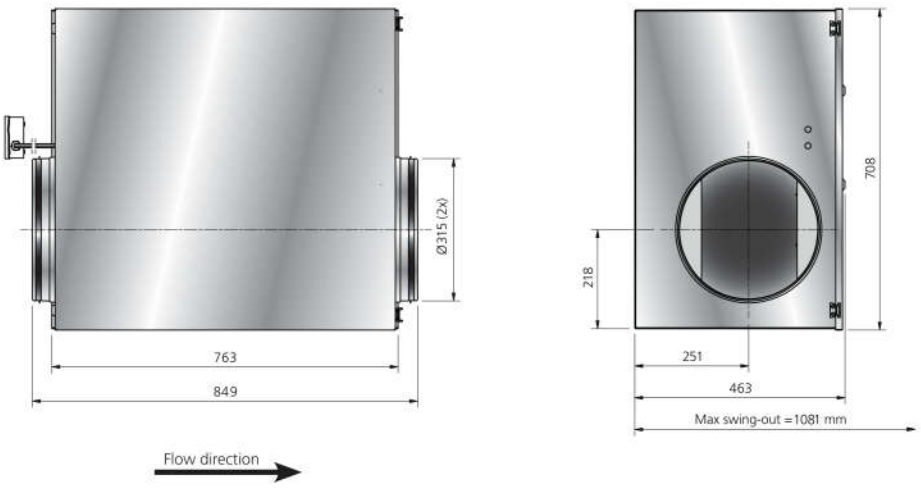
TECHNICAL DATA

IRB 315 B3 ErP AC	Art.no. 7890113	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	0.44 / 0.77	A
Power	215	W
Speed	1350	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	43.4	kg
Wiring diagram	Y 4040004 / Δ 4040003	

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	47	54	41	51	51	37	36	31	29	28
5. Outlet 400V		70	56	68	64	53	53	51	50	38
5. Inlet 400V		64	54	52	57	41	35	35	32	29
4. Inlet 240V		63	52	62	51	35	30	30	29	25
3. Inlet 185V		57	50	55	46	29	26	27	25	19
2. Inlet 145V		47	45	41	37	23	25	24	14	11
1. Inlet 95V		35	32	29	29	11	18	14	13	10

DIMENSIONS (mm)



IRB 355 B3 ErP AC

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
- Transformer VRDT 2, VRTT 1

- 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

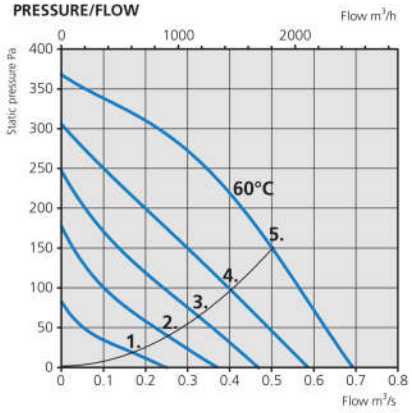
TECHNICAL DATA

IRB 355 B3 ErP AC	Art.no. 7890121	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	0.45 / 0.78	A
Power	228	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	49	dB(A)
Weight	45.1	kg
Wiring diagram	Y 4040004 / Δ 4040003	

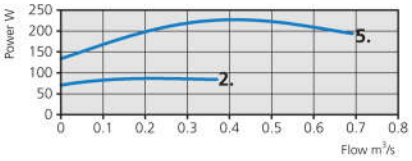
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	49	56	40	54	50	36	34	29	28	27
5. Outlet 400V		70	57	67	65	56	54	52	56	46
5. Inlet 400V		65	54	64	58	44	35	35	35	31
4. Inlet 240V		63	50	62	52	35	30	29	33	25
3. Inlet 185V		55	49	52	47	28	26	28	28	18
2. Inlet 145V		49	48	43	38	22	27	26	14	11
1. Inlet 95V		38	37	30	25	13	21	14	12	9

PRESSURE/FLOW



POWER/FLOW



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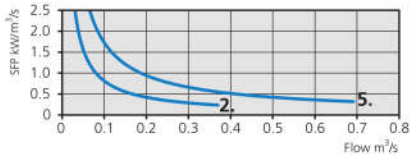
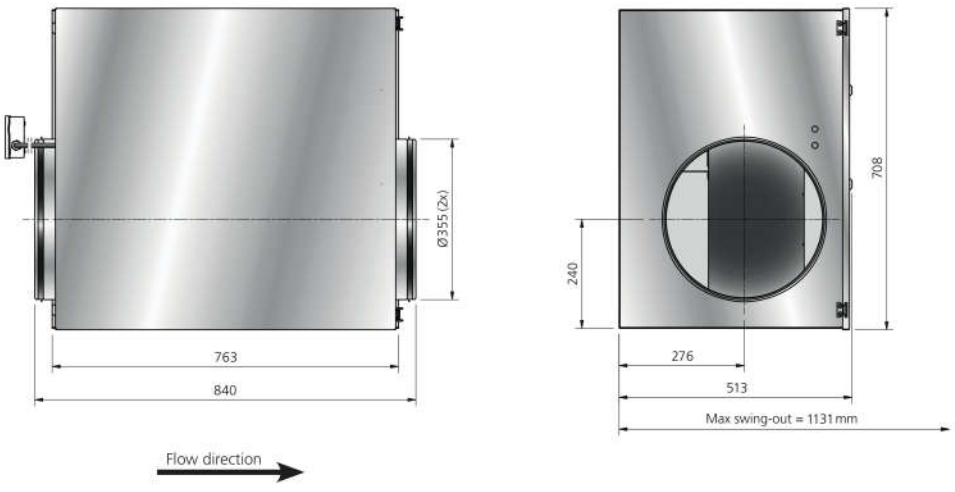


DIMENSIONS (mm)



TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

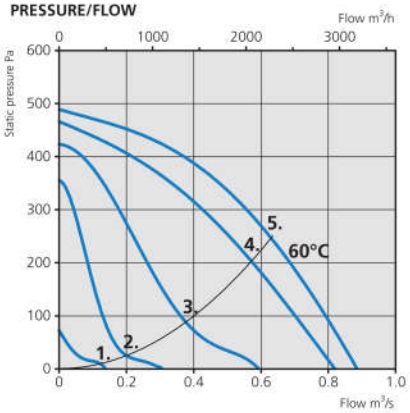
IRB 355 D1 ErP AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

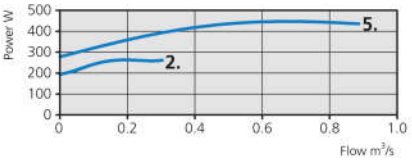
ACCESSORIES

- 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
- Transformer VRDE 7, VRTE 5
- Electronic speed controller, VRS 4.0

PRESSURE/FLOW



POWER/FLOW



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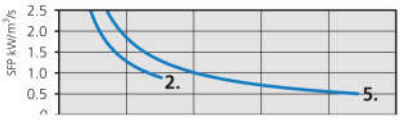


TECHNICAL DATA

IRB 355 D1 ErP AC	Art.no. 7890114	
Voltage	230/50	V/Hz
Voltage range	220-240/50	V/Hz
Phase	1	~
Current	3.06	A
Power	448	W
Speed	1400	rpm
Capacitor	10	µF
Max. temperature of transported air	60	C°
Max. temperature of transported air when speed controlled	60	C°
Sound pressure level at 3 m	51	dB(A)
Weight	48.2	kg
Wiring diagram	4040005	

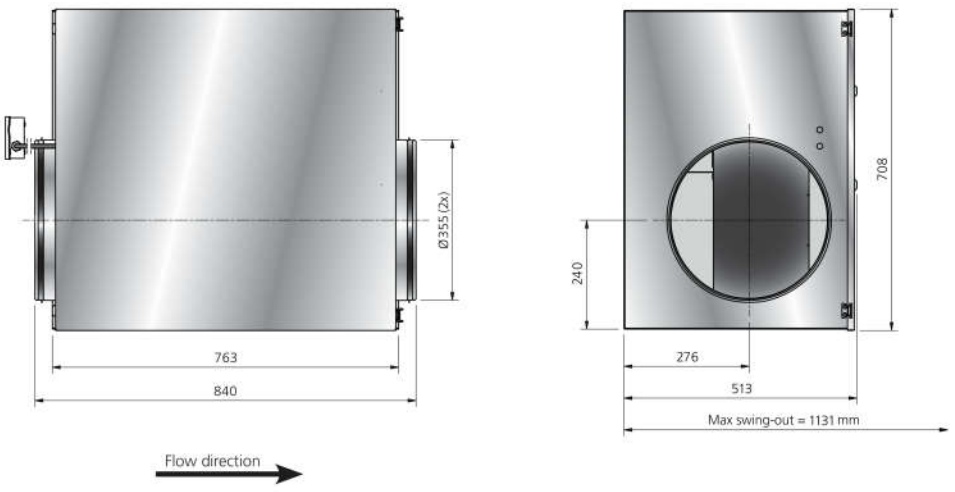
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 230V	51	58	45	55	54	41	40	35	33	29
5. Outlet 230V		75	61	72	69	60	59	67	53	49
5. Inlet 230V		70	60	69	63	50	41	40	37	35
4. Inlet 165V		68	58	66	59	47	38	38	34	32
3. Inlet 135V		58	56	53	48	36	32	28	26	20
2. Inlet 110V		48	45	43	38	29	26	20	18	10
1. Inlet 80V		38	28	36	34	17	16	15	13	9

TRANSFORMER STEPS

1. 80V **2.** 110V **3.** 135V **4.** 165V **5.** 230V

DIMENSIONS (mm)



IRB 355 D3 ErP AC

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
- Transformer VRDT 2, VRTT 1

- 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

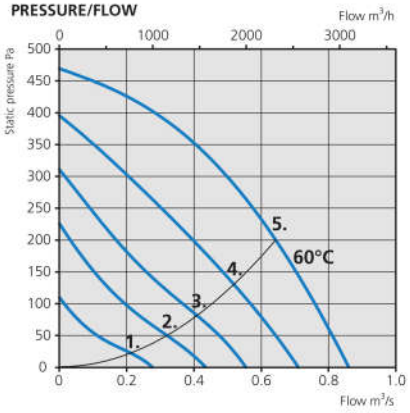
TECHNICAL DATA

IRB 355 D3 ErP AC	Art.no. 7890115	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	0.80 / 1.39	A
Power	397	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	52	dB(A)
Weight	46.7	kg
Wiring diagram	Y 4040004 / Δ 4040003	

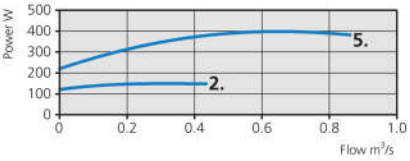
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	52	59	46	57	54	42	37	32	30	27
5. Outlet 400V		75	64	73	70	61	59	56	54	48
5. Inlet 400V		70	61	68	63	52	42	40	37	34
4. Inlet 240V		64	57	62	57	43	35	33	32	27
3. Inlet 185V		59	55	56	52	35	28	28	28	31
2. Inlet 145V		54	52	45	45	27	22	25	20	13
1. Inlet 95V		42	41	34	33	15	17	18	13	9

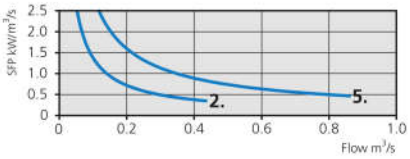
PRESSURE/FLOW



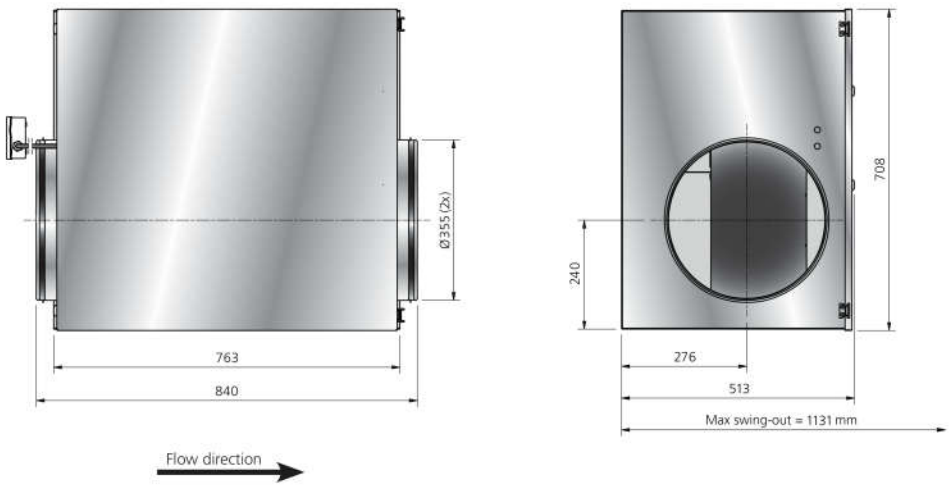
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

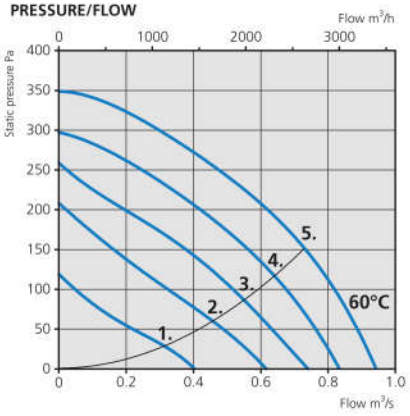
IRB 400 B3 ErP AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

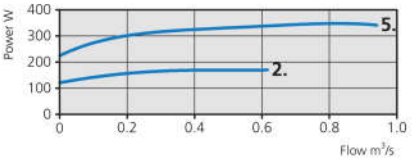
ACCESSORIES

- 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
- Transformer VRDT 2, VRTT 1

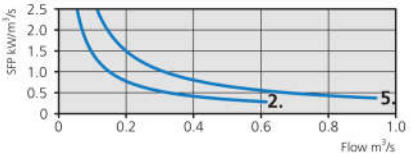
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

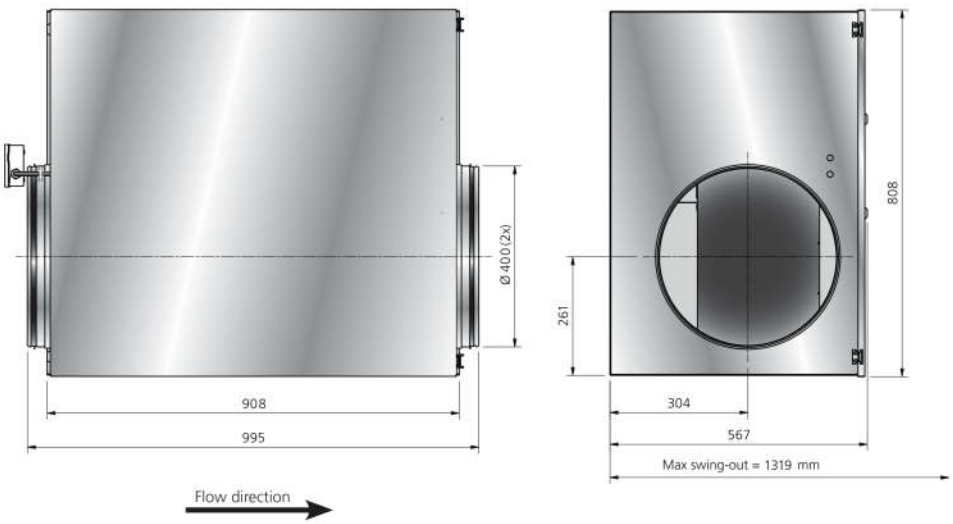
TECHNICAL DATA

IRB 400 B3 ErP AC	Art.no. 7890116	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	0.78 / 1.36	A
Power	355	W
Speed	930	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	63.2	kg
Wiring diagram	Y 4040004 / Δ 4040003	

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	45	52	49	48	48	42	36	28	28	28
5. Outlet 400V		74	65	73	65	57	53	51	50	39
5. Inlet 400V		69	59	67	60	54	44	37	31	35
4. Inlet 240V		64	62	56	54	49	39	33	31	32
3. Inlet 185V		59	56	52	51	45	34	30	27	28
2. Inlet 145V		52	49	46	46	36	28	26	22	23
1. Inlet 95V		42	38	36	36	20	18	16	16	11

DIMENSIONS (mm)



IRB 400 E3 ErP AC

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
- Transformer VRDT 4, VRTT 4

- 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

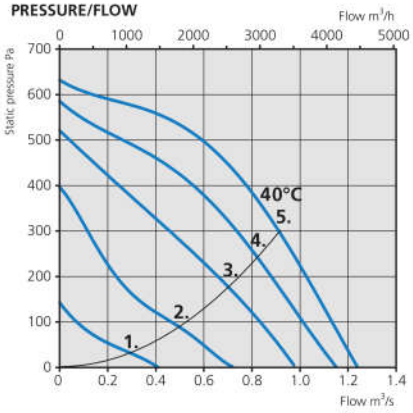
TECHNICAL DATA

IRB 400 E3 ErP AC	Art.no. 7890117	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	2.28 / 3.97	A
Power	739	W
Speed	1440	rpm
Capacitor	-	µF
Max. temperature of transported air	40	C°
Max. temperature of transported air when speed controlled	40	C°
Sound pressure level at 3 m	53	dB(A)
Weight	68.4	kg
Wiring diagram	Y 4040004 / Δ 4040003	

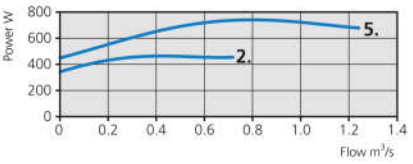
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	53	60	48	56	57	46	44	37	35	30
5. Outlet 400V		78	65	75	73	66	64	59	59	53
5. Inlet 400V		71	61	68	65	60	54	45	42	40
4. Inlet 240V		68	59	65	52	58	52	42	39	38
3. Inlet 185V		65	57	52	58	54	50	36	35	34
2. Inlet 145V		59	56	52	50	48	43	31	28	25
1. Inlet 95V		47	44	42	37	35	19	18	15	11

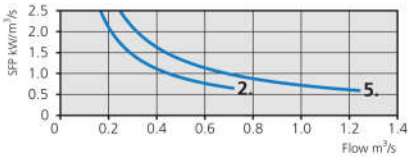
PRESSURE/FLOW



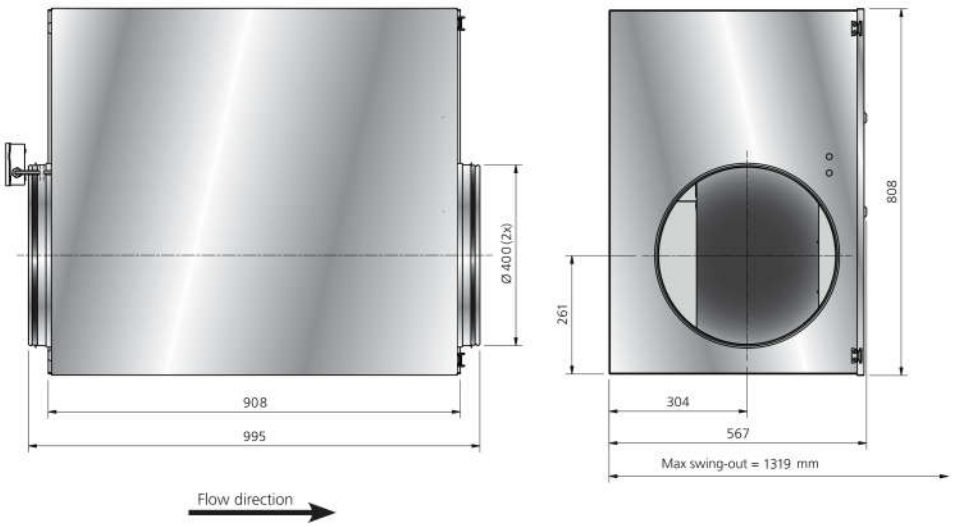
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

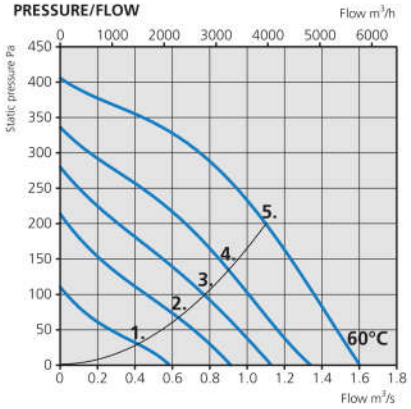
IRB 500 B3 ErP AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

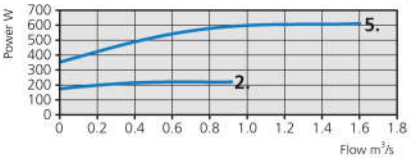
ACCESSORIES

- 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
- Transformer VRDT 2, VRTT 2

PRESSURE/FLOW



POWER/FLOW



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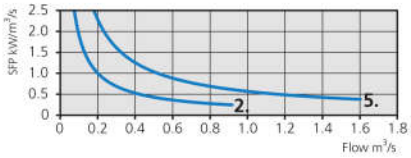


TECHNICAL DATA

IRB 500 B3 ErP AC	Art.no. 7890118	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	1.42 / 2.47	A
Power	611	W
Speed	890	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	87.0	kg
Wiring diagram	Y 4040004 / Δ 4040003	

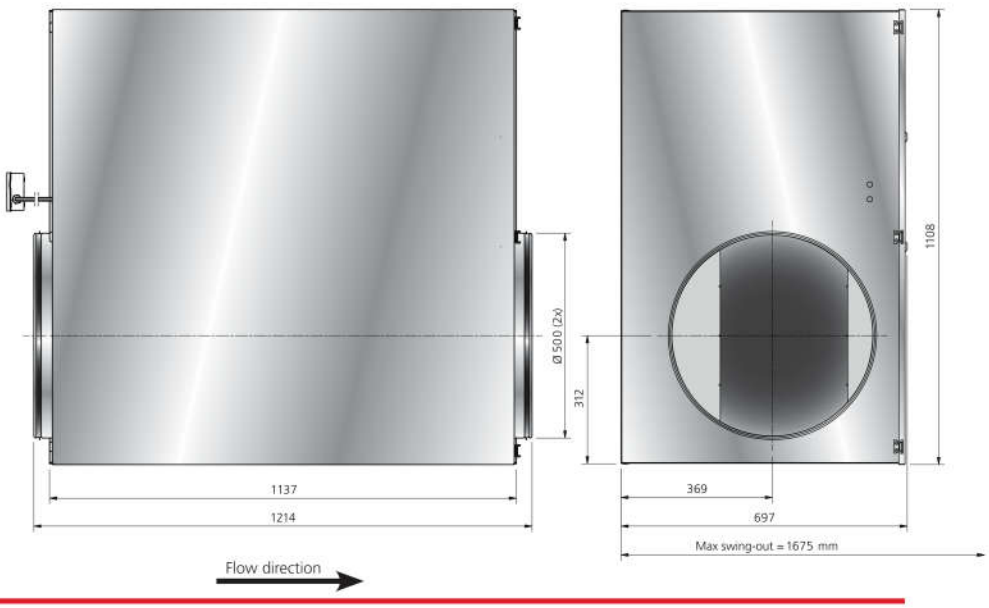
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	52	59	54	58	51	39	36	34	31	28
5. Outlet 400V		74	66	72	63	58	58	54	55	45
5. Inlet 400V		67	60	66	56	44	43	41	39	39
4. Inlet 240V		62	59	57	49	38	38	35	35	33
3. Inlet 185V		60	59	52	43	33	33	31	32	27
2. Inlet 145V		55	54	45	36	27	27	28	26	21
1. Inlet 95V		38	36	33	25	17	19	21	15	13

TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

DIMENSIONS (mm)



IRB 500 E3 ErP AC

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
- Transformer VRDT 4, VRTT 4

- 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.

- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

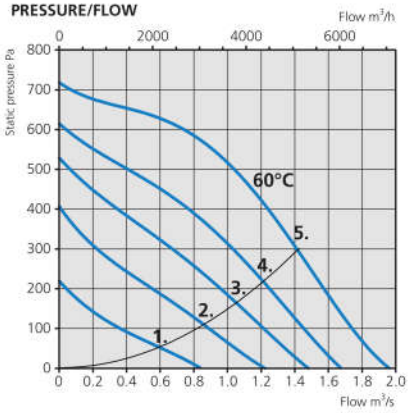
TECHNICAL DATA

IRB 500 E3 ErP AC	Art.no. 7890119	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	2.58 / 4.49	A
Power	1130	W
Speed	1371	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	58	dB(A)
Weight	89.2	kg
Wiring diagram	Y 4040004 / Δ 4040003	

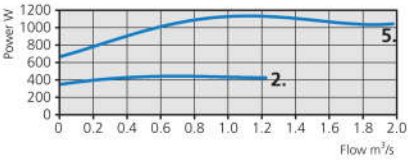
SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	58	65	51	63	60	50	41	39	36	32
5. Outlet 400V		81	65	78	74	70	70	65	63	62
5. Inlet 400V		73	62	72	64	53	51	49	47	46
4. Inlet 240V		69	59	68	59	48	47	45	43	42
3. Inlet 185V		67	56	66	56	43	42	41	41	37
2. Inlet 145V		62	55	61	50	37	38	36	37	32
1. Inlet 95V		54	52	48	39	27	29	32	27	23

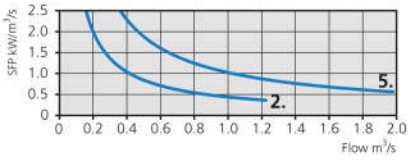
PRESSURE/FLOW



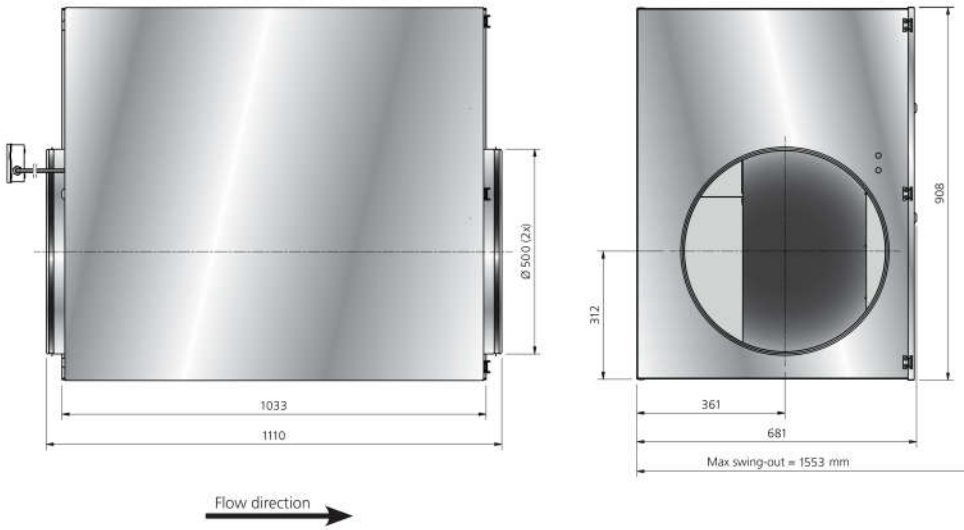
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

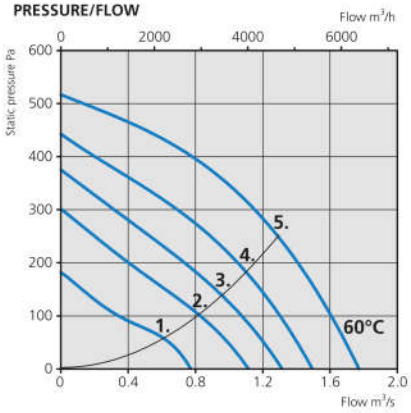
IRB 500 J3 ErP AC

- 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.
- 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.
- For speed control a transformer or electronic speed controller can be connected.
- 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.

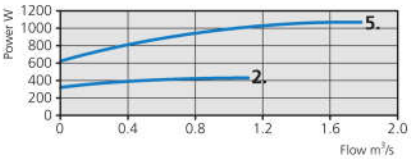
ACCESSORIES

- 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
- Transformer VRDT 4, VRTT 4

PRESSURE/FLOW



POWER/FLOW



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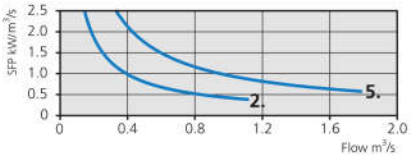

TECHNICAL DATA

IRB 500 J3 ErP AC	Art.no. 7890120	
Voltage	Y 400/Δ 230 / 50	V/Hz
Voltage range	380-415/50	V/Hz
Phase	3	~
Current	2.83 / 4.92	A
Power	1070	W
Speed	910	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	55	dB(A)
Weight	114.0	kg
Wiring diagram	Y 4040004 / Δ 4040003	

SOUND DATA

	L_{pA}	L_{wA} tot dB (A)	63	125	250	500	1K	2K	4K	8K
5. Surrounding 400V	55	62	53	62	53	43	40	34	32	30
5. Outlet 400V		80	68	79	65	62	62	57	54	50
5. Inlet 400V		71	63	70	58	51	50	50	50	47
4. Inlet 240V		66	63	62	53	45	46	47	45	42
3. Inlet 185V		63	61	57	48	41	42	44	40	37
2. Inlet 145V		59	58	52	44	36	38	39	33	32
1. Inlet 95V		46	43	42	32	25	27	25	23	21

TRANSFORMER STEPS

1. 95V **2.** 145V **3.** 185V **4.** 240V **5.** 400V

DIMENSIONS (mm)