

INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 400x200 A1 AC



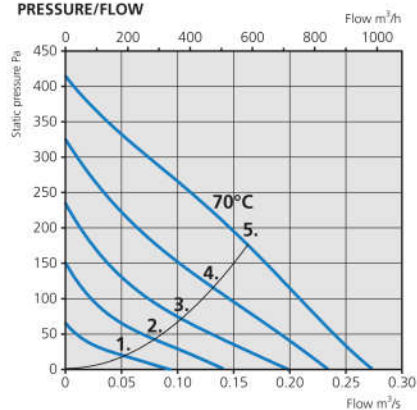
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

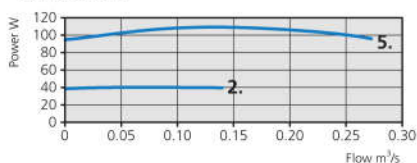
ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 400x200, for reducing vibration in ventilation systems
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 0.5

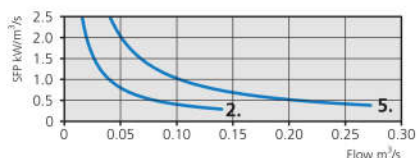
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

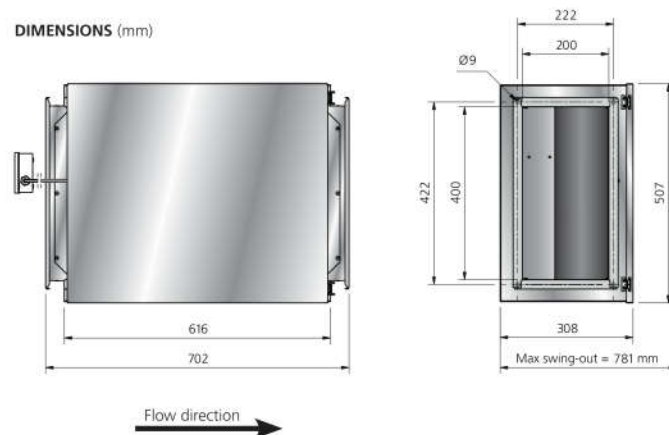
TECHNICAL DATA

| IRB 400x200 A1 AC | Art.no. 7880029 |
|---|-----------------|
| Voltage | 230/50 V/Hz |
| Voltage range | 220-240/50 V/Hz |
| Phase | 1 ~ |
| Current | 0.48 A |
| Power | 109 W |
| Speed | 2480 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 | 47 dB(A) |
| Weight | 23.6 kg |
| Wiring diagram | 4040001 |

SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 230V | 47 | 54 | 30 | 38 | 53 | 43 | 40 | 42 | 33 | 29 |
| 5. Outlet 230V | | 70 | 52 | 57 | 64 | 62 | 59 | 64 | 58 | 50 |
| 5. Inlet 230V | | 63 | 49 | 57 | 60 | 51 | 48 | 48 | 46 | 39 |
| 4. Inlet 165V | | 59 | 46 | 53 | 56 | 45 | 42 | 42 | 38 | 30 |
| 3. Inlet 135V | | 55 | 43 | 50 | 53 | 39 | 37 | 36 | 28 | 19 |
| 2. Inlet 110V | | 47 | 38 | 45 | 40 | 32 | 30 | 27 | 15 | 8 |
| 1. Inlet 80V | | 43 | 33 | 41 | 33 | 24 | 20 | 12 | 6 | 5 |

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS



IRB 400x200 B1 ErP AC

ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 400x200, for reducing vibration in ventilation systems
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 1.0

- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

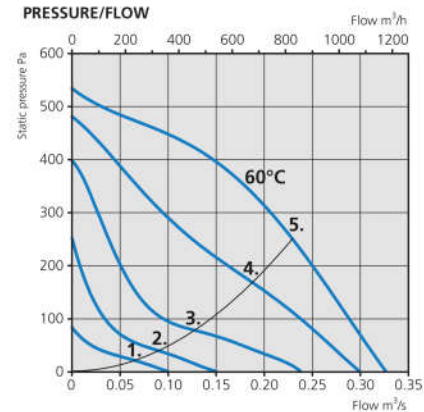
TECHNICAL DATA

| IRB 400x200 B1 ErP AC | Art.no. 7880030 |
|---|-----------------|
| Voltage | 230/50 V/Hz |
| Voltage range | 220-240/50 V/Hz |
| Phase | 1 ~ |
| Current | 0.88 A |
| Power | 172 W |
| Speed | 2670 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 | 50 dB(A) |
| Weight | 24.3 kg |
| Wiring diagram | 4040001 |

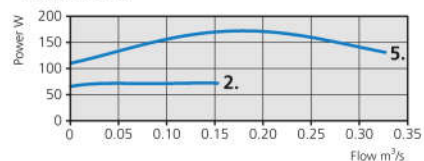
SOUND DATA

| | L_{pA} | L_{wA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|----------|---------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 230V | 50 | 57 | 34 | 39 | 54 | 50 | 47 | 46 | 39 | 36 |
| 5. Outlet 230V | | 74 | 57 | 60 | 68 | 68 | 66 | 66 | 61 | 57 |
| 5. Inlet 230V | | 65 | 54 | 58 | 62 | 57 | 52 | 47 | 47 | 44 |
| 4. Inlet 165V | | 62 | 51 | 55 | 61 | 49 | 43 | 40 | 40 | 35 |
| 3. Inlet 135V | | 53 | 42 | 49 | 48 | 37 | 32 | 31 | 29 | 20 |
| 2. Inlet 110V | | 48 | 36 | 46 | 40 | 30 | 26 | 27 | 16 | 8 |
| 1. Inlet 80V | | 45 | 39 | 43 | 32 | 20 | 16 | 9 | 4 | 4 |

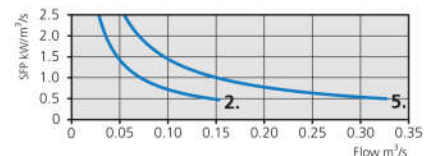
PRESSURE/FLOW



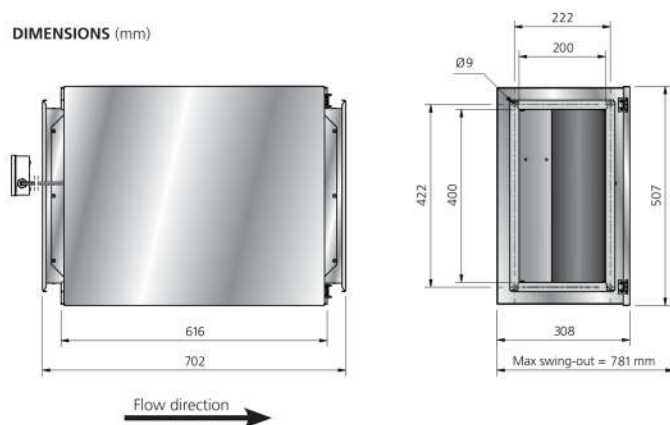
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

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

INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 400x200 E1 ErP AC



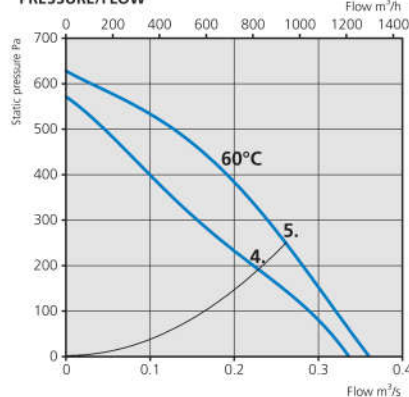
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

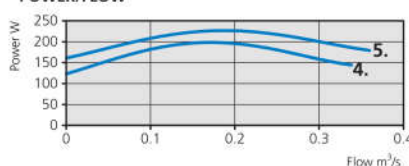
ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 400x200, for reducing vibration in ventilation systems
- Electronic speed controller, VRS 2.0

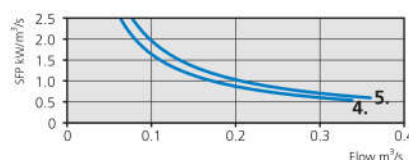
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

This product cannot be speed controlled below 165 V.

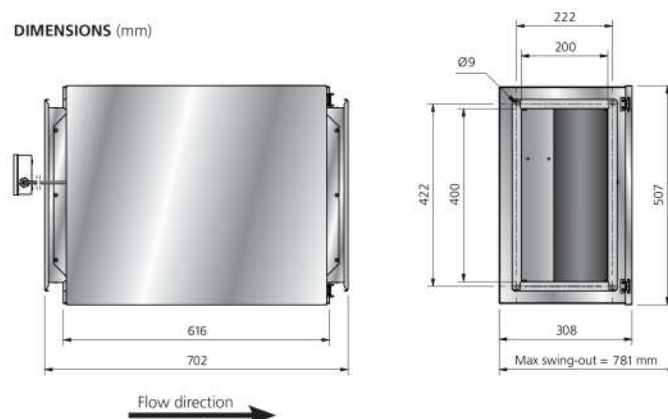
TECHNICAL DATA

| IRB 400x200 E1 ErP AC | Art.no. 7880031 |
|---|-----------------|
| Voltage | 230/50 V/Hz |
| Voltage range | 220-240/50 V/Hz |
| Phase | 1 ~ |
| Current | 1.23 A |
| Power | 228 W |
| Speed | 2760 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 | 50 dB(A) |
| Weight | 24.9 kg |
| Wiring diagram | 4040001 |

SOUND DATA

| | L_{pA} | L_{wA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|----------|---------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 230V | 50 | 57 | 39 | 44 | 55 | 51 | 45 | 45 | 38 | 34 |
| 5. Outlet 230V | | 76 | 59 | 63 | 69 | 70 | 66 | 68 | 63 | 57 |
| 5. Inlet 230V | | 68 | 56 | 61 | 64 | 61 | 55 | 51 | 46 | 44 |
| 4. Inlet 165V | | 66 | 52 | 58 | 63 | 56 | 50 | 48 | 41 | 39 |

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS



IRB 500x250 A1 AC

ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 500x250, for reducing vibration in ventilation systems
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 1.0

- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

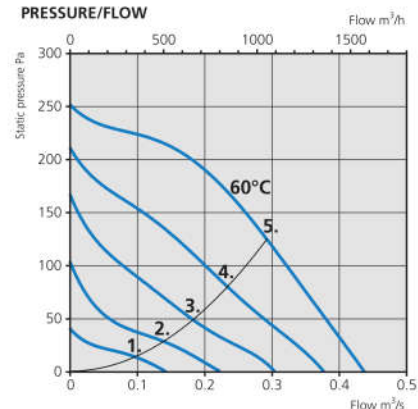
TECHNICAL DATA

| IRB 500x250 A1 AC | Art.no. 7880032 |
|---|-----------------|
| Voltage | 230/50 V/Hz |
| Voltage range | 220-240/50 V/Hz |
| Phase | 1 ~ |
| Current | 0.60 A |
| Power | 136 W |
| Speed | 1270 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 | 38.0 kg |
| Wiring diagram | 4040001 |

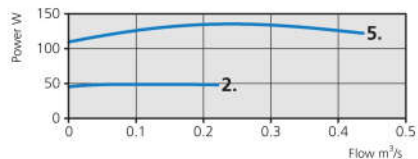
SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 230V | 45 | 52 | 33 | 47 | 49 | 42 | 42 | 33 | 30 | 28 |
| 5. Outlet 230V | | 67 | 54 | 63 | 62 | 57 | 57 | 55 | 52 | 42 |
| 5. Inlet 230V | | 62 | 52 | 59 | 55 | 49 | 41 | 39 | 39 | 32 |
| 4. Inlet 165V | | 58 | 50 | 56 | 50 | 42 | 34 | 32 | 32 | 21 |
| 3. Inlet 135V | | 57 | 47 | 50 | 55 | 35 | 28 | 26 | 22 | 16 |
| 2. Inlet 110V | | 50 | 39 | 48 | 43 | 27 | 21 | 16 | 13 | 12 |
| 1. Inlet 80V | | 46 | 26 | 46 | 33 | 15 | 9 | 9 | 12 | 12 |

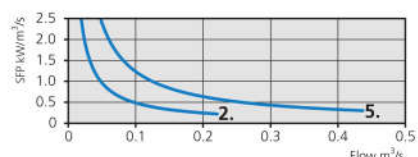
PRESSURE/FLOW



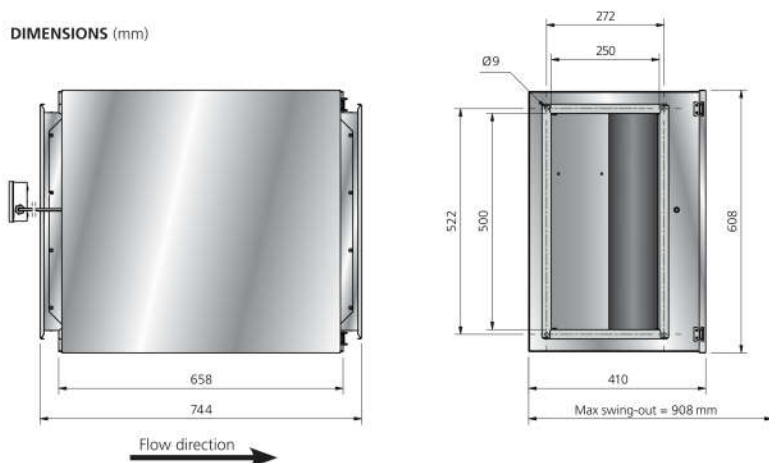
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

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

INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 500x250 B1 ErP AC



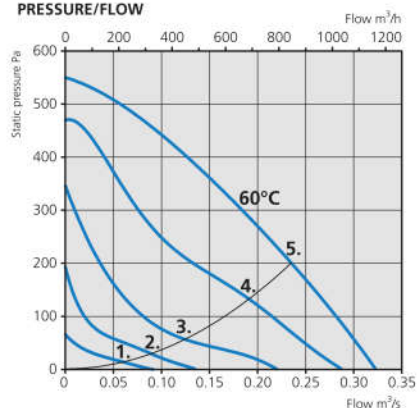
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

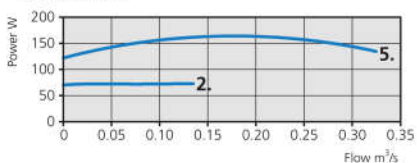
ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 500x250, for reducing vibration in ventilation systems
- Transformer VRDE 1.5, VRTE C
- Electronic speed controller, VRS 1.0

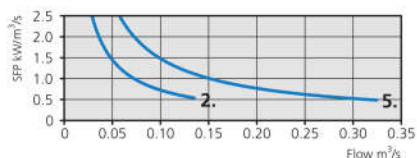
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

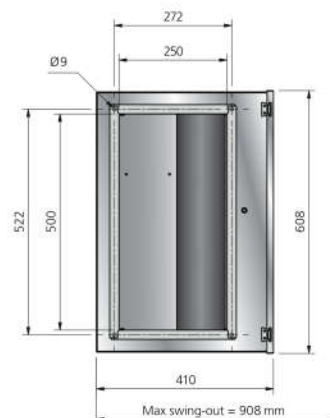
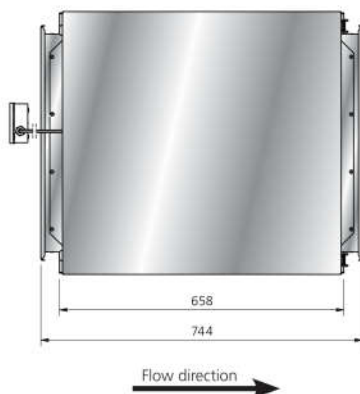
TECHNICAL DATA

| IRB 500x250 B1 ErP AC | Art.no. 7880033 |
|---|-----------------|
| Voltage | 230/50 V/Hz |
| Voltage range | 220-240/50 V/Hz |
| Phase | 1 ~ |
| Current | 0.86 A |
| Power | 164 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 | 47 dB(A) |
| Weight | 36.3 kg |
| Wiring diagram | 4040001 |

SOUND DATA

| | L_{pA} | L_{wA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|----------|---------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 230V | 47 | 54 | 34 | 39 | 51 | 46 | 44 | 43 | 36 | 35 |
| 5. Outlet 230V | | 73 | 54 | 56 | 69 | 64 | 64 | 66 | 61 | 62 |
| 5. Inlet 230V | | 64 | 56 | 54 | 60 | 52 | 54 | 50 | 49 | 52 |
| 4. Inlet 165V | | 60 | 47 | 51 | 58 | 47 | 50 | 46 | 47 | 48 |
| 3. Inlet 135V | | 58 | 43 | 52 | 56 | 38 | 39 | 39 | 44 | 24 |
| 2. Inlet 110V | | 51 | 38 | 50 | 37 | 29 | 31 | 41 | 30 | 11 |
| 1. Inlet 80V | | 50 | 47 | 47 | 33 | 19 | 26 | 26 | 13 | 9 |

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS



IRB 500x250 E1 ErP AC

ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 500x250, for reducing vibration in ventilation systems
- Electronic speed controller, VRS 2.0

- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

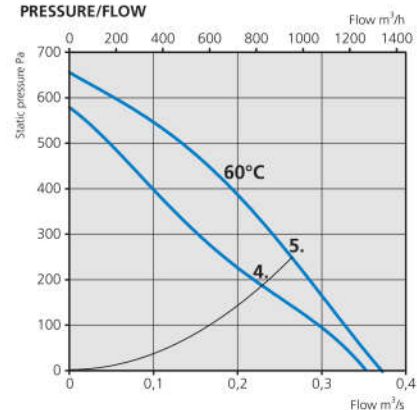
TECHNICAL DATA

| IRB 500x250 E1 ErP AC | Art.no. 7880034 |
|---|-----------------|
| Voltage | 230/50 V/Hz |
| Voltage range | 220-240/50 V/Hz |
| Phase | 1 ~ |
| Current | 1.26 A |
| Power | 233 W |
| Speed | 2740 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 | 47 dB(A) |
| Weight | 36.8 kg |
| Wiring diagram | 4040001 |

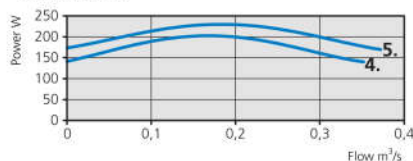
SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 230V | 47 | 54 | 44 | 40 | 50 | 47 | 45 | 46 | 39 | 34 |
| 5. Outlet 230V | | 73 | 53 | 55 | 66 | 64 | 65 | 68 | 63 | 57 |
| 5. Inlet 230V | | 65 | 56 | 57 | 60 | 53 | 57 | 56 | 54 | 48 |
| 4. Inlet 165V | | 61 | 46 | 51 | 58 | 49 | 53 | 53 | 49 | 43 |

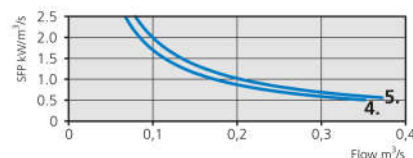
PRESSURE/FLOW



POWER/FLOW



SFP

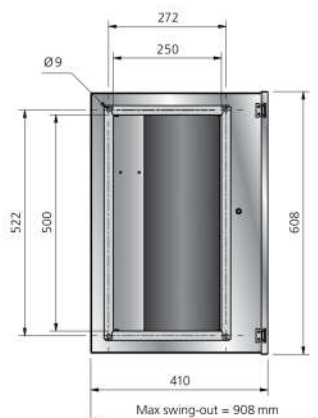
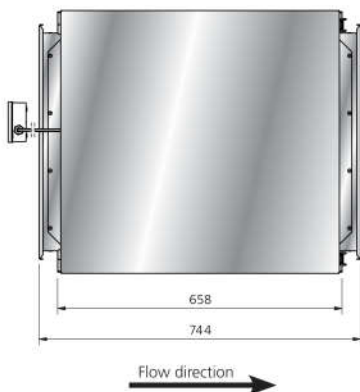


TRANSFORMER STEPS

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

This product cannot be speed controlled below 165 V.

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 600x300 B3 ErP AC



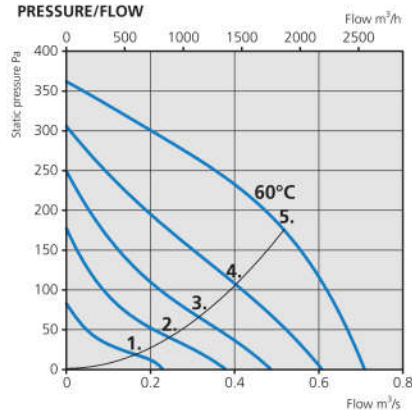
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

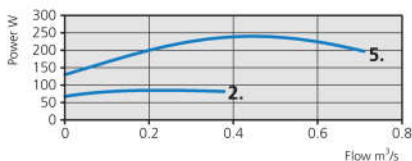
ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 600x300, for reducing vibration in ventilation systems
- Transformer VRDT 2, VRTT 1

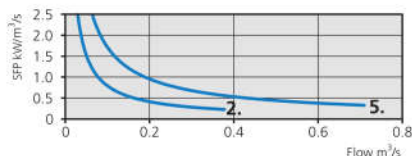
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

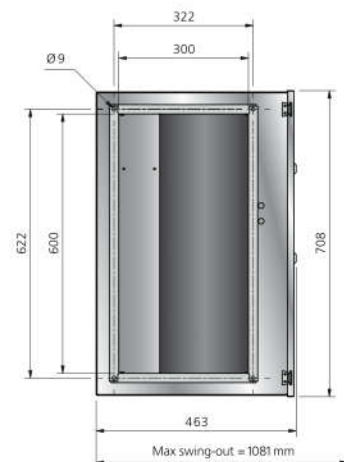
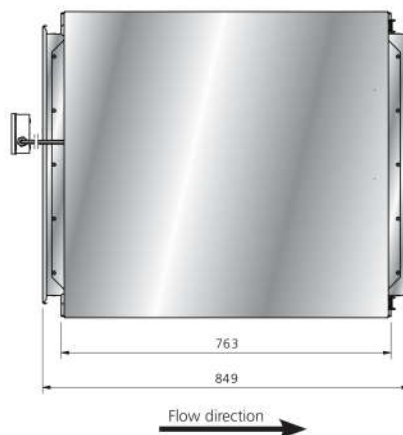
TECHNICAL DATA

| IRB 600x300 B3 ErP AC | Art.no. 7890104 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 0.46 / 0.80 A |
| Power | 240 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 | 44.7 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 | 38 | 57 | 53 | 42 | 38 | 33 | 30 | 28 |
| 5. Outlet 400V | | 72 | 57 | 69 | 67 | 59 | 59 | 54 | 53 | 49 |
| 5. Inlet 400V | | 65 | 53 | 63 | 58 | 49 | 42 | 41 | 42 | 38 |
| 4. Inlet 240V | | 58 | 50 | 56 | 51 | 41 | 35 | 34 | 37 | 30 |
| 3. Inlet 185V | | 53 | 50 | 48 | 44 | 34 | 30 | 29 | 33 | 21 |
| 2. Inlet 145V | | 47 | 45 | 40 | 39 | 29 | 25 | 27 | 19 | 11 |
| 1. Inlet 95V | | 35 | 31 | 31 | 26 | 17 | 16 | 14 | 12 | 10 |

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS



IRB 600x350 B3 ErP AC

ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 600x350, for reducing vibration in ventilation systems
- Transformer VRDT 2, VRTT 1

- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

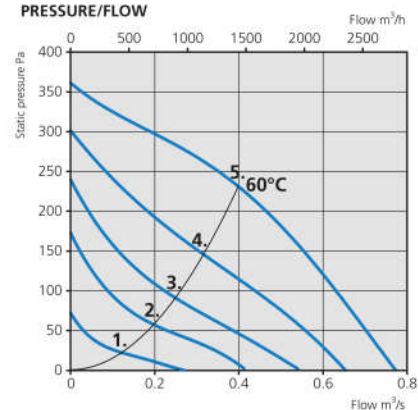
TECHNICAL DATA

| IRB 600x350 B3 ErP AC | Art.no. 7890112 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 0.46 / 0.80 A |
| Power | 235 W |
| Speed | 1330 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 | 49.0 kg |
| Wiring diagram | Y 4040004 / Δ 4040003 |

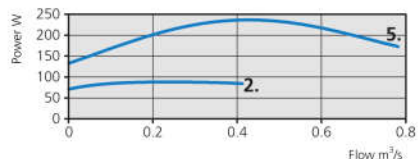
SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 400V | 47 | 54 | 32 | 52 | 48 | 38 | 37 | 35 | 33 | 31 |
| 5. Outlet 400V | | 68 | 52 | 66 | 62 | 54 | 57 | 52 | 50 | 44 |
| 5. Inlet 400V | | 63 | 48 | 62 | 54 | 45 | 41 | 42 | 40 | 36 |
| 4. Inlet 240V | | 59 | 46 | 58 | 51 | 38 | 35 | 35 | 36 | 29 |
| 3. Inlet 185V | | 53 | 49 | 49 | 43 | 30 | 28 | 34 | 33 | 19 |
| 2. Inlet 145V | | 46 | 44 | 39 | 38 | 28 | 21 | 31 | 16 | 10 |
| 1. Inlet 95V | | 33 | 30 | 29 | 23 | 11 | 19 | 14 | 12 | 9 |

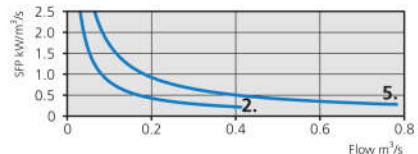
PRESSURE/FLOW



POWER/FLOW



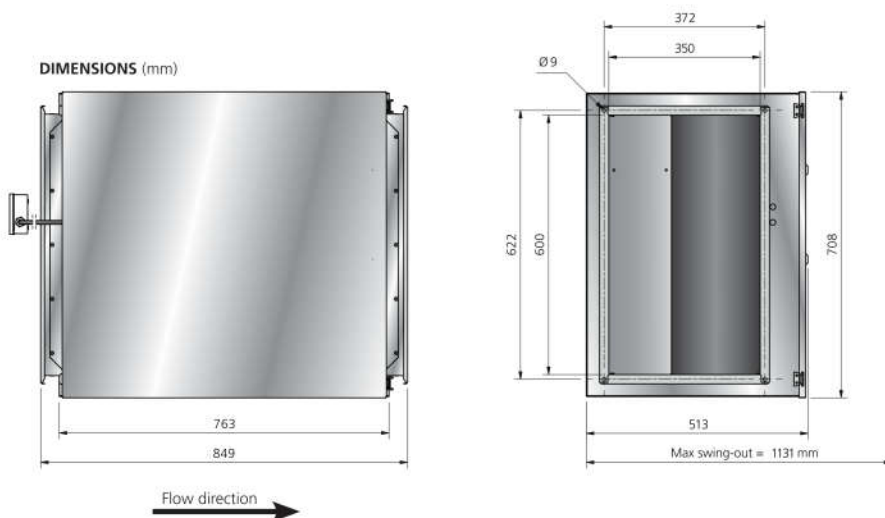
SFP



TRANSFORMER STEPS

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

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 600x350 D1 ErP AC



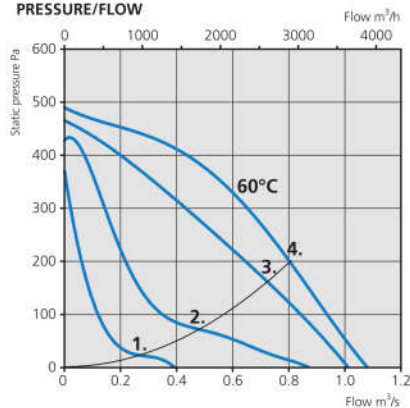
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

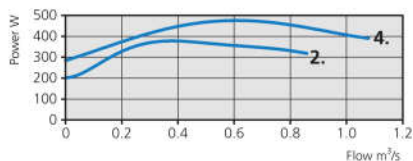
ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 600x350, for reducing vibration in ventilation systems
- Transformer VRDE 7, VRTE 5
- Electronic speed controller, VRS 4.0

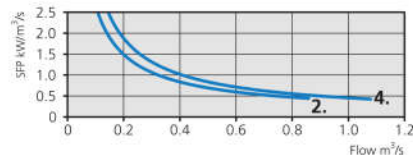
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

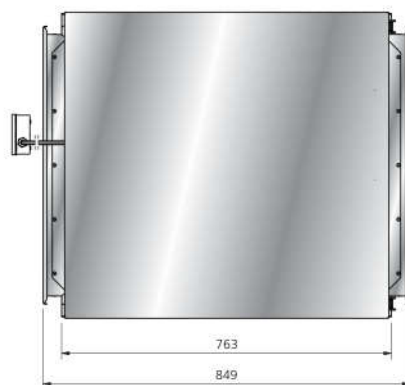
TECHNICAL DATA

| IRB 600x350 D1 ErP AC | Art.no. 7890105 |
|---|-----------------|
| Voltage | 230/50 V/Hz |
| Voltage range | 220-240/50 V/Hz |
| Phase | 1 ~ |
| Current | 3.15 A |
| Power | 476 W |
| Speed | 1390 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 | 55 dB(A) |
| Weight | 52.1 kg |
| Wiring diagram | 4040005 |

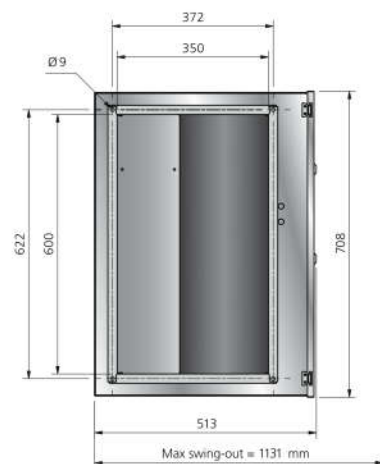
SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 230V | 55 | 62 | 41 | 60 | 58 | 48 | 45 | 37 | 33 | 32 |
| 5. Outlet 230V | | 77 | 61 | 74 | 73 | 65 | 65 | 60 | 58 | 57 |
| 5. Inlet 230V | | 71 | 58 | 69 | 65 | 58 | 51 | 48 | 47 | 44 |
| 4. Inlet 165V | | 67 | 56 | 65 | 60 | 52 | 46 | 44 | 42 | 41 |
| 3. Inlet 135V | | 55 | 51 | 52 | 47 | 38 | 37 | 32 | 36 | 17 |
| 2. Inlet 110V | | 55 | 42 | 54 | 40 | 26 | 34 | 29 | 14 | 11 |
| 1. Inlet 80V | | 50 | 32 | 50 | 36 | 16 | 18 | 14 | 12 | 9 |

DIMENSIONS (mm)



Flow direction →



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS



IRB 600x350 D3 ErP AC

ACCESSORIES

- Mounting brackets Universal Kit
- Rectangular flexible connection, 600x350, for reducing vibration in ventilation systems
- Transformer VRDT 2, VRTT 2

- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

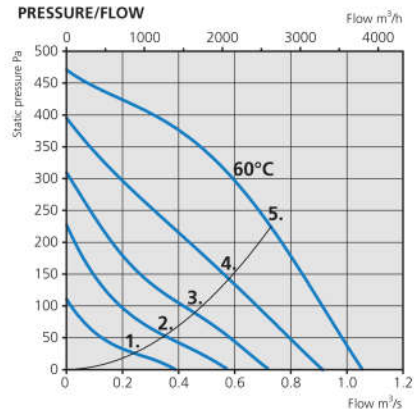
TECHNICAL DATA

| IRB 600x350 D3 ErP AC | Art.no. 7890106 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 0.83 / 1.44 A |
| Power | 427 W |
| Speed | 1330 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 | 53 dB(A) |
| Weight | 50.6 kg |
| Wiring diagram | Y 4040004 / Δ 4040003 |

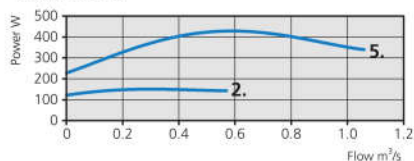
SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 400V | 53 | 60 | 39 | 58 | 56 | 45 | 42 | 37 | 34 | 33 |
| 5. Outlet 400V | | 76 | 63 | 73 | 70 | 63 | 62 | 57 | 55 | 54 |
| 5. Inlet 400V | | 68 | 56 | 66 | 61 | 55 | 48 | 47 | 45 | 41 |
| 4. Inlet 240V | | 65 | 53 | 64 | 57 | 46 | 41 | 40 | 39 | 34 |
| 3. Inlet 185V | | 58 | 54 | 54 | 49 | 39 | 35 | 34 | 36 | 23 |
| 2. Inlet 145V | | 51 | 49 | 44 | 42 | 31 | 28 | 31 | 33 | 14 |
| 1. Inlet 95V | | 38 | 35 | 33 | 29 | 19 | 19 | 24 | 12 | 10 |

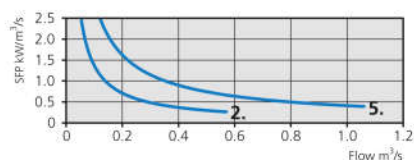
PRESSURE/FLOW



POWER/FLOW



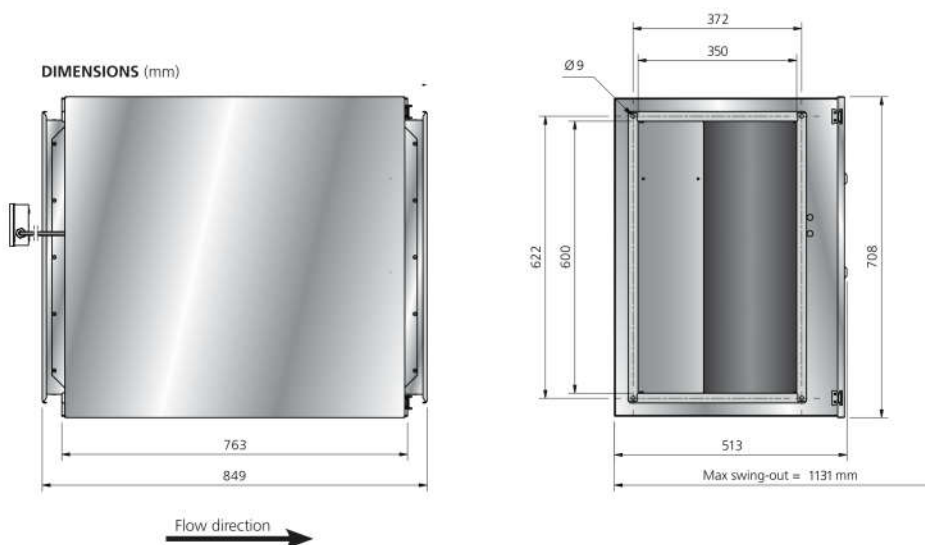
SFP



TRANSFORMER STEPS

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

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 700x400 B3 ErP AC



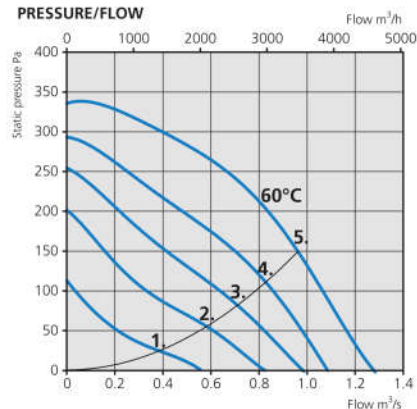
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

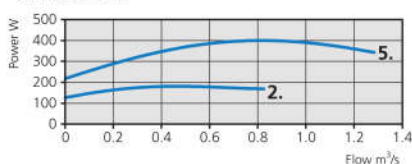
ACCESSORIES

- Rectangular flexible connection, 700x400, for reducing vibration in ventilation systems
- Transformer VRDT 1, VRTT 2

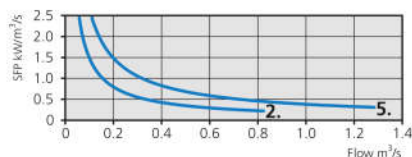
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

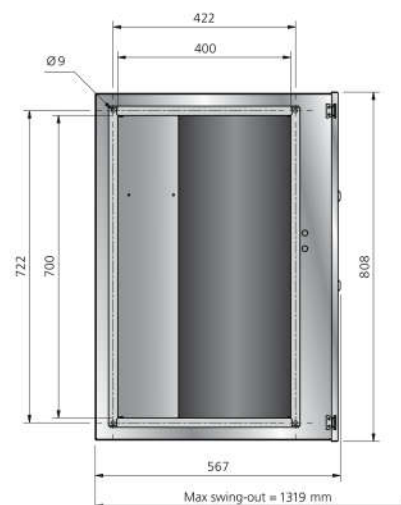
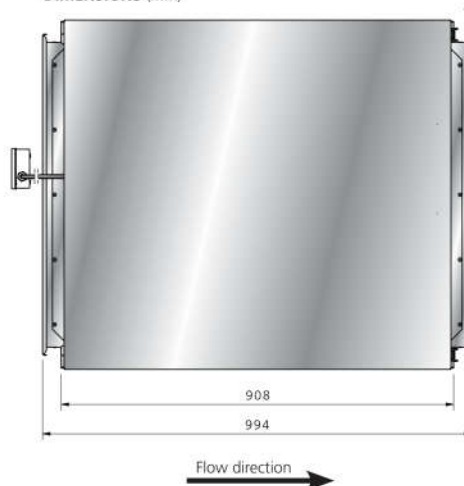
TECHNICAL DATA

| IRB 700x400 B3 ErP AC | Art.no. 7890107 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 0.86 / 1.50 A |
| Power | 401 W |
| Speed | 920 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 | 64.0 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 | 49 | 56 | 46 | 54 | 52 | 42 | 36 | 31 | 29 | 27 |
| 5. Outlet 400V | | 74 | 64 | 73 | 65 | 60 | 57 | 52 | 53 | 44 |
| 5. Inlet 400V | | 68 | 58 | 67 | 59 | 57 | 50 | 43 | 40 | 36 |
| 4. Inlet 240V | | 62 | 57 | 57 | 55 | 52 | 45 | 39 | 35 | 30 |
| 3. Inlet 185V | | 59 | 55 | 53 | 52 | 48 | 40 | 34 | 31 | 26 |
| 2. Inlet 145V | | 54 | 51 | 48 | 47 | 40 | 33 | 28 | 24 | 20 |
| 1. Inlet 95V | | 42 | 38 | 38 | 36 | 25 | 19 | 17 | 13 | 10 |

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS



IRB 700x400 E3 ErP AC

ACCESSORIES

- Rectangular flexible connection, 700x400, for reducing vibration in ventilation systems
- Transformer VRDT 4, VRTT 4

- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

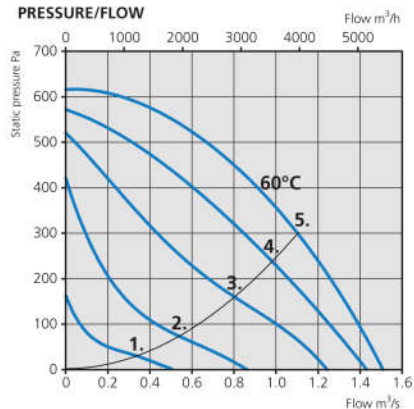
TECHNICAL DATA

| IRB 700x400 E3 ErP AC | Art.no. 7890108 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 2.43 / 4.23 A |
| Power | 818 W |
| Speed | 1430 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 | 59 dB(A) |
| Weight | 69.2 kg |
| Wiring diagram | Y 4040004 / Δ 4040003 |

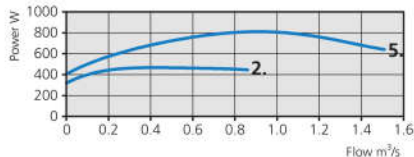
SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 400V | 59 | 66 | 46 | 64 | 61 | 49 | 46 | 40 | 37 | 36 |
| 5. Outlet 400V | | 80 | 70 | 76 | 74 | 69 | 68 | 61 | 60 | 56 |
| 5. Inlet 400V | | 72 | 58 | 70 | 65 | 62 | 56 | 51 | 49 | 44 |
| 4. Inlet 240V | | 69 | 56 | 67 | 61 | 58 | 52 | 47 | 45 | 41 |
| 3. Inlet 185V | | 66 | 54 | 64 | 57 | 53 | 49 | 41 | 39 | 35 |
| 2. Inlet 145V | | 57 | 54 | 50 | 48 | 45 | 35 | 31 | 30 | 21 |
| 1. Inlet 95V | | 46 | 39 | 39 | 34 | 42 | 20 | 18 | 13 | 10 |

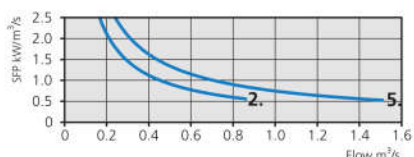
PRESSURE/FLOW



POWER/FLOW



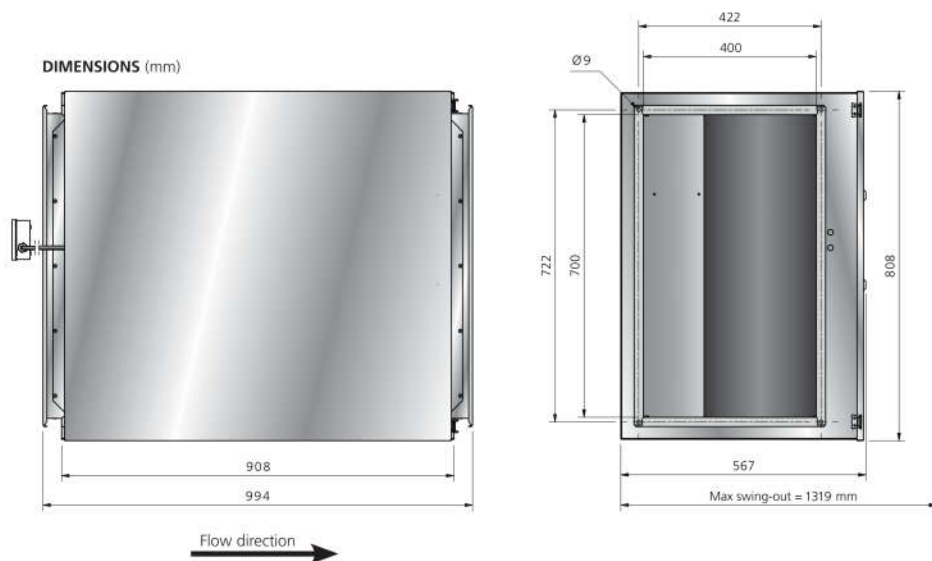
SFP



TRANSFORMER STEPS

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

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 800x500 B3 ErP AC



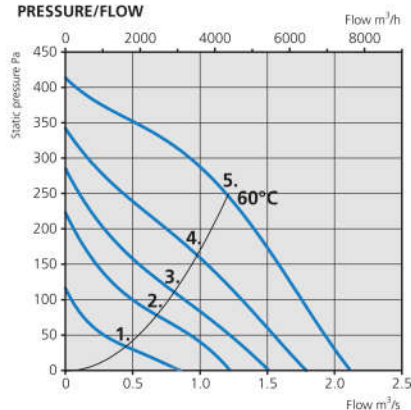
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

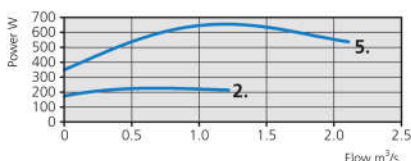
ACCESSORIES

- Rectangular flexible connection, 800x500, for reducing vibration in ventilation systems
- Transformer VRDT 2, VRTT 2

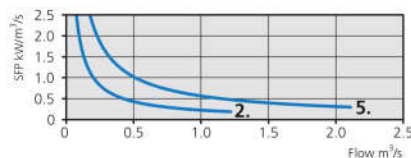
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

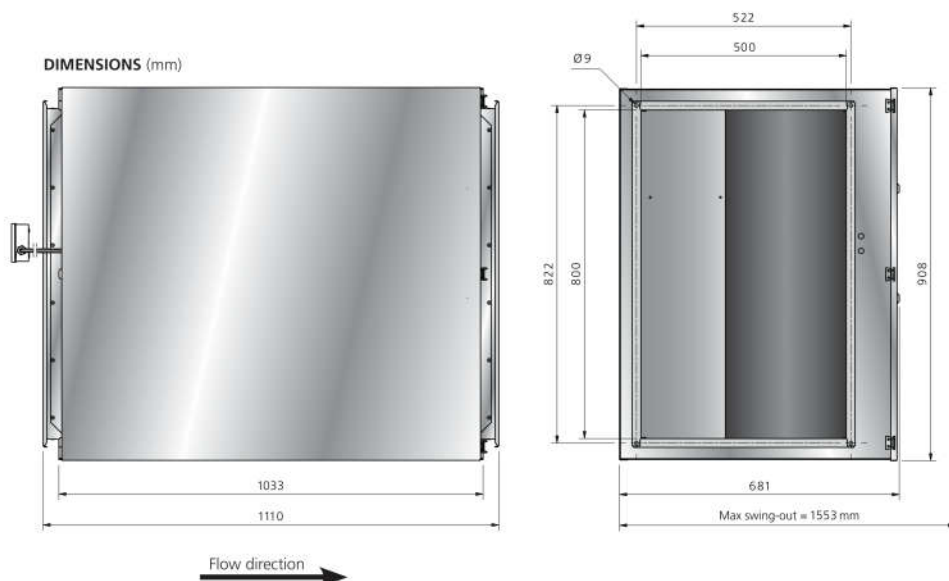
TECHNICAL DATA

| IRB 800x500 B3 ErP AC | Art.no. 7890109 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 1.46 / 2.54 A |
| Power | 656 W |
| Speed | 880 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 | 86.9 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 | 50 | 55 | 50 | 41 | 40 | 37 | 36 | 33 |
| 5. Outlet 400V | | 74 | 68 | 71 | 63 | 59 | 58 | 54 | 51 | 48 |
| 5. Inlet 400V | | 66 | 60 | 64 | 53 | 44 | 44 | 42 | 40 | 40 |
| 4. Inlet 240V | | 58 | 55 | 54 | 46 | 38 | 39 | 37 | 35 | 34 |
| 3. Inlet 185V | | 54 | 52 | 48 | 42 | 34 | 34 | 32 | 32 | 28 |
| 2. Inlet 145V | | 49 | 48 | 43 | 35 | 28 | 27 | 27 | 25 | 21 |
| 1. Inlet 95V | | 37 | 34 | 32 | 26 | 19 | 19 | 22 | 18 | 14 |

DIMENSIONS (mm)



INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS



IRB 800x500 E3 ErP AC

ACCESSORIES

- Rectangular flexible connection, 800x500, for reducing vibration in ventilation systems
- Transformer VRDT 4, VRTT 4

- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

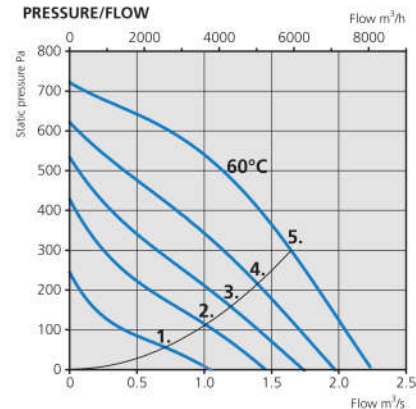
TECHNICAL DATA

| IRB 800x500 E3 ErP AC | Art.no. 7890110 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 2.68 / 4.66 A |
| Power | 1190 W |
| Speed | 1360 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 | 61 dB(A) |
| Weight | 89.1 kg |
| Wiring diagram | Y 4040004 / Δ 4040003 |

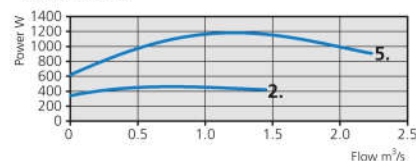
SOUND DATA

| | L _{PA} | L _{WA} tot dB (A) | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
|---------------------|-----------------|----------------------------|----|-----|-----|-----|----|----|----|----|
| 5. Surrounding 400V | 61 | 68 | 49 | 68 | 60 | 52 | 45 | 40 | 40 | 35 |
| 5. Outlet 400V | | 80 | 67 | 76 | 73 | 70 | 69 | 64 | 62 | 60 |
| 5. Inlet 400V | | 74 | 58 | 74 | 62 | 58 | 53 | 51 | 51 | 49 |
| 4. Inlet 240V | | 69 | 55 | 69 | 57 | 52 | 48 | 47 | 47 | 44 |
| 3. Inlet 185V | | 69 | 54 | 68 | 53 | 47 | 44 | 43 | 43 | 39 |
| 2. Inlet 145V | | 62 | 57 | 60 | 47 | 41 | 39 | 38 | 40 | 32 |
| 1. Inlet 95V | | 50 | 48 | 46 | 35 | 30 | 30 | 34 | 29 | 17 |

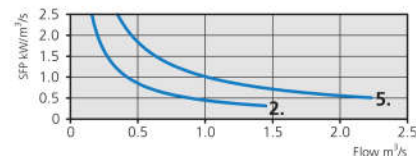
PRESSURE/FLOW



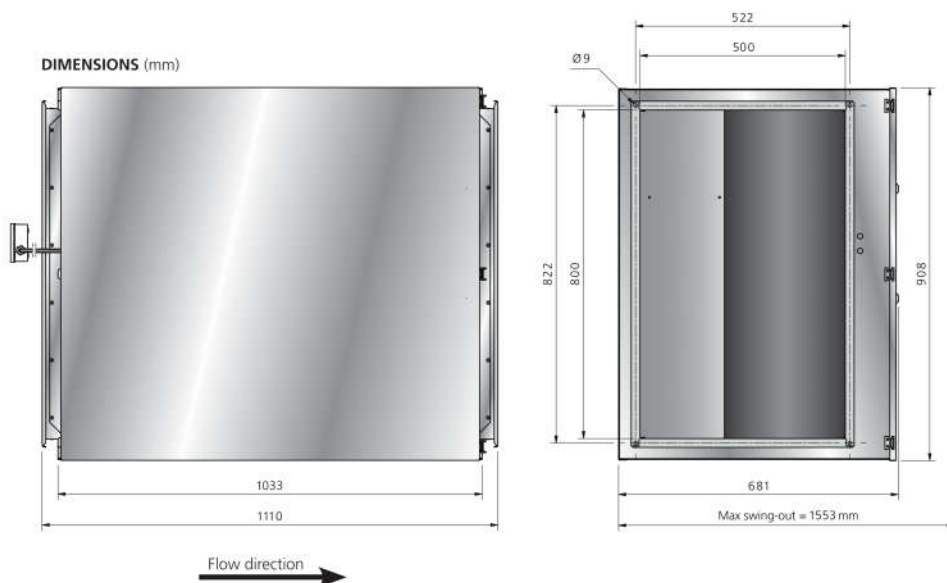
POWER/FLOW



SFP



DIMENSIONS (mm)



TRANSFORMER STEPS

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

INSULATED DUCT FANS WITH RECTANGULAR CONNECTIONS

IRB 1000x500 J3 ErP AC



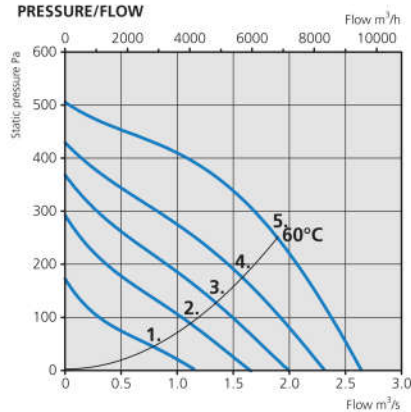
- Insulated duct fan with rectangular connections.
- Equipped with 50 mm of thermal and acoustic insulation makes it ideal for handling cold air.
- Designed for high pressure and long, complicated duct runs.
- The design priorities functionality, durability and longevity.
- The power consumption at highest 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 electric speed controller can be connected.
- The housing is manufactured from galvanized sheet steel.
- The fan is intended to be installed in a duct system.
- When duct connected the fan can be installed outside or in damp environments.

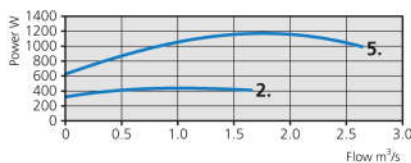
ACCESSORIES

- Rectangular flexible connection, 1000x500, for reducing vibration in ventilation systems
- Transformer VRDT 4, VRTT 4

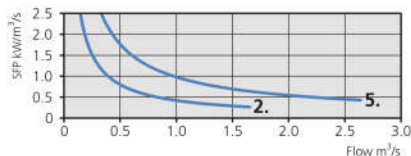
PRESSURE/FLOW



POWER/FLOW



SFP



TRANSFORMER STEPS

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

TECHNICAL DATA

| IRB 1000x500 J3 ErP AC | Art.no. 7890111 |
|---|-----------------------|
| Voltage | Y 400/Δ 230 / 50 V/Hz |
| Voltage range | 380-415/50 V/Hz |
| Phase | 3 ~ |
| Current | 2.89 / 5.03 A |
| Power | 1170 W |
| Speed | 900 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 | 56 dB(A) |
| Weight | 112.7 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 | 56 | 63 | 54 | 62 | 57 | 47 | 42 | 42 | 37 | 32 |
| 5. Outlet 400V | | 79 | 69 | 76 | 69 | 66 | 66 | 62 | 58 | 54 |
| 5. Inlet 400V | | 72 | 63 | 70 | 61 | 54 | 53 | 50 | 48 | 48 |
| 4. Inlet 240V | | 65 | 60 | 62 | 56 | 48 | 49 | 47 | 45 | 41 |
| 3. Inlet 185V | | 61 | 58 | 57 | 51 | 43 | 46 | 43 | 40 | 37 |
| 2. Inlet 145V | | 57 | 55 | 52 | 46 | 37 | 41 | 39 | 35 | 31 |
| 1. Inlet 95V | | 45 | 41 | 41 | 34 | 26 | 31 | 27 | 21 | 18 |

DIMENSIONS (mm)

