



APPLICATION

IBF fans are used in a variety of mechanical ventilation systems, combining the benefits of axial fans - flow direction and radial - stable compressibility, low noise level, high efficiency. Examples of applications include supply and exhaust ventilation of flats, offices, shops, bars, cafes, restaurants.

CONSTRUCTION

Duct fans designed for mounting in any position in rectangular ventilation ducts. Housing made of galvanized sheet steel. Fitted with mounting flanges on the inlet and outlet side. Flap for access to rotor and motor without dismantling the installation. Rotors with sloping backward vanes are adapted to transport the maximum amount of air at high static pressure with minimal noise. Rotors, depending on the size of the device, are made of plastic or aluminium sheet (depending on the model). On request, fans can be made in any colour of the RAL palette.

MOTOR

Single-phase 230V, 50Hz or three-phase 400V, 50Hz induction motor with external rotor. Motors adapted for smooth rotation speed control.

The motor windings have thermal overload protection. Operating temperature -40°C to +70°C, depending on model.

Wiring Diagram: Fig. 10.



WWW



DTR

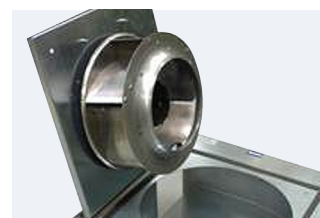


CE



Easy assembly

Standard rectangular flanges for easy installation.



Inspection flap

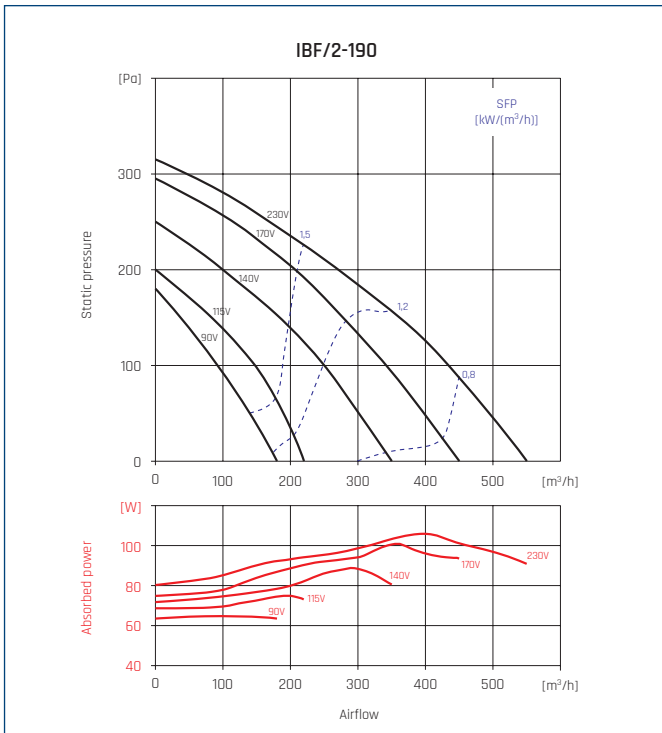
For ease of use.

TECHNICAL CHARACTERISTICS

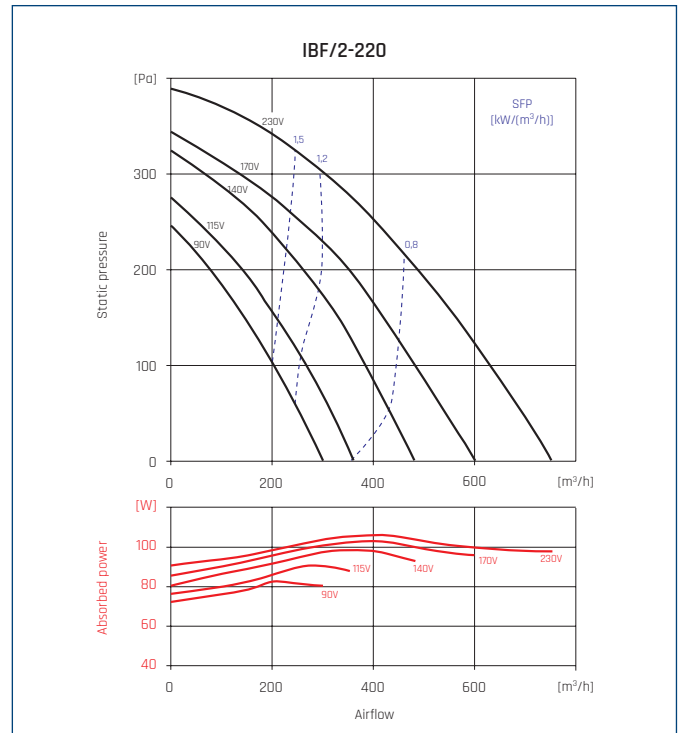
| Type | voltage | speed | maximum absorbed power | maximum absorbed current | airflow at free discharge | pressure max | sound pressure level* | operat. temp. max | weight | regulator | ErP | article number |
|---------------|---------|----------|------------------------|--------------------------|---------------------------|--------------|-----------------------|-------------------|--------|---------------------|------|----------------|
| | [V] | [r.p.m.] | [W] | [A] | [m³/h] | [Pa] | [dB(A)] | [°C] | [kg] | | | |
| IBF/2-190 | 230 | 2640 | 104 | 0,35 | 550 | 315 | 34 | 70 | 7,5 | TLR 15 DS / RVS-1,5 | 2016 | 41010010 |
| IBF/2-220 | 230 | 2700 | 106 | 0,43 | 750 | 401 | 40 | 65 | 12 | TLR 15 DS / RVS-1,5 | 2016 | 41010020 |
| IBF/2-280 | 230 | 2760 | 277 | 1,2 | 1560 | 740 | 41 | 70 | 17 | TLR 15 DS / RVS-1,5 | 2018 | 41010034 |
| IBF/4-280 | 230 | 1400 | 90 | 0,4 | 1140 | 172 | 43 | 55 | 16,3 | TLR 15 DS / RVS-1,5 | 2016 | 41010040 |
| IBF/4-315S | 230 | 1430 | 109 | 0,66 | 1490 | 238 | 39 | 65 | 23 | TLR 15 DS / RVS-1,5 | 2018 | 41010052 |
| IBF/4-315T | 400 | 1400 | 204 | 0,28 | 1410 | 350 | 39 | 60 | 23 | RMT-1,5 | 2016 | 41010090 |
| IBF/6-315 | 230 | 965 | 50 | 0,18 | 977 | 125 | 32 | 60 | 23 | TLR 15 DS / RVS-1,5 | 2018 | 41010070 |
| IBF/4-355S | 230 | 1370 | 237 | 1,1 | 2450 | 430 | 47 | 60 | 35 | TLR 15 DS / RVS-1,5 | 2018 | 41010062 |
| IBF/4-355T | 400 | 1380 | 325 | 0,68 | 3170 | 327 | 46 | 60 | 35 | RMT-1,5 | 2018 | 41010102 |
| IBF/6-355 | 230 | 875 | 88 | 0,33 | 1356 | 175 | 33 | 60 | 35 | TLR 15 DS / RVS-1,5 | 2016 | 41010080 |
| IBF/4-400S | 230 | 1400 | 442 | 2,3 | 3898 | 461 | 47 | 70 | 37 | REB-5 / RVS-3 | 2018 | 41010110 |
| IBF/4-400T | 400 | 1415 | 501 | 1 | 3901 | 459 | 47 | 70 | 37 | RMT-1,5 | 2018 | 41010120 |
| IBF/6-400S | 230 | 940 | 281 | 1,35 | 3415 | 182 | 46 | 60 | 37 | TLR 15 DS / RVS-1,5 | 2016 | 41010132 |
| IBF/6-400T | 400 | 950 | 207 | 0,47 | 2520 | 250 | 43 | 70 | 37 | RMT-1,5 | 2018 | 41010140 |
| IBF/4-450T | 400 | 1408 | 653 | 1,32 | 4597 | 498 | 47 | 70 | 85 | RMT-1,5 | 2018 | 41010160-01 |
| IBF/4-450S SN | 230 | 1378 | 550 | 2,7 | 4600 | 498 | 50 | 70 | 85 | REB-5 / RVS-3 | 2018 | 41010150-01 |
| IBF/6-450T | 400 | 888 | 304 | 0,6 | 3521 | 268 | 43 | 70 | 85 | RMT-1,5 | 2018 | 41010180 |
| IBF/4-500T | 400 | 1330 | 983 | 1,98 | 6492 | 620 | 48 | 70 | 117 | RMT-2,5 | 2018 | 41010200-01 |
| IBF/6-500T | 400 | 1330 | 410 | 0,8 | 4512 | 336 | 45 | 70 | 117 | RMT-1,5 | 2018 | 41010220 |
| IBF/4-560T | 400Δ | 1463 | 1310 | 3,5 | 8097 | 787 | 53 | 60 | 155 | RMT-5 | 2018 | 41010250-01 |
| | 400Y | 1200 | 723 | 2,2 | 6641 | 529 | 49 | | | | | |
| IBF/6-560S SN | 230 | 925 | 490 | 2,2 | 5152 | 335 | 45 | 60 | 155 | TLR 25 DS / RVS-3 | 2018 | 41010260-01 |
| IBF/6-560T SN | 400 | 898 | 485 | 1,1 | 5150 | 336 | 45 | 50 | 155 | RMT-1,5 | 2018 | 41010270-01 |

* By the housing, at a distance of 3m, in the open space.

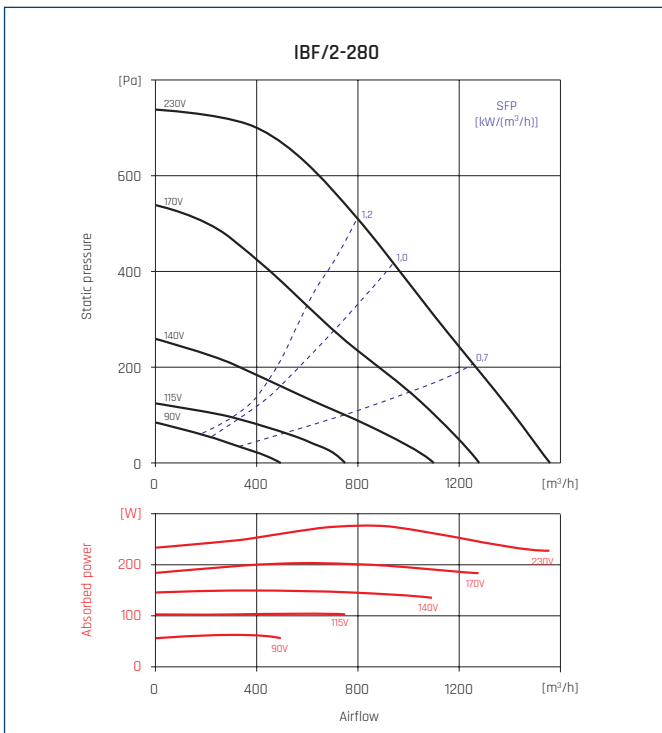
PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS



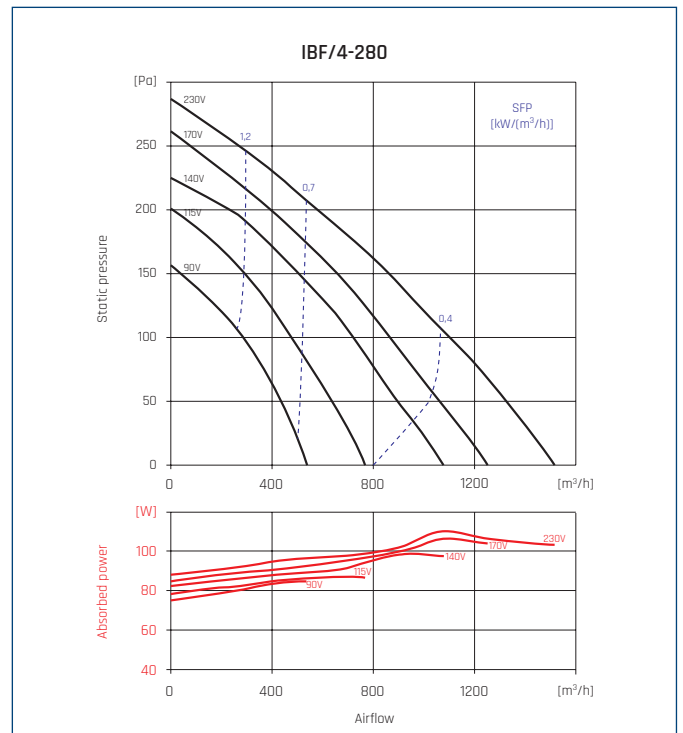
| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{PA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 56 | 62 | 62 | 63 | 60 | 61 | 50 | 69 | 48 |
| Outlet | 59 | 62 | 65 | 67 | 66 | 65 | 57 | 73 | 52 |
| Emitted | 50 | 51 | 49 | 50 | 48 | 40 | 35 | 57 | 36 |



| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{PA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 59 | 64 | 68 | 70 | 67 | 62 | 52 | 74 | 54 |
| Outlet | 61 | 65 | 70 | 75 | 73 | 70 | 62 | 79 | 58 |
| Emitted | 55 | 55 | 57 | 62 | 61 | 57 | 47 | 67 | 46 |

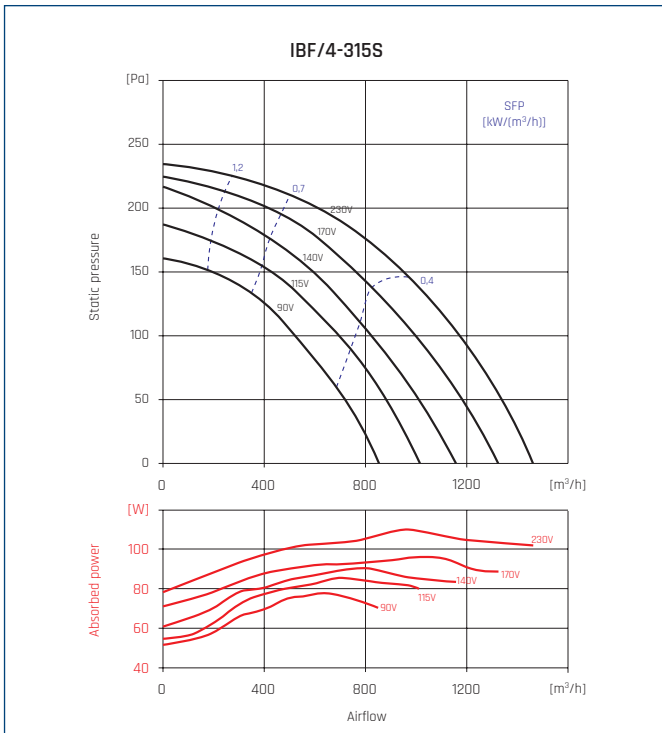


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{PA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 64 | 64 | 68 | 70 | 68 | 64 | 56 | 75 | 54 |
| Outlet | 63 | 65 | 71 | 75 | 74 | 73 | 65 | 80 | 59 |
| Emitted | 56 | 57 | 60 | 63 | 62 | 59 | 54 | 68 | 48 |

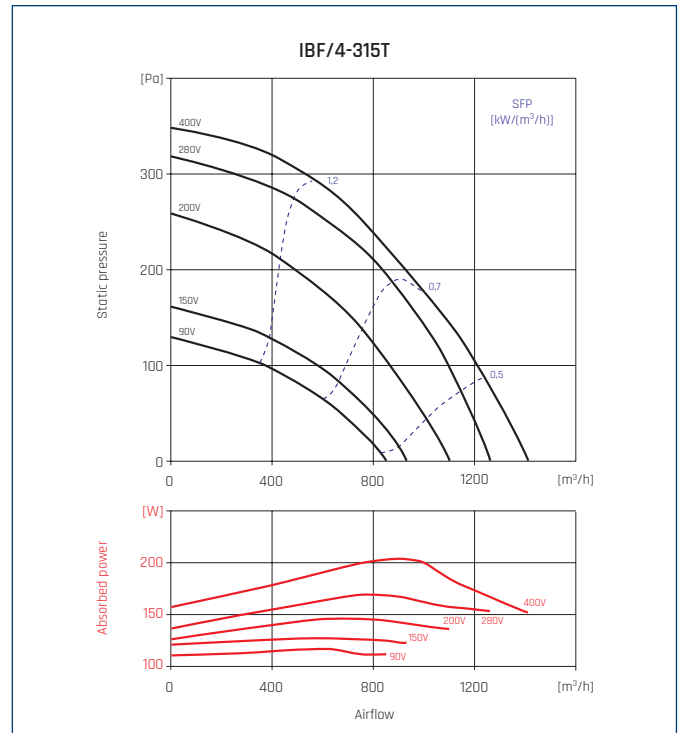


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{PA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 62 | 62 | 63 | 67 | 64 | 61 | 54 | 72 | 51 |
| Outlet | 61 | 63 | 66 | 70 | 69 | 68 | 60 | 75 | 55 |
| Emitted | 53 | 56 | 57 | 56 | 53 | 57 | 49 | 64 | 43 |

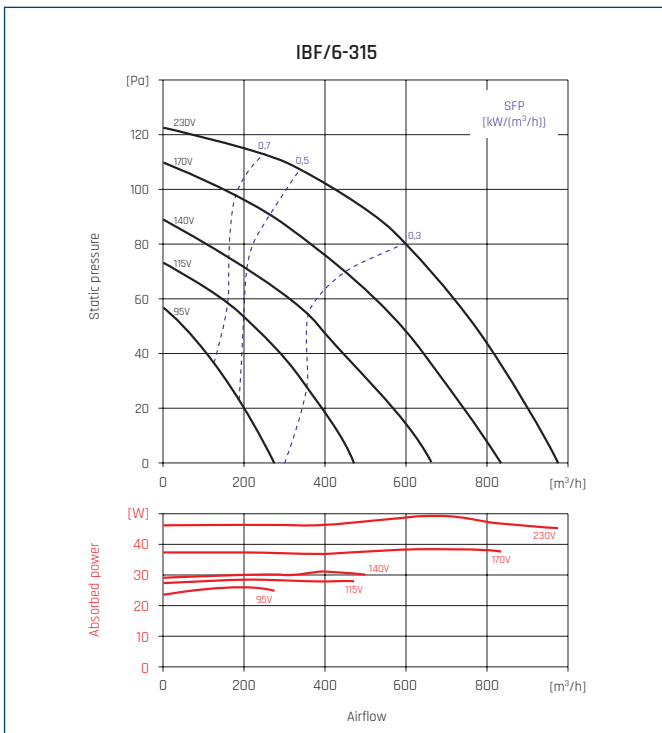
PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS



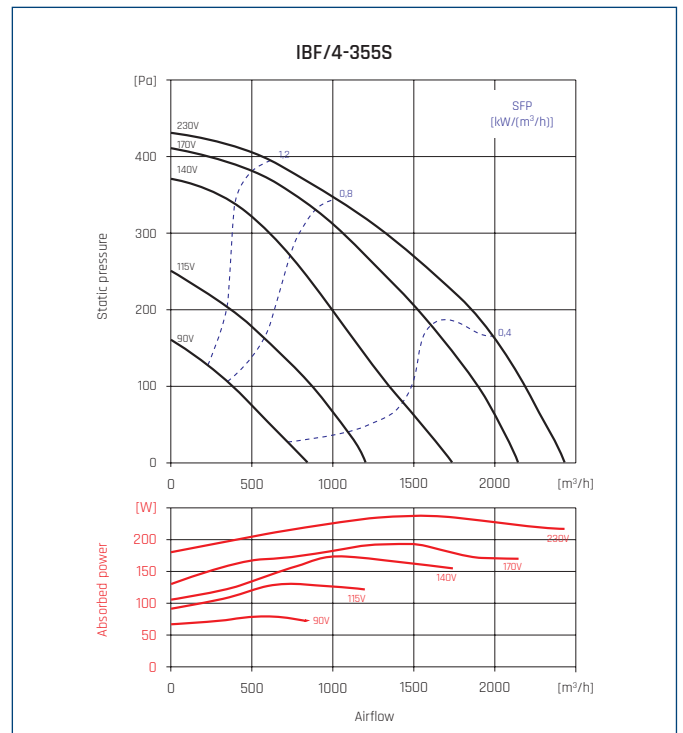
| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 62 | 62 | 64 | 68 | 65 | 62 | 54 | 72 | 52 |
| Outlet | 61 | 63 | 67 | 71 | 70 | 69 | 60 | 76 | 55 |
| Emitted | 53 | 56 | 58 | 56 | 54 | 58 | 49 | 64 | 44 |



| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 62 | 62 | 64 | 68 | 65 | 62 | 54 | 72 | 52 |
| Outlet | 61 | 63 | 67 | 71 | 70 | 69 | 61 | 76 | 55 |
| Emitted | 54 | 56 | 58 | 56 | 54 | 58 | 49 | 64 | 44 |

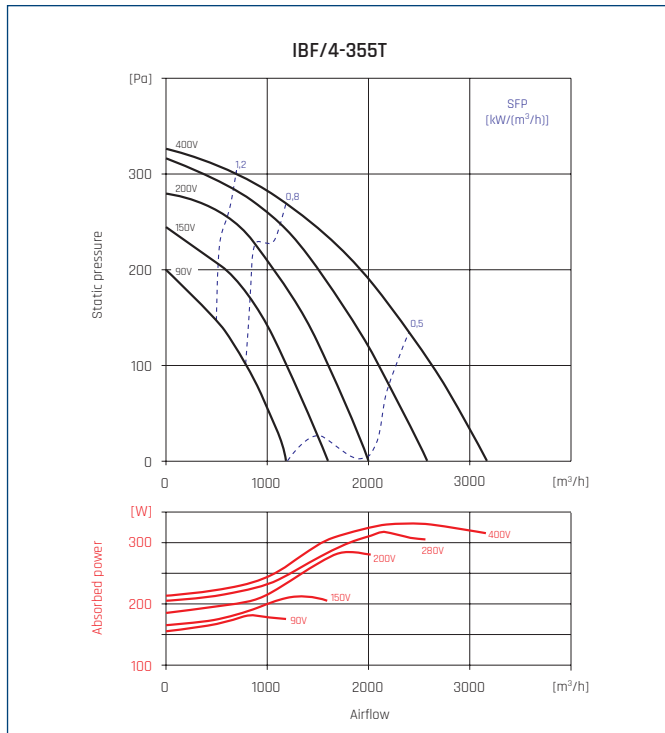


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 52 | 53 | 58 | 59 | 57 | 55 | 45 | 64 | 44 |
| Outlet | 52 | 56 | 61 | 62 | 63 | 61 | 53 | 68 | 48 |
| Emitted | 42 | 46 | 47 | 46 | 43 | 38 | 31 | 52 | 32 |

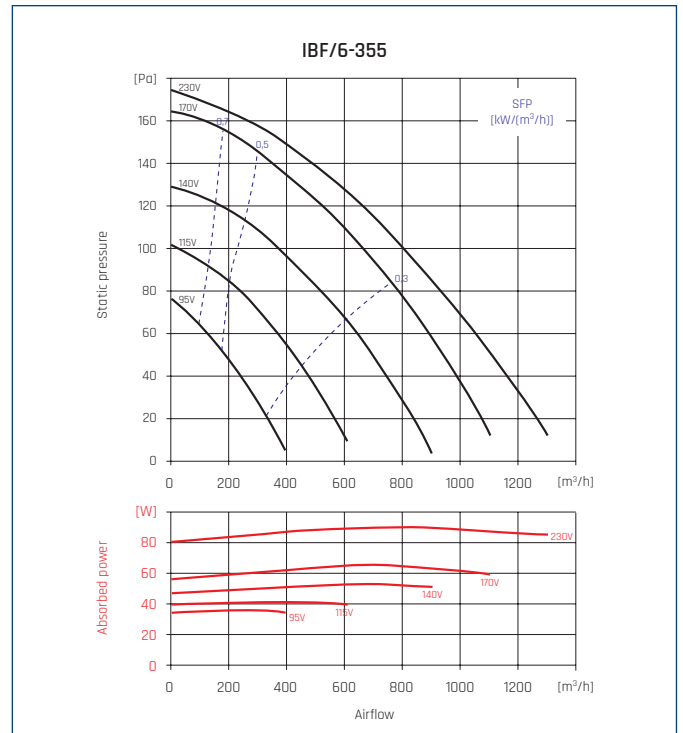


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 70 | 70 | 73 | 75 | 75 | 70 | 61 | 81 | 60 |
| Outlet | 73 | 72 | 77 | 80 | 79 | 75 | 70 | 85 | 64 |
| Emitted | 64 | 64 | 65 | 63 | 61 | 59 | 55 | 71 | 50 |

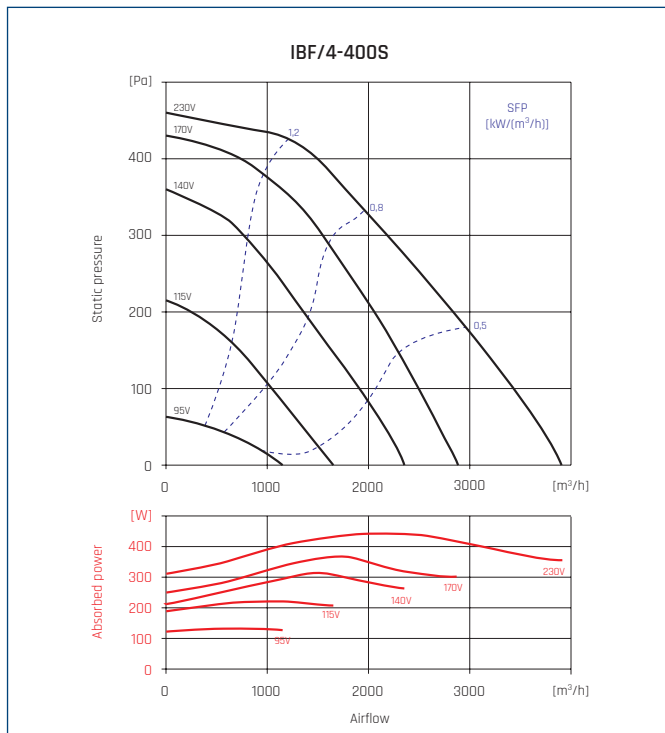
PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS



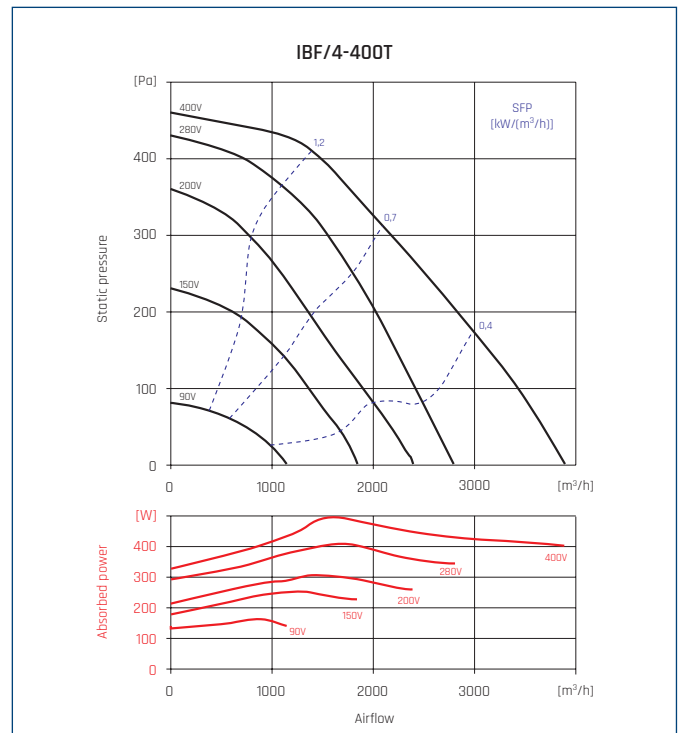
| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 72 | 72 | 74 | 75 | 76 | 73 | 68 | 82 | 61 |
| Outlet | 73 | 72 | 77 | 80 | 79 | 75 | 71 | 85 | 64 |
| Emitted | 64 | 64 | 65 | 63 | 61 | 59 | 56 | 71 | 50 |



| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 53 | 55 | 59 | 60 | 59 | 55 | 47 | 65 | 45 |
| Outlet | 53 | 57 | 61 | 64 | 64 | 62 | 53 | 69 | 49 |
| Emitted | 44 | 47 | 48 | 48 | 45 | 40 | 32 | 54 | 33 |

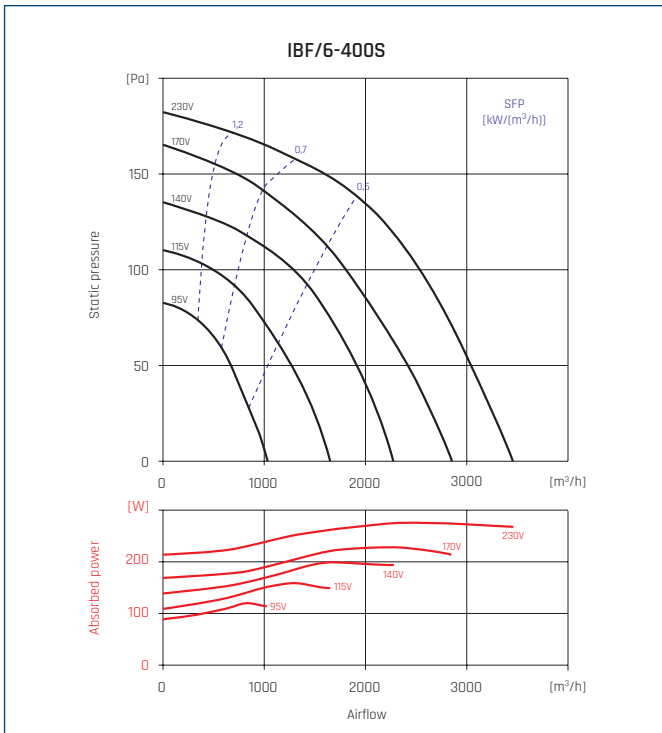


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 70 | 70 | 73 | 75 | 74 | 69 | 61 | 80 | 60 |
| Outlet | 71 | 72 | 77 | 80 | 79 | 75 | 70 | 85 | 64 |
| Emitted | 64 | 64 | 65 | 61 | 60 | 57 | 52 | 70 | 50 |

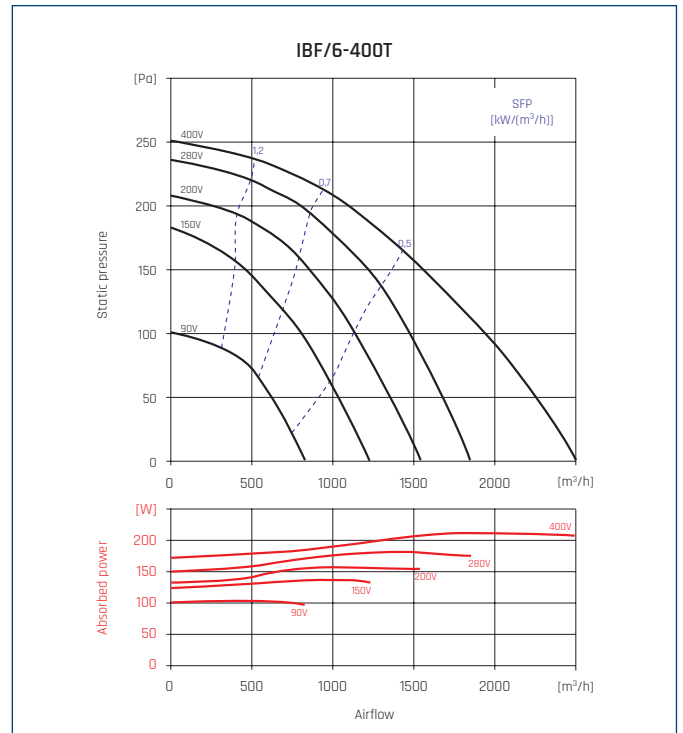


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 71 | 69 | 73 | 75 | 74 | 69 | 61 | 80 | 60 |
| Outlet | 71 | 72 | 77 | 80 | 79 | 75 | 70 | 85 | 64 |
| Emitted | 63 | 64 | 65 | 61 | 60 | 57 | 52 | 70 | 50 |

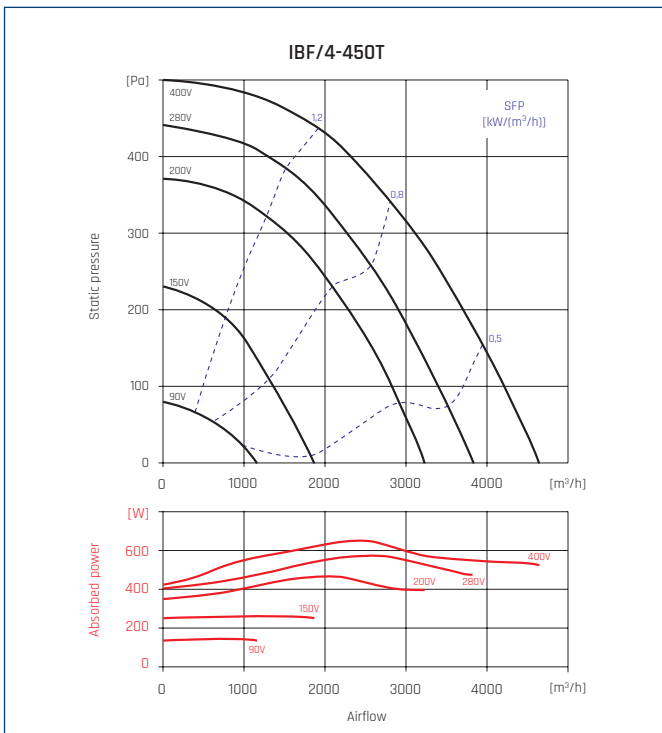
PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS



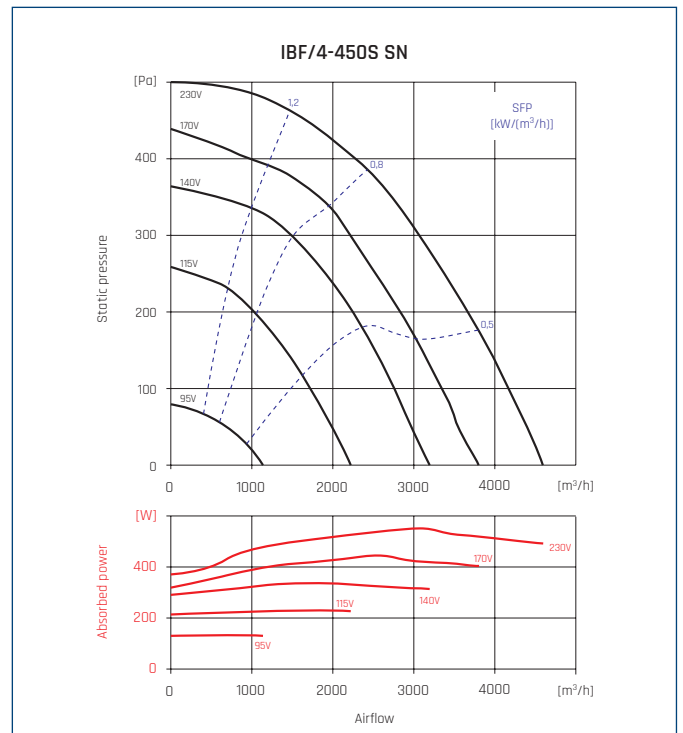
| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 65 | 64 | 71 | 73 | 70 | 68 | 61 | 77 | 57 |
| Outlet | 67 | 69 | 75 | 79 | 77 | 76 | 66 | 83 | 63 |
| Emitted | 60 | 59 | 60 | 59 | 55 | 53 | 48 | 66 | 46 |



| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 61 | 63 | 65 | 70 | 67 | 63 | 55 | 74 | 53 |
| Outlet | 63 | 64 | 71 | 74 | 73 | 70 | 62 | 79 | 58 |
| Emitted | 56 | 57 | 58 | 55 | 53 | 50 | 45 | 63 | 43 |

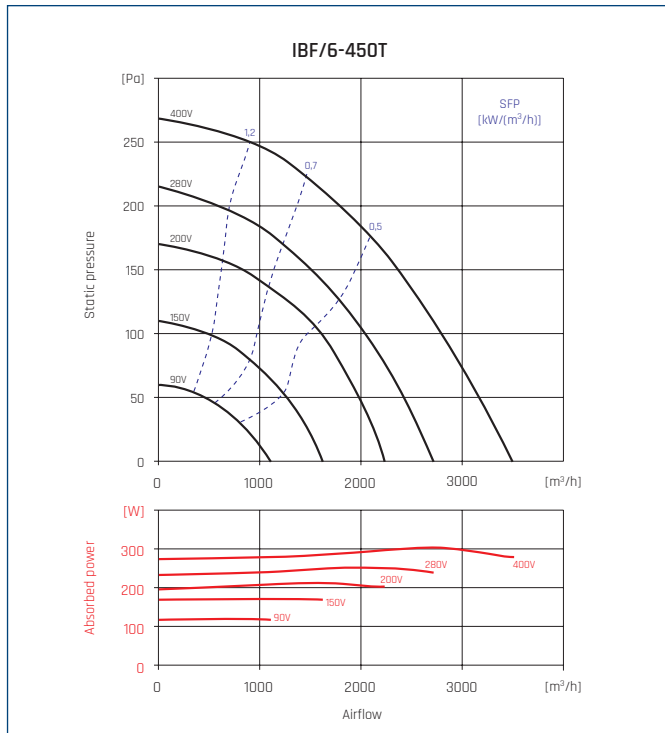


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 71 | 69 | 73 | 75 | 74 | 69 | 61 | 80 | 60 |
| Outlet | 71 | 72 | 77 | 80 | 79 | 75 | 70 | 85 | 64 |
| Emitted | 63 | 64 | 65 | 61 | 60 | 57 | 52 | 70 | 50 |

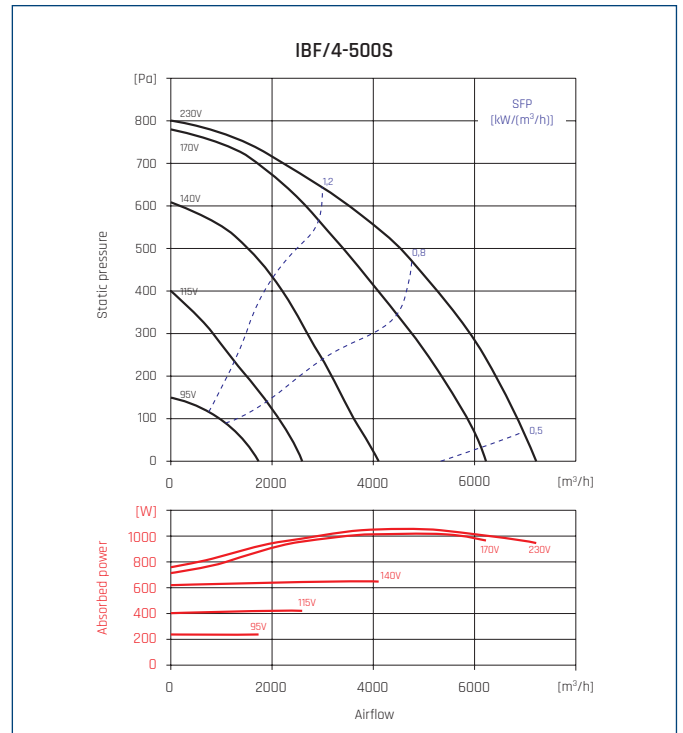


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 71 | 69 | 73 | 75 | 74 | 69 | 61 | 80 | 60 |
| Outlet | 71 | 72 | 77 | 80 | 79 | 75 | 70 | 85 | 64 |
| Emitted | 63 | 64 | 65 | 61 | 60 | 57 | 52 | 70 | 50 |

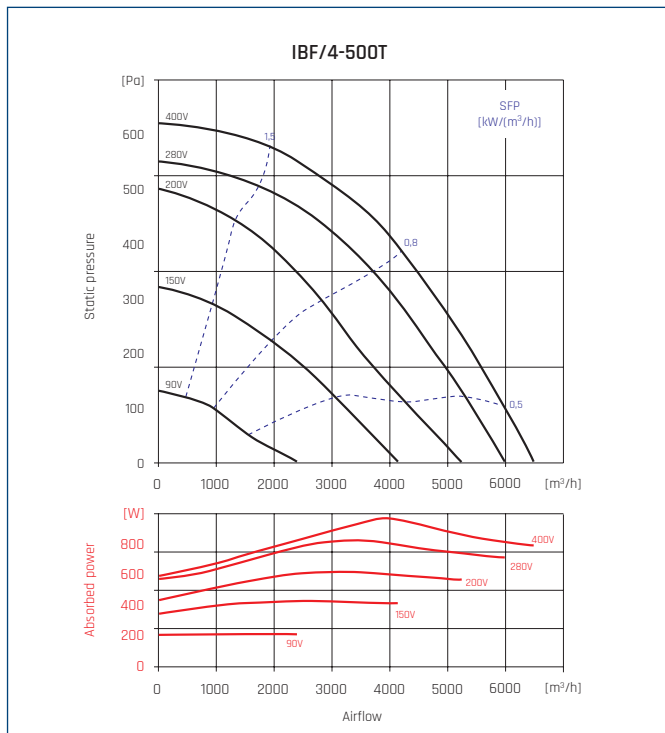
PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS



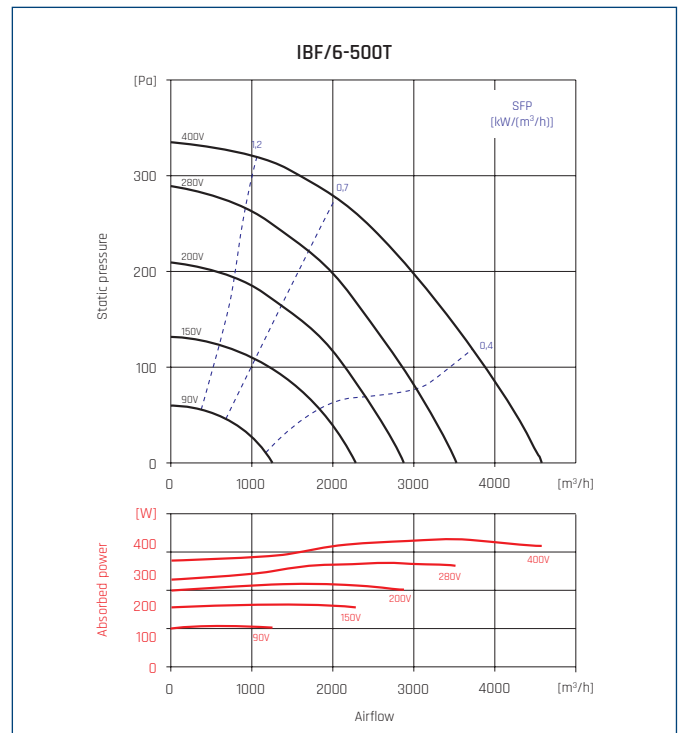
| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 66 | 68 | 69 | 71 | 70 | 66 | 57 | 77 | 56 |
| Outlet | 64 | 65 | 72 | 75 | 74 | 71 | 62 | 80 | 59 |
| Emitted | 56 | 57 | 58 | 55 | 53 | 50 | 45 | 63 | 43 |



| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 73 | 75 | 76 | 79 | 79 | 75 | 68 | 85 | 64 |
| Outlet | 74 | 77 | 82 | 86 | 83 | 81 | 74 | 90 | 69 |
| Emitted | 66 | 67 | 67 | 65 | 64 | 57 | 53 | 73 | 53 |

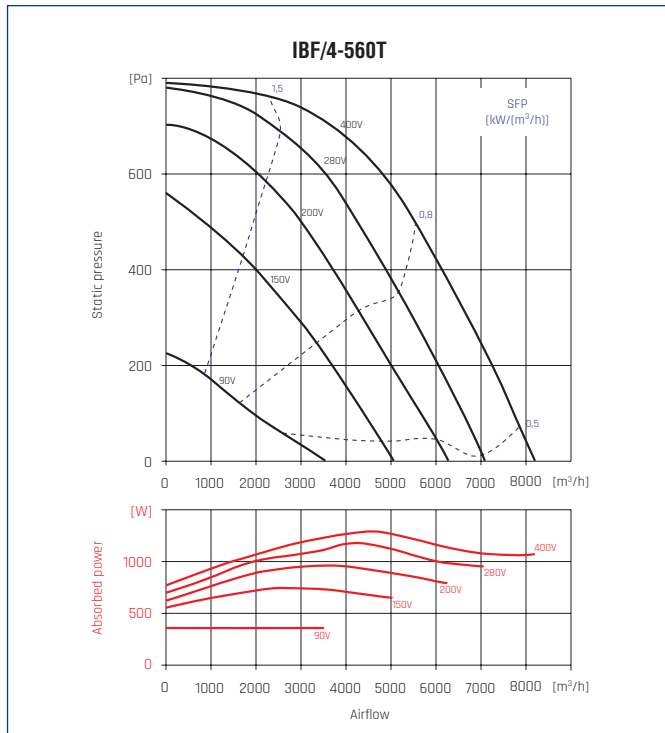


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 71 | 72 | 74 | 77 | 76 | 73 | 66 | 82 | 62 |
| Outlet | 71 | 75 | 79 | 82 | 81 | 78 | 70 | 87 | 66 |
| Emitted | 64 | 64 | 65 | 62 | 62 | 57 | 54 | 71 | 50 |

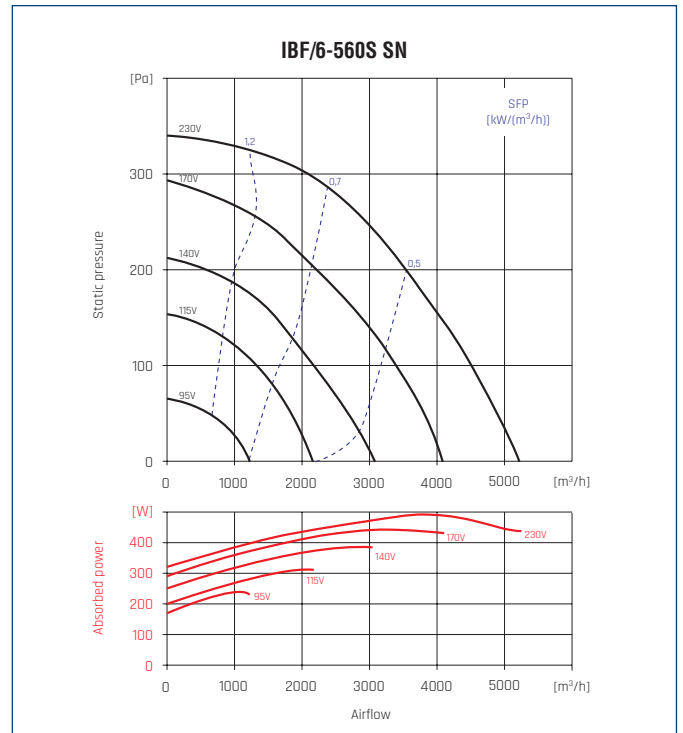


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{pA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 66 | 68 | 70 | 72 | 71 | 66 | 57 | 77 | 57 |
| Outlet | 65 | 66 | 73 | 76 | 74 | 73 | 62 | 81 | 60 |
| Emitted | 57 | 59 | 60 | 56 | 56 | 50 | 45 | 65 | 45 |

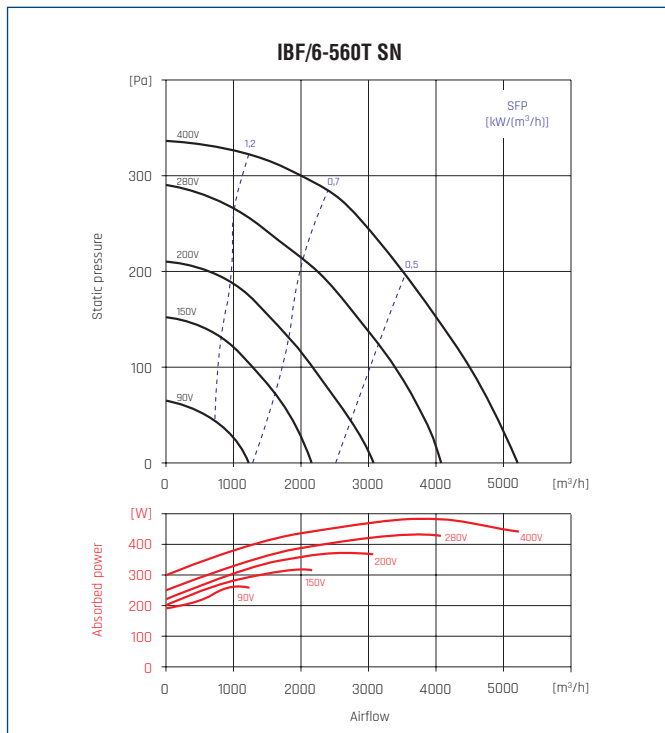
PERFORMANCE CURVES AND ACOUSTIC CHARACTERISTICS



| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{PA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 77 | 79 | 79 | 81 | 81 | 78 | 70 | 87 | 67 |
| Outlet | 78 | 80 | 84 | 88 | 86 | 83 | 77 | 92 | 72 |
| Emitted | 71 | 69 | 68 | 69 | 66 | 58 | 52 | 76 | 55 |

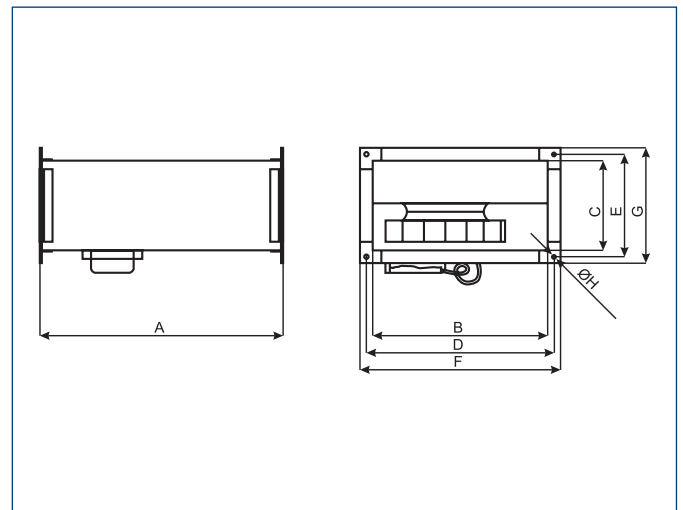


| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{PA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 66 | 67 | 70 | 72 | 71 | 67 | 58 | 77 | 57 |
| Outlet | 66 | 68 | 73 | 76 | 73 | 73 | 64 | 81 | 60 |
| Emitted | 58 | 59 | 61 | 56 | 55 | 50 | 46 | 66 | 45 |



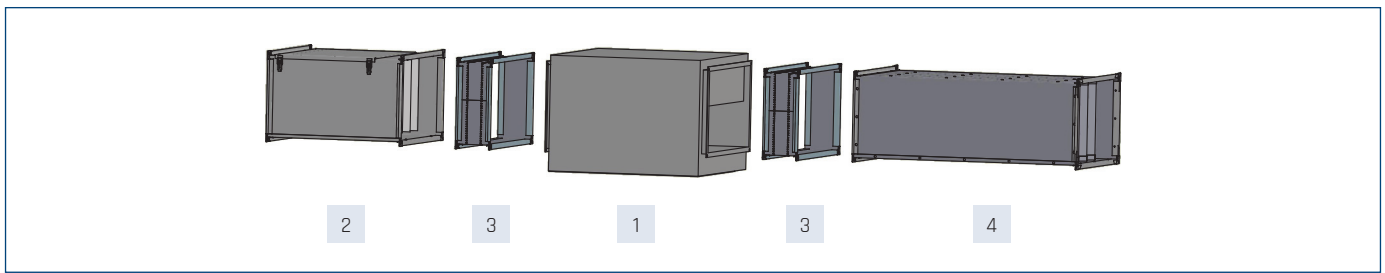
| Hz/dB(A) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | L _{WA} | L _{PA} 3m |
|----------|-----|-----|-----|------|------|------|------|-----------------|--------------------|
| Inlet | 66 | 67 | 70 | 72 | 71 | 67 | 58 | 77 | 57 |
| Outlet | 66 | 68 | 73 | 76 | 73 | 73 | 64 | 81 | 60 |
| Emitted | 58 | 59 | 61 | 56 | 56 | 50 | 46 | 66 | 45 |

DIMENSIONS [mm]



| Type | A | B | C | D | E | F | G | ØH |
|------|------|------|-----|------|-----|------|-----|----|
| 190 | 402 | 298 | 148 | 320 | 170 | 340 | 190 | 9 |
| 220 | 502 | 398 | 198 | 420 | 220 | 440 | 240 | 9 |
| 280 | 532 | 498 | 248 | 520 | 270 | 540 | 290 | 9 |
| 315 | 565 | 500 | 298 | 522 | 320 | 540 | 338 | 9 |
| 355 | 725 | 600 | 348 | 622 | 370 | 640 | 388 | 9 |
| 400 | 725 | 600 | 348 | 622 | 370 | 640 | 388 | 9 |
| 450 | 725 | 700 | 400 | 722 | 422 | 740 | 440 | 9 |
| 500 | 880 | 800 | 500 | 822 | 522 | 840 | 540 | 9 |
| 560 | 1000 | 1000 | 500 | 1024 | 524 | 1056 | 556 | 13 |

ACCESSORY ASSEMBLY



| Fan | 2 | | | | 3 | 4 |
|---------------|-------------------------|----------|----------|----------|----------|----------|
| | channel filter DFR | | | | | |
| | cartridge filter to DFR | | | | | |
| 1 | | EU3 | EU5 | EU7 | | |
| IBF/2-190 | 40520910 | 40520913 | 40520915 | 40520917 | 40532800 | 40521900 |
| IBF/2-220 | 40520920 | 40520923 | 40520925 | 40520927 | 40532810 | 40521910 |
| IBF/2-280 | 40520930 | 40520933 | 40520935 | 40520937 | 40532820 | 40521920 |
| IBF/4-280 | 40520930 | 40520933 | 40520935 | 40520937 | 40532820 | 40521920 |
| IBF/4-315S | 40520940 | 40520943 | 40520945 | 40520947 | 40532830 | 40521930 |
| IBF/4-315T | 40520940 | 40520943 | 40520945 | 40520947 | 40532830 | 40521930 |
| IBF/6-315 | 40520940 | 40520943 | 40520945 | 40520947 | 40532830 | 40521930 |
| IBF/4-355S | 40520960 | 40520963 | 40520965 | 40520967 | 40532850 | 40521950 |
| IBF/4-355T | 40520960 | 40520963 | 40520965 | 40520967 | 40532850 | 40521950 |
| IBF/6-355 | 40520960 | 40520963 | 40520965 | 40520967 | 40532850 | 40521950 |
| IBF/4-400S | 40520960 | 40520963 | 40520965 | 40520967 | 40532850 | 40521950 |
| IBF/4-400T | 40520960 | 40520963 | 40520965 | 40520967 | 40532850 | 40521950 |
| IBF/6-400S | 40520960 | 40520963 | 40520965 | 40520967 | 40532850 | 40521950 |
| IBF/6-400T | 40520960 | 40520963 | 40520965 | 40520967 | 40532850 | 40521950 |
| IBF/4-450T | 40520970 | 40520973 | 40520975 | 40520977 | 40532860 | 40521960 |
| IBF/4-450S SN | 40520970 | 40520973 | 40520975 | 40520977 | 40532860 | 40521960 |
| IBF/6-450T | 40520970 | 40520973 | 40520975 | 40520977 | 40532860 | 40521960 |
| IBF/4-500T | 40520980 | 40520983 | 40520985 | 40520987 | 40532870 | 40521970 |
| IBF/6-500T | 40520980 | 40520983 | 40520985 | 40520987 | 40532870 | 40521970 |
| IBF/4-560T | 40520990 | 40520993 | 40520995 | 40520997 | 40532880 | 40521980 |
| IBF/6-560S SN | 40520990 | 40520993 | 40520995 | 40520997 | 40532880 | 40521980 |
| IBF/6-560T SN | 40520990 | 40520993 | 40520995 | 40520997 | 40532880 | 40521980 |



ELECTRICAL ACCESSORIES



ELECTRICAL ACCESSORIES

| Fan | wall thermostat | duct thermostat | air quality sensor | humidistat | thyristor controller | | |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------|----------|
| | TS | TK-1 | SQA | HIG-2 | REB N | REB NE | TLR |
| IBF/2-190 | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| IBF/2-220 | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| IBF/2-280 | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| IBF/4-280 | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| IBF/4-315S | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| IBF/4-315T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/6-315 | 40025345 | 40025330 | 40025140 + contactor | 40025150 + contactor | 40025010 | 40025020 | 40025025 |
| IBF/4-355S | 40025345 | 40025330 | 40025140 | 40025150 | 40025030 | 40025040 | 40025045 |
| IBF/4-355T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/6-355 | 40025345 | 40025330 | 40025140 | 40025150 | 40025010 | 40025020 | 40025025 |
| IBF/4-400S | 40025345 | 40025330 | 40025140 | 40025150 | 40025051 | - | - |
| IBF/4-400T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/6-400S | 40025345 | 40025330 | 40025140 | 40025150 | 40025030 | 40025040 | 40025045 |
| IBF/6-400T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/4-450T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/4-450S SN | 40025345 | 40025330 | 40025140 | 40025150 | 40025051 | - | - |
| IBF/6-450T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/4-500T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/6-500T | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/4-560T SN | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |
| IBF/6-560S SN | 40025345 | 40025330 | 40025140 | 40025150 | 40025030 | 40025040 | 40025045 |
| IBF/6-560T SN | 40025345 + contactor | 40025330 + contactor | 40025140 + contactor | 40025150 + contactor | - | - | - |

| Fan | REB 5 AUTO | 11-speed thyristor regulator | 2-adjustable 6-speed thyristor regulator | ERV | transformer regulator | | | transformer regulator 2-adjustable | | inverter |
|---------------|------------|------------------------------|--|----------|-----------------------|----------|----------|------------------------------------|----------|----------|
| | IRF | RND-1 | RMB | | RVS | RMT | SC2 | SC2A | | |
| IBF/2-190 | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/2-220 | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/2-280 | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/4-280 | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/4-315S | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/4-315T | - | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| IBF/6-315 | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/4-355S | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/4-355T | - | - | - | - | - | - | 40025100 | - | 40025270 | - |
| IBF/6-355 | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/4-400S | 40025047 | 40015154 | 40025630 | 40025046 | 40025070 | 40025234 | - | 40025252 | 40025253 | - |
| IBF/4-400T | - | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| IBF/6-400S | 40025047 | 40015154 | 40025630 | 40025046 | 40025060 | 40025232 | - | 40025250 | 40025251 | - |
| IBF/6-400T | - | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| IBF/4-450T | - | - | - | - | - | - | 40025105 | - | 40025272 | 40016312 |
| IBF/4-450S SN | 40025047 | 40015154 | - | 40025053 | 40025070 | 40025234 | - | 40025254 | 40025255 | - |
| IBF/6-450T | - | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| IBF/4-500T | - | - | - | - | - | - | 40025105 | - | 40025272 | 40016312 |
| IBF/6-500T | - | - | - | - | - | - | 40025100 | - | 40025270 | 40016302 |
| IBF/4-560T | - | - | - | - | - | - | 40025115 | - | 40025274 | 40016322 |
| IBF/6-560S SN | 40025047 | 40015154 | 40025630 | 40025046 | 40025070 | 40025234 | - | 40025250 | 40025251 | - |
| IBF/6-560T SN | - | - | - | - | - | - | 40025100 | - | 40025270 | 40016312 |

ERP CHARACTERISTICS

| NRVU* | | | | | | | | |
|-------|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Name | IBF/2-220 | IBF/2-280 | IBF/4-280 | IBF/4-315 | IBF/4-315T | IBF/6-315 | IBF/4-355 |
| a | supplier name | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES |
| b | article number | 41010020 | 41010034 | 41010040 | 41010052 | 41010090 | 41010070 | 41010062 |
| c | device category | NRVU | NRVU | NRVU | NRVU | NRVU | NRVU | NRVU |
| c | device type | UVU | UVU | UVU | UVU | UVU | UVU | UVU |
| d | type of drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive |
| e | type of heat recovery system | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| f | thermal efficiency of heat recovery [%] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| g | reference flow rate in NRVU [m³/s] | 0,13 | 0,22 | 0,17 | 0,22 | 0,19 | 0,18 | 0,44 |
| h | effective electric power input [kW] | 0,1 | 0,28 | 0,08 | 0,1 | 0,2 | 0,05 | 0,24 |
| i | SFP _{int} [W/(m³/s)] | 832 | 1251 | 492 | 468 | 1013,14 | 268,57 | 528,75 |
| j | face velocity [m/s] | 0,72 | 1 | 0,66 | 0,97 | 0,85 | 0,7 | 1,73 |
| k | Δps, ext [Pa] | 225 | 510 | 99 | 182 | 267 | 8 | 255 |
| l | Δps, int [Pa] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| m | Δps, add [Pa] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| n | static efficiency of fans [%] | 0,27 | 0,41 | 0,2 | 0,39 | 0,26 | 0,28 | 0,48 |
| o | maximum external leakage rate [%] | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| p | maximum internal leakage rate [%] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| q | energy performance | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| r | visual filter warning | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| s | L _{wa} [dB(A)] | 67 | 68 | 64 | 64 | 64 | 52 | 71 |
| | internet address | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu |
| | Name | IBF/4-355T | IBF/6-355 | IBF/4-400S | IBF/4-400T | IBF/6-400S | IBF/6-400T | IBF/4-450T SN |
| a | supplier name | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES |
| b | article number | 41010102 | 41010080 | 41010110 | 41010120 | 41010132 | 41010140 | 41010160-01 |
| c | device category | NRVU | NRVU | NRVU | NRVU | NRVU | NRVU | NRVU |
| c | device type | UVU | UVU | UVU | UVU | UVU | UVU | UVU |
| d | type of drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive |
| e | type of heat recovery system | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| f | thermal efficiency of heat recovery [%] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| g | reference flow rate in NRVU [m³/s] | 0,39 | 0,23 | 0,61 | 0,67 | 0,56 | 0,28 | 0,83 |
| h | effective electric power input [kW] | 0,28 | 0,09 | 0,44 | 0,45 | 0,27 | 0,19 | 0,59 |
| i | SFP _{int} [W/(m³/s)] | 720 | 374,91 | 720 | 675 | 486 | 673,23 | 702 |
| j | face velocity [m/s] | 1,51 | 0,83 | 1,93 | 2,1 | 1,75 | 0,89 | 2,33 |
| k | Δps, ext [Pa] | 255 | 77 | 300 | 270 | 134 | 186 | 312 |
| l | Δps, int [Pa] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| m | Δps, add [Pa] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| n | static efficiency of fans [%] | 0,35 | 0,26 | 0,42 | 0,4 | 0,28 | 0,33 | 0,44 |
| o | maximum external leakage rate [%] | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| p | maximum internal leakage rate [%] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| q | energy performance | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| r | visual filter warning | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| s | L _{wa} [dB(A)] | 71 | 54 | 70 | 70 | 66 | 63 | 70 |
| | internet address | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu |

* NRVU - "non-residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1254/2014.

ERP CHARACTERISTICS

| | | NRVU* | | | | | | |
|---|---|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | Name | IBF/4-450S SN | IBF/6-450T | IBF/4-500T SN | IBF/6-500T | IBF/4-560T SN | IBF/6-560S SN | IBF/6-560T SN |
| a | supplier name | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES | VENTURE INDUSTRIES |
| b | article number | 41010150-01 | 41010180 | 41010200-01 | 41010220 | 41010250-01 | 41010260-01 | 41010270-01 |
| c | device category | NRVU | NRVU | NRVU | NRVU | NRVU | NRVU | NRVU |
| c | device type | UVU | UVU | UVU | UVU | UVU | UVU | UVU |
| d | type of drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive | variable speed drive |
| e | type of heat recovery system | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| f | thermal efficiency of heat recovery [%] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| g | reference flow rate in NRVU [m ³ /s] | 0,72 | 0,5 | 0,97 | 0,72 | 1,39 | 0,78 | 0,78 |
| h | effective electric power input [kW] | 0,54 | 0,29 | 0,95 | 0,4 | 1,27 | 0,47 | 0,47 |
| i | SFP _{int} [W/(m ³ /s)] | 747,69 | 580 | 977,14 | 556,62 | 914,4 | 597,86 | 604,29 |
| j | face velocity [m/s] | 2,02 | 1,4 | 2,72 | 1,82 | 3,13 | 1,75 | 1,75 |
| k | Δps, ext [Pa] | 362 | 200 | 470 | 232 | 570 | 257 | 257 |
| l | Δps, int [Pa] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| m | Δps, add [Pa] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| n | static efficiency of fans [%] | 0,44 | 0,34 | 0,48 | 0,42 | 0,62 | 0,43 | 0,43 |
| o | maximum external leakage rate [%] | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| p | maximum internal leakage rate [%] | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| q | energy performance | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| r | visual filter warning | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable | not applicable |
| s | L _{wa} [dB(A)] | 70 | 63 | 71 | 65 | 76 | 66 | 66 |
| | internet address | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu | ventur.eu |

* NRVU - "non-residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1254/2014.

ERP CHARACTERISTICS

| RVU* | | |
|------|--|--|
| | Name | IBF/2-190 |
| a | supplier name | VENTURE INDUSTRIES |
| b | article number | 41010010 |
| c | SEC average [kWh/m ² .a] | -17,15 |
| c | SEC cold | -33,55 |
| c | SEC warm | -7,75 |
| c | SEC class | E |
| d | device category | RVU |
| d | device type | UVU |
| e | type of drive | infinitely variable speed control of the fan |
| f | type of heat recovery system | not applicable |
| g | thermal efficiency of heat recovery [%] | not applicable |
| h | maximum flow rate [m ³ /h] | 540 |
| i | electric power input [W] | 98 |
| j | sound power level [dB(A)] | 57 |
| k | reference flow rate [m ³ /s] | 0,11 |
| l | reference pressure difference [Pa] | 50 |
| m | SPI [W/m ³ /h] | 0 |
| n | control factor | 1 |
| o | maximum external leakage for BVU [%] | 3 |
| p | mixing rate | not applicable |
| q | position of visual filter warning | not applicable |
| r | instructions for installing supply grilles | not applicable |
| s | internet address | www.ventur.eu |
| t | airflow sensitivity to pressure variation | not applicable |
| u | indoor/outdoor air tightness [m ³ /h] | not applicable |
| v | annual electricity consumption - average climate [kWh/a] | 227,34 |
| v | annual electricity consumption - warm climate [kWh/a] | 227,34 |
| v | annual electricity consumption - cold climate [kWh/a] | 227,34 |
| w | annual heating saved - average climate [kWh/a] | 3355,29 |
| w | annual heating saved - warm climate [kWh/a] | 1715,15 |
| w | annual heating saved - cold climate [kWh/a] | 775,57 |
| | MISC | 1,1 |
| | x-value | 2 |

* RVU - "residential ventilation unit" - according to COMMISSION REGULATION (EU) No 1253/2014