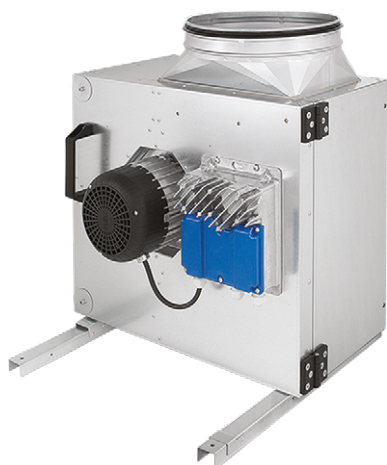


COOKVENT EC

wentylatory kuchenne



łatwo otwierane drzwi inspekcyjne, na których zamontowany jest układ silnik-wirnik oraz układ elektroniki. Zastosowanie uchyłnej obudowy pozwala na łatwe czyszczenie wnętrza wentylatora.

Cechą szczególną wentylatora jest zastosowanie silnika EC (elektronicznie komutowany). Dzięki odseparowaniu modułu silnika od medium i wykorzystaniu specjalnego modułu chłodzenia, układ elektroniki jest w stanie funkcjonować nawet przy wysokiej temperaturze przetłaczanego powietrza.

Elastyczne uszczelki i odpowiednia konstrukcja pozwalają osiągnąć najwyższą klasę szczelności obudowy L1 (wg. EN 1886). Obudowa została zaprojektowana tak, aby ułatwić odprowadzanie skroplin z wnętrza wentylatora poprzez odpływ drenażowy 3/4" (pod warunkiem instalacji wentylatora wylotem w górę, ponadto instalacja powinna być wyposażona w stosowne filtry / łapacze tłuszczu). W komplecie dostarczane są gumowe wibroizolatory oraz szyny wspornikowe ułatwiające montaż na konsoli wsporczej.

wirnik

Wirnik nowej generacji wyważony dynamicznie w klasie G2.5, typu B z łopatkami pochylonymi do tyłu, wykonany z blachy stalowej malowanej proszkowo. Kształt łopatek ogranicza osadzanie się tłuszczu i zanieczyszczeń co pozwala utrzymać najwyższe parametry pracy przez cały okres użytkowania wentylatora.

napęd i sterowanie

Wyposażone w jednofazowe silniki elektronicznie komutowane EC. Moduł silnika zlokalizowany całkowicie poza strumieniem przepływającego powietrza. Zasilanie 230~1 stopień ochrony silnika. Silniki posiadają wbudowane zabezpieczenia termiczne. Sterowanie odbywa się za pomocą wbudowanego regulatora obrotów do którego można zastosować opcjonalny potencjometr 10 kΩ lub zewnętrznego sterownika.

maksymalna temperatura pracy

Temperatura otoczenia: 40 ÷ 80°C - w zależności od wybranego modelu temperatura przetłaczanego medium: 120°C.

zastosowanie

Efektywny odciąg oparów z kuchni przemysłowych w obiektach gastronomicznych. Możliwość zastosowania we wszelkich instalacjach odciągowych do przetłaczania powietrza o podwyższonej temperaturze.

Akcesoria



GS
wyłącznik serwisowy
str. nr 548



MTP 10/MTV-010
potencjometr
str. nr 529



WKS
konsola wsporcza
str. nr 288



WSH EC
osłona silnika
str. nr 338

konstrukcja

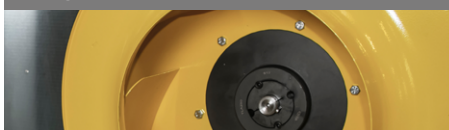
Wentylator promieniowy przeznaczony głównie do stosowania w wyciągach kuchennych. Obudowa wykonana z galwanizowanej blachy stalowej, izolowana termicznie i akustycznie wełną mineralną o grubości 40 mm, posiada

TECHNOLOGIA EC



Wentylatory COOKVENT EC wyposażone zostały w nowoczesne silniki komutowane elektronicznie EC. Ich zaletą jest łatwa i płynna regulacja prędkości obrotowej w pełnym zakresie pracy.

SKUTECZNOŚĆ, WYGODA I HIGIENA



Urządzenie jest wyposażone w wirnik niewrażliwy na osadzanie się tłuszczu a także silnik EC zlokalizowany poza strumieniem przetłaczanego powietrza. Całość znajduje się na uchyłnej obudowie co wraz z drenażem w dolnej części wentylatora znacznie ułatwia jego konserwację.

120°C

Wysoko-temperaturowy

Wentylator przystosowany do wyciągu medium o temperaturze do 120°C w warunkach pracy ciągłej. Dzięki zlokalizowaniu silnika poza strumieniem powietrza wentylator jest niewrażliwy na wysoką temperaturę medium.

tablica doboru akcesoriów dla danego wentylatora COOKVENT

| Typ COOKVENT EC | 200/1500EC | 200/2200EC | 250/2200EC | 250/2800EC | 315/3100EC | 315/3200EC | 355/4100EC |
|---------------------|------------------|------------------|------------------|------------------|---------------|------------------|------------------|
| wyłącznik serwisowy | GS 03 | GS 03 | GS 03 | GS 03 | GS 03 | GS 03 | GS 03 |
| potencjometr | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 |
| konsola wsporcza | WKS 07 | WKS 07 | WKS 07 | WKS 07 | WKS 07 | WKS 07 | WKS 07 |
| osłona silnika | WSH EC 04 | WSH EC 04 | WSH EC 01 | WSH EC 01 | WSH EC 01 | WSH EC 01 | WSH EC 02 |

| Typ COOKVENT EC | 355/4400EC | 355/4600EC | 355/4700EC | 355/5400EC | 355/6100EC | 355/6300EC | 355/7000EC |
|---------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| wyłącznik serwisowy | GS 03 | GS 03 | GS 03 | GS 03 | GS 03 | GS 03 | GS 03 |
| potencjometr | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 | MTP 10 / MTV-010 |
| konsola wsporcza | WKS 07 | WKS 07 | WKS 07 | WKS 07 | WKS 07 | WKS 07 | WKS 07 |
| osłona silnika | WSH EC 02 | WSH EC 03 | WSH EC 02 | WSH EC 02 | WSH EC 03 | WSH EC 03 | WSH EC 03 |

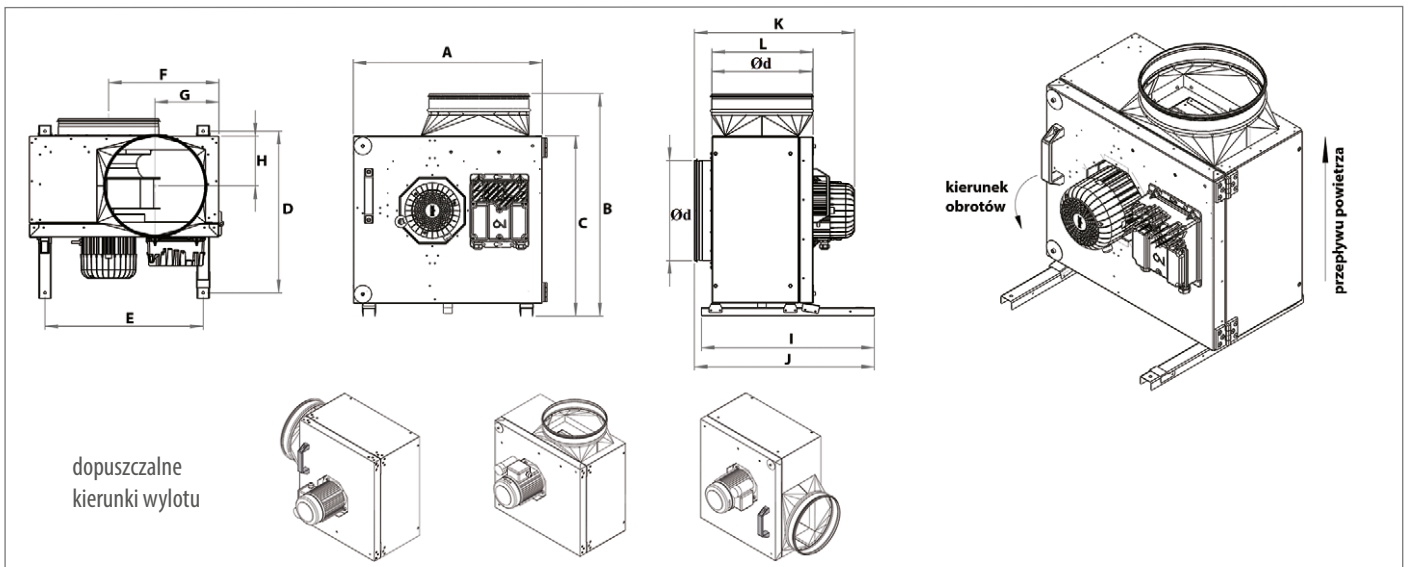
| Typ COOKVENT EC | 400/8100EC | 500/12600EC | - | - | - | - | - |
|---------------------|------------------|------------------|---|---|---|---|---|
| wyłącznik serwisowy | GS 03 | GS 03 | - | - | - | - | - |
| potencjometr | MTP 10 / MTV-010 | MTP 10 / MTV-010 | - | - | - | - | - |
| konsola wsporcza | WKS 08 | WKS 08 | - | - | - | - | - |
| osłona silnika | WSH EC 01 | WSH EC 01 | - | - | - | - | - |

dane techniczne

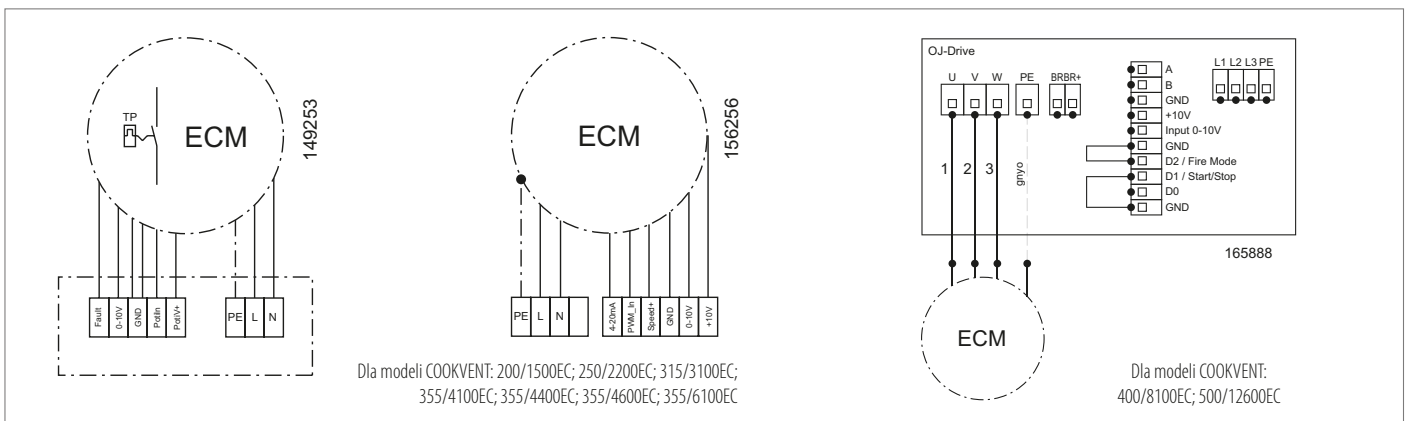
| Typ | V_{max} [m ³ /h] | Δp_{max} [Pa] | P_{max} [W] | U_{nom} [V] | I_{max} [A] | RPM_{max} [1/min] | t_A [°C] | t_{max} [°C] | L_{WA} [dB(A)] | L_{pA} [dB(A)] | m [kg] | nr katalogowy |
|----------------------|----------------------------------|--------------------------|------------------|------------------|------------------|------------------------|---------------|-------------------|---------------------|---------------------|-----------|---------------|
| COOKVENT 200/1500EC | 1550 | 720 | 297 | 230 | 2.9 | 3000 | 45 | 120 | 69 | 46 | 32.5 | 15686500 |
| COOKVENT 200/2200EC | 2220 | 1270 | 693 | 230 | 3.2 | 4000 | 40 | 120 | 80 | 57 | 28,0 | 14307100 |
| COOKVENT 250/2200EC | 2275 | 870 | 493 | 230 | 4.3 | 3000 | 45 | 120 | 75 | 52 | 40.6 | 15686700 |
| COOKVENT 250/2800EC | 2850 | 1260 | 894 | 230 | 4.2 | 3650 | 40 | 120 | 78 | 55 | 36,4 | 14307200 |
| COOKVENT 315/3100EC | 3080 | 950 | 680 | 230 | 5.7 | 2790 | 45 | 120 | 72 | 49 | 42.0 | 17139300 |
| COOKVENT 315/3200EC | 3250 | 1080 | 885 | 230 | 4.1 | 3000 | 40 | 120 | 74 | 51 | 38,5 | 14307300 |
| COOKVENT 355/4100EC | 4160 | 780 | 734 | 230 | 5.9 | 2000 | 45 | 120 | 69 | 46 | 52.0 | 15687300 |
| COOKVENT 355/4400EC | 4420 | 1340 | 1299 | 230 | 9.9 | 3015 | 45 | 120 | 74 | 51 | 55.0 | 15687100 |
| COOKVENT 355/4600EC | 4640 | 570 | 554 | 230 | 4.5 | 1500 | 45 | 120 | 64 | 41 | 72.0 | 15687400 |
| COOKVENT 355/4700EC | 4675 | 1395 | 1470 | 230 | 10.7 | 3100 | 50 | 120 | 75 | 52 | 50,0 | 14931300 |
| COOKVENT 355/5400EC | 5400 | 1240 | 1511 | 230 | 10.7 | 2550 | 50 | 120 | 72 | 49 | 54,7 | 14931600 |
| COOKVENT 355/6100EC | 6100 | 730 | 984 | 230 | 7.25 | 1500 | 45 | 120 | 64 | 41 | 74.0 | 15688600 |
| COOKVENT 355/6300EC | 6262 | 1010 | 1333 | 230 | 9.7 | 2000 | 50 | 120 | 71 | 48 | 72,0 | 14931800 |
| COOKVENT 355/7000EC | 6975 | 860 | 1350 | 230 | 9.7 | 1640 | 50 | 120 | 70 | 47 | 74,0 | 14932200 |
| COOKVENT 400/8100EC | 8120 | 890 | 1555 | 3~400 | 2.56 | 1500 | 50 | 120 | 70 | 47 | 105.0 | 17216800 |
| COOKVENT 500/12600EC | 12595 | 1110 | 2479 | 3~400 | 3.98 | 1500 | 50 | 120 | 74 | 51 | 110.0 | 17225600 |

t_A - temp. otoczenia, t_{max} - maks. temp. medium
 L_{pA} - poziom ciśnienia akustycznego z odł. 4 m (pole swobodne)

wymiary



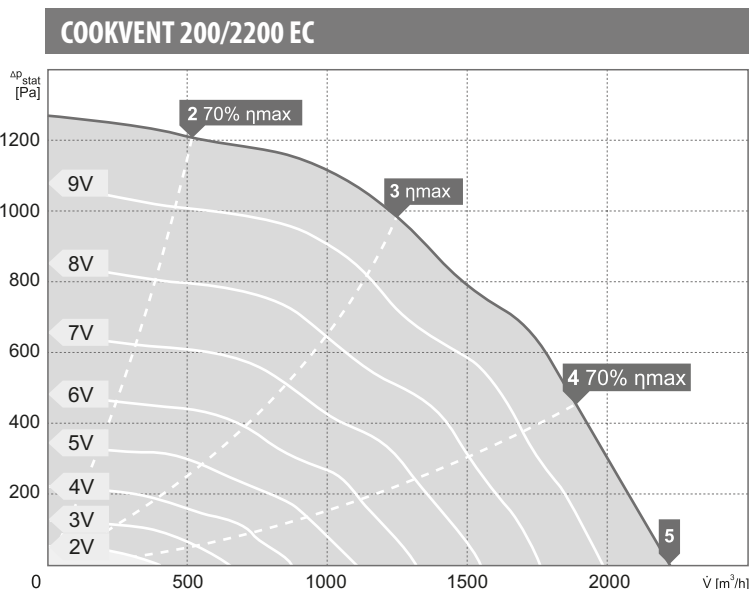
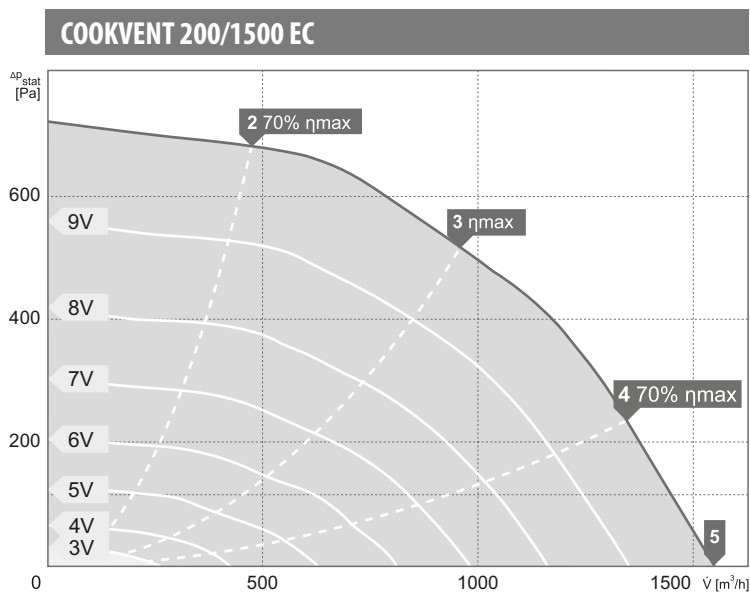
schemat elektryczny



wymiary

| Typ | A [mm] | B [mm] | C [mm] | Ød [mm] | D [mm] | E [mm] | F [mm] | G [mm] | H [mm] | I [mm] | J [mm] | K [mm] | L [mm] |
|----------------------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| COOKVENT 200/1500EC | 492 | 574 | 474 | 199 | 445 | 394 | 285 | 142 | 131 | 480 | 483 | 507 | 265 |
| COOKVENT 200/2200EC | 492 | 574 | 474 | 199 | 445 | 394 | 285 | 142 | 131 | 480 | 483 | 480 | 265 |
| COOKVENT 250/2200EC | 592 | 693 | 561 | 249 | 505 | 494 | 344 | 166 | 156 | 540 | 562 | 576 | 344 |
| COOKVENT 250/2800EC | 592 | 693 | 561 | 249 | 505 | 494 | 344 | 166 | 156 | 540 | 562 | 549 | 315 |
| COOKVENT 315/3100EC | 592 | 692 | 561 | 314 | 505 | 494 | 344 | 200 | 156 | 540 | 505 | 329 | 344 |
| COOKVENT 315/3200EC | 592 | 692 | 561 | 314 | 505 | 494 | 344 | 200 | 156 | 540 | 567 | 549 | 315 |
| COOKVENT 355/4100EC | 700 | 790 | 663 | 354 | 555 | 602 | 405 | 215 | 181 | 590 | 620 | 634 | 365 |
| COOKVENT 355/4400EC | 700 | 790 | 663 | 354 | 555 | 602 | 405 | 218 | 181 | 590 | 620 | 634 | 365 |
| COOKVENT 355/4600EC | 832 | 916 | 750 | 354 | 555 | 734 | 477 | 218 | 181 | 590 | 620 | 659 | 365 |
| COOKVENT 355/4700EC | 700 | 790 | 663 | 354 | 555 | 602 | 404 | 218 | 181 | 590 | 620 | 611 | 365 |
| COOKVENT 355/5400EC | 700 | 790 | 663 | 354 | 555 | 602 | 404 | 218 | 181 | 590 | 620 | 611 | 365 |
| COOKVENT 355/6100EC | 832 | 916 | 750 | 354 | 555 | 734 | 477 | 218 | 181 | 590 | 620 | 659 | 365 |
| COOKVENT 355/6300EC | 832 | 916 | 789 | 354 | 555 | 734 | 477 | 220 | 181 | 590 | 620 | 611 | 365 |
| COOKVENT 355/7000EC | 832 | 916 | 789 | 354 | 555 | 734 | 477 | 220 | 181 | 590 | 620 | 611 | 365 |
| COOKVENT 400/8100EC | 1016 | 1098 | 954 | 399 | 799 | 918 | 584 | 242 | 253 | 834 | 873 | 539 | 510 |
| COOKVENT 500/12600EC | 1016 | 1112 | 954 | 499 | 799 | 918 | 584 | 290 | 253 | 834 | 876 | 539 | 510 |

charakterystyki pracy

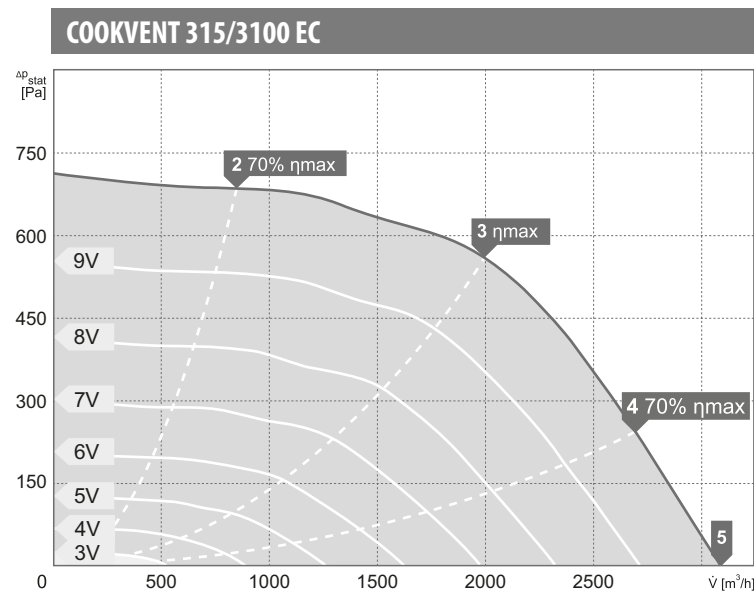
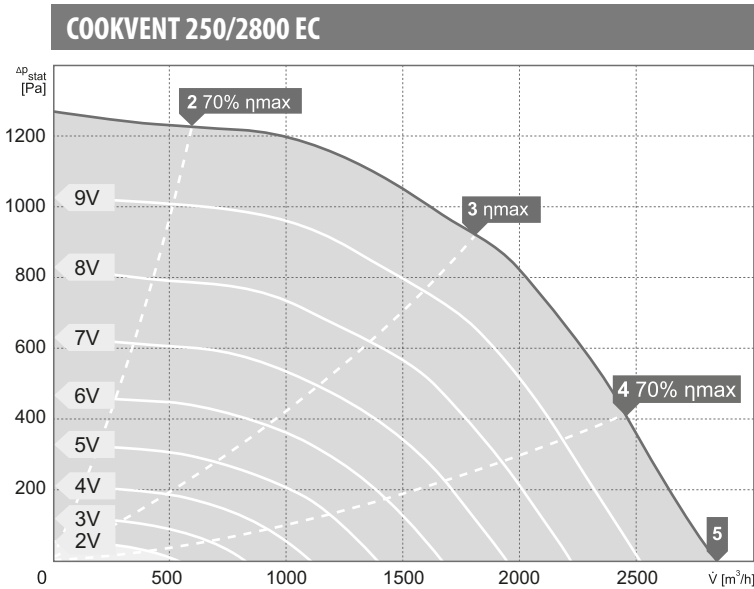
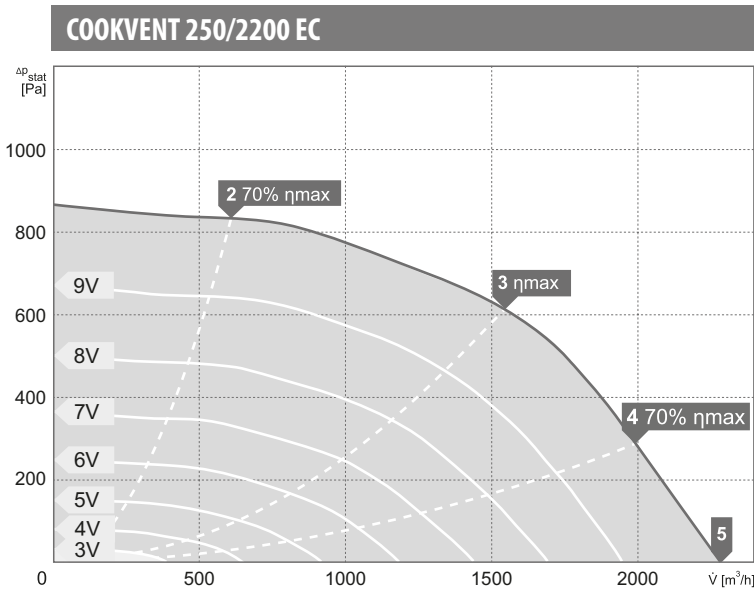


wartości mocy akustycznej L_{WA} [dB(A)]
dla poszczególnych częstotliwości pasm oktaowych [Hz]

| Punkty pracy | Częstotliwości pasm oktaowych [Hz] | | | | | | | | |
|-----------------------------|------------------------------------|----|-----|-----|-----|------|------|------|------|
| | tot | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 78 | 53 | 67 | 69 | 72 | 71 | 69 | 67 | 59 |
| 3 | 77 | 52 | 58 | 66 | 72 | 71 | 69 | 68 | 59 |
| 4 | 79 | 51 | 59 | 70 | 74 | 73 | 71 | 71 | 61 |
| 5 | 80 | 52 | 59 | 71 | 74 | 73 | 72 | 71 | 62 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 78 | 49 | 65 | 69 | 73 | 70 | 72 | 67 | 59 |
| 3 | 79 | 46 | 61 | 69 | 73 | 72 | 73 | 69 | 61 |
| 4 | 81 | 46 | 62 | 71 | 75 | 74 | 76 | 72 | 64 |
| 5 | 82 | 46 | 63 | 72 | 75 | 74 | 77 | 73 | 64 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 69 | 52 | 59 | 59 | 57 | 64 | 64 | 58 | 50 |
| 3 | 69 | 53 | 54 | 58 | 58 | 65 | 64 | 58 | 50 |
| 4 | 69 | 54 | 57 | 60 | 59 | 65 | 64 | 58 | 50 |
| 5 | 70 | 54 | 58 | 61 | 60 | 65 | 64 | 58 | 51 |

| Punkty pracy | Częstotliwości pasm oktaowych [Hz] | | | | | | | | |
|-----------------------------|------------------------------------|----|-----|-----|-----|------|------|------|------|
| | tot | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 85 | 51 | 71 | 73 | 80 | 78 | 78 | 74 | 68 |
| 3 | 85 | 50 | 68 | 70 | 82 | 78 | 78 | 74 | 67 |
| 4 | 87 | 51 | 67 | 72 | 84 | 81 | 80 | 77 | 70 |
| 5 | 89 | 52 | 71 | 75 | 85 | 83 | 81 | 79 | 72 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 86 | 53 | 73 | 74 | 81 | 77 | 79 | 75 | 68 |
| 3 | 85 | 49 | 69 | 70 | 80 | 78 | 79 | 75 | 68 |
| 4 | 88 | 43 | 66 | 70 | 83 | 81 | 82 | 78 | 71 |
| 5 | 90 | 47 | 67 | 73 | 84 | 82 | 84 | 81 | 74 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 80 | 55 | 67 | 66 | 68 | 72 | 77 | 72 | 67 |
| 3 | 80 | 53 | 63 | 63 | 68 | 72 | 77 | 72 | 67 |
| 4 | 80 | 51 | 61 | 63 | 70 | 73 | 77 | 72 | 67 |
| 5 | 80 | 52 | 62 | 65 | 70 | 73 | 77 | 72 | 67 |

charakterystyki pracy



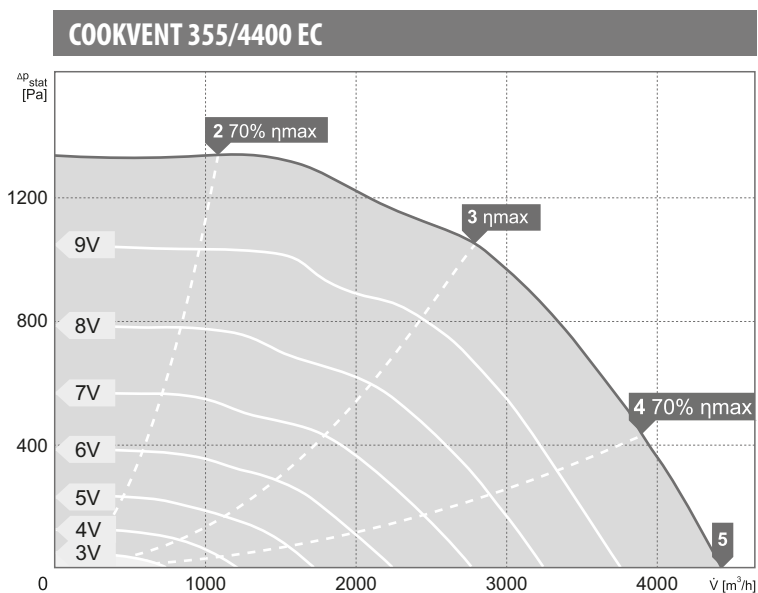
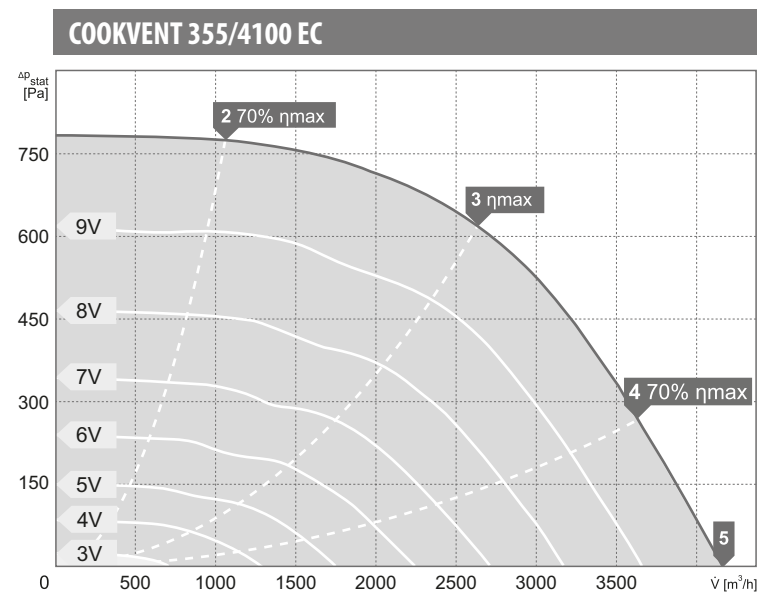
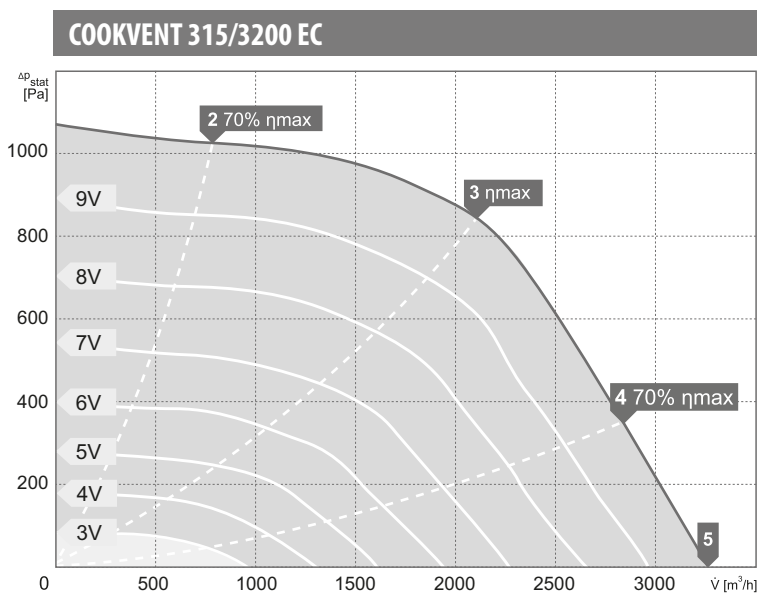
wartości mocy akustycznej L_{WA} [dB(A)]
dla poszczególnych częstotliwości pasm oktaowych [Hz]

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 80 | 51 | 67 | 74 | 74 | 70 | 72 | 71 | 66 |
| 3 | 82 | 48 | 64 | 77 | 78 | 73 | 73 | 71 | 69 |
| 4 | 85 | 53 | 69 | 79 | 81 | 75 | 75 | 72 | 69 |
| 5 | 85 | 53 | 69 | 79 | 81 | 76 | 75 | 72 | 69 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 81 | 55 | 67 | 77 | 72 | 73 | 75 | 71 | 65 |
| 3 | 85 | 47 | 63 | 81 | 77 | 76 | 77 | 72 | 68 |
| 4 | 85 | 49 | 66 | 80 | 77 | 77 | 78 | 73 | 68 |
| 5 | 85 | 50 | 66 | 80 | 77 | 77 | 78 | 73 | 68 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 75 | 52 | 66 | 69 | 60 | 66 | 69 | 64 | 59 |
| 3 | 75 | 50 | 62 | 71 | 64 | 67 | 69 | 64 | 58 |
| 4 | 76 | 53 | 66 | 73 | 67 | 67 | 69 | 64 | 58 |
| 5 | 77 | 53 | 67 | 73 | 67 | 67 | 69 | 64 | 58 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 86 | 55 | 72 | 81 | 82 | 76 | 77 | 74 | 71 |
| 3 | 86 | 49 | 67 | 75 | 83 | 77 | 78 | 75 | 72 |
| 4 | 90 | 49 | 70 | 79 | 88 | 80 | 79 | 77 | 72 |
| 5 | 91 | 52 | 70 | 81 | 89 | 81 | 81 | 78 | 74 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 88 | 58 | 73 | 85 | 81 | 78 | 80 | 76 | 71 |
| 3 | 86 | 51 | 66 | 78 | 79 | 79 | 81 | 76 | 71 |
| 4 | 89 | 51 | 67 | 80 | 82 | 82 | 83 | 78 | 72 |
| 5 | 90 | 53 | 69 | 82 | 83 | 83 | 85 | 79 | 74 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 80 | 56 | 72 | 74 | 66 | 71 | 75 | 70 | 65 |
| 3 | 78 | 51 | 66 | 68 | 67 | 71 | 75 | 70 | 65 |
| 4 | 79 | 52 | 68 | 71 | 69 | 71 | 74 | 70 | 64 |
| 5 | 80 | 54 | 71 | 73 | 70 | 71 | 75 | 70 | 65 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 81 | 51 | 69 | 74 | 76 | 73 | 73 | 69 | 62 |
| 3 | 81 | 43 | 60 | 75 | 76 | 74 | 74 | 70 | 64 |
| 4 | 86 | 49 | 67 | 79 | 82 | 78 | 76 | 73 | 66 |
| 5 | 86 | 48 | 66 | 79 | 82 | 78 | 77 | 74 | 67 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 83 | 51 | 70 | 76 | 75 | 76 | 77 | 72 | 64 |
| 3 | 84 | 45 | 61 | 79 | 76 | 78 | 78 | 73 | 66 |
| 4 | 87 | 47 | 67 | 80 | 79 | 81 | 81 | 76 | 69 |
| 5 | 87 | 47 | 67 | 80 | 80 | 82 | 81 | 76 | 69 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 72 | 53 | 61 | 63 | 58 | 65 | 68 | 62 | 54 |
| 3 | 71 | 49 | 52 | 63 | 58 | 66 | 68 | 62 | 54 |
| 4 | 72 | 50 | 58 | 66 | 60 | 65 | 68 | 62 | 55 |
| 5 | 72 | 49 | 58 | 66 | 60 | 65 | 68 | 62 | 55 |

charakterystyki pracy



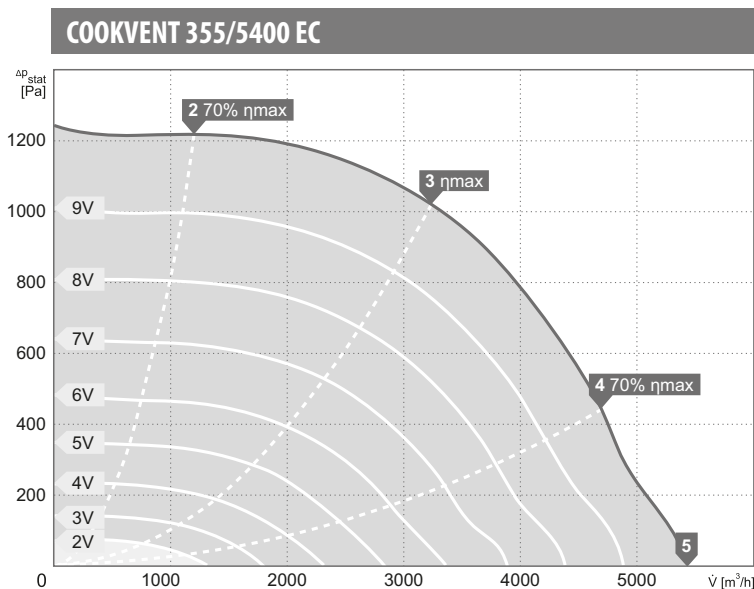
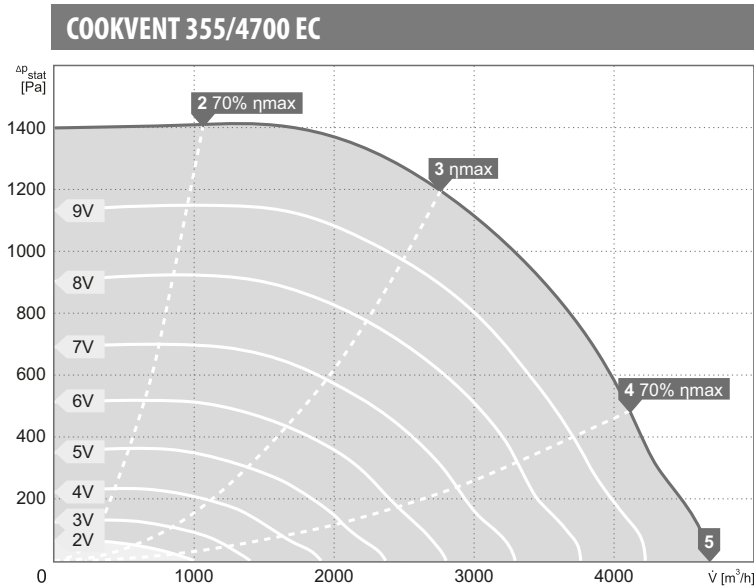
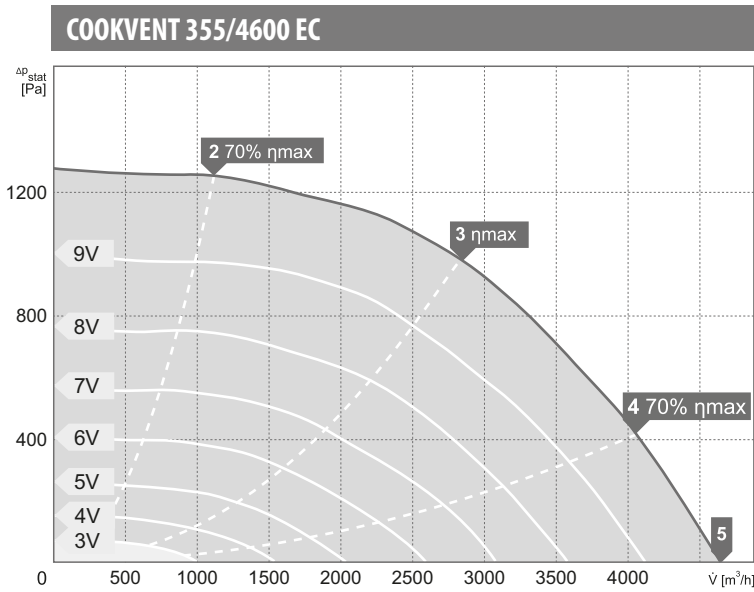
wartości mocy akustycznej L_{WA} [dB(A)]
dla poszczególnych częstotliwości pasm oktaowych [Hz]

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 84 | 57 | 71 | 76 | 79 | 76 | 75 | 72 | 65 |
| 3 | 83 | 53 | 61 | 75 | 78 | 76 | 75 | 72 | 66 |
| 4 | 86 | 54 | 64 | 78 | 82 | 79 | 77 | 73 | 66 |
| 5 | 88 | 55 | 67 | 80 | 85 | 81 | 79 | 76 | 70 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 87 | 60 | 73 | 82 | 79 | 79 | 80 | 75 | 67 |
| 3 | 86 | 59 | 65 | 81 | 79 | 79 | 79 | 75 | 68 |
| 4 | 90 | 56 | 66 | 84 | 83 | 83 | 83 | 77 | 69 |
| 5 | 92 | 59 | 68 | 87 | 85 | 85 | 85 | 80 | 74 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 75 | 60 | 65 | 66 | 62 | 67 | 71 | 65 | 58 |
| 3 | 74 | 59 | 56 | 63 | 61 | 68 | 71 | 64 | 58 |
| 4 | 74 | 56 | 58 | 66 | 63 | 67 | 70 | 64 | 57 |
| 5 | 75 | 55 | 60 | 68 | 65 | 67 | 71 | 65 | 58 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 81 | 50 | 66 | 73 | 75 | 74 | 74 | 73 | 67 |
| 3 | 82 | 42 | 59 | 74 | 75 | 75 | 76 | 74 | 70 |
| 4 | 84 | 45 | 63 | 77 | 78 | 77 | 77 | 75 | 70 |
| 5 | 85 | 46 | 64 | 78 | 78 | 78 | 77 | 75 | 70 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 82 | 50 | 65 | 75 | 72 | 77 | 76 | 73 | 65 |
| 3 | 83 | 42 | 58 | 76 | 73 | 78 | 77 | 74 | 68 |
| 4 | 84 | 46 | 63 | 76 | 76 | 80 | 78 | 75 | 68 |
| 5 | 85 | 47 | 64 | 77 | 76 | 80 | 79 | 75 | 68 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 68 | 48 | 59 | 64 | 56 | 63 | 59 | 55 | 50 |
| 3 | 69 | 65 | 50 | 64 | 58 | 63 | 59 | 56 | 52 |
| 4 | 70 | 44 | 56 | 67 | 59 | 63 | 59 | 55 | 47 |
| 5 | 70 | 45 | 57 | 67 | 59 | 63 | 59 | 55 | 46 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 87 | 56 | 70 | 81 | 82 | 78 | 78 | 77 | 71 |
| 3 | 87 | 49 | 60 | 79 | 82 | 78 | 79 | 78 | 73 |
| 4 | 90 | 49 | 65 | 83 | 86 | 82 | 82 | 80 | 74 |
| 5 | 91 | 50 | 65 | 83 | 87 | 82 | 82 | 81 | 75 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 88 | 59 | 73 | 84 | 79 | 81 | 82 | 78 | 71 |
| 3 | 89 | 53 | 62 | 78 | 80 | 83 | 83 | 80 | 74 |
| 4 | 90 | 53 | 64 | 79 | 82 | 85 | 85 | 80 | 73 |
| 5 | 90 | 53 | 64 | 79 | 82 | 85 | 85 | 81 | 74 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 75 | 54 | 65 | 70 | 64 | 67 | 70 | 65 | 58 |
| 3 | 74 | 47 | 56 | 63 | 65 | 67 | 71 | 65 | 58 |
| 4 | 74 | 48 | 57 | 65 | 65 | 67 | 70 | 65 | 58 |
| 5 | 75 | 48 | 58 | 66 | 65 | 68 | 71 | 65 | 58 |

charakterystyki pracy



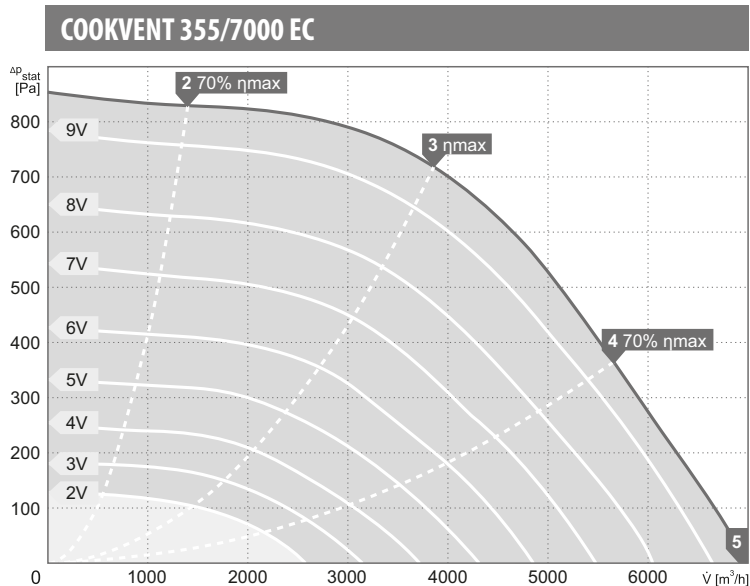
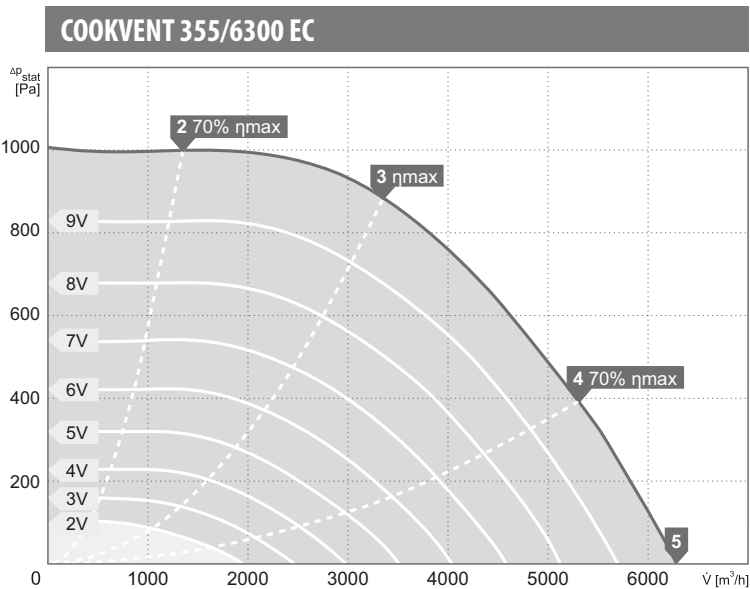
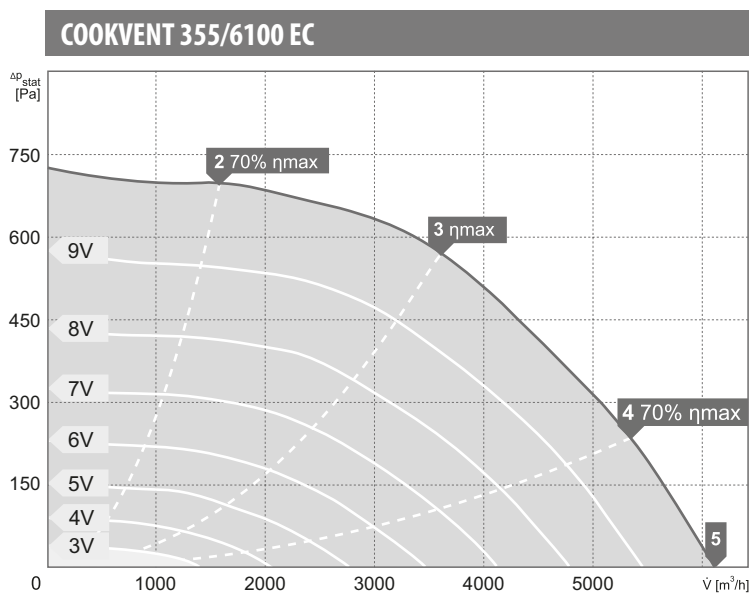
wartości mocy akustycznej L_{WA} [dB(A)]
dla poszczególnych częstotliwości pasm oktaowych [Hz]

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 74 | 48 | 63 | 67 | 68 | 67 | 67 | 65 | 57 |
| 3 | 74 | 42 | 63 | 67 | 68 | 67 | 67 | 66 | 59 |
| 4 | 67 | 46 | 64 | 62 | 54 | 56 | 54 | 51 | 43 |
| 5 | 79 | 49 | 69 | 72 | 73 | 71 | 71 | 69 | 63 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 75 | 49 | 63 | 67 | 66 | 71 | 69 | 64 | 55 |
| 3 | 76 | 44 | 65 | 69 | 68 | 71 | 69 | 65 | 56 |
| 4 | 79 | 49 | 67 | 71 | 71 | 74 | 72 | 68 | 59 |
| 5 | 80 | 50 | 68 | 72 | 71 | 75 | 73 | 70 | 60 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 64 | 46 | 60 | 58 | 51 | 55 | 53 | 49 | 43 |
| 3 | 64 | 42 | 61 | 58 | 51 | 55 | 53 | 49 | 43 |
| 4 | 67 | 46 | 64 | 62 | 54 | 56 | 54 | 51 | 43 |
| 5 | 68 | 46 | 64 | 63 | 54 | 56 | 54 | 51 | 43 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 88 | 56 | 71 | 82 | 82 | 78 | 79 | 77 | 71 |
| 3 | 87 | 50 | 61 | 79 | 82 | 78 | 79 | 78 | 72 |
| 4 | 92 | 49 | 65 | 83 | 87 | 82 | 82 | 81 | 75 |
| 5 | 94 | 54 | 68 | 85 | 89 | 85 | 85 | 83 | 78 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 90 | 61 | 74 | 85 | 81 | 82 | 83 | 79 | 72 |
| 3 | 89 | 54 | 64 | 79 | 80 | 82 | 82 | 79 | 73 |
| 4 | 91 | 53 | 64 | 79 | 82 | 85 | 85 | 81 | 74 |
| 5 | 94 | 56 | 68 | 83 | 85 | 88 | 88 | 84 | 78 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 77 | 55 | 65 | 70 | 65 | 68 | 71 | 65 | 59 |
| 3 | 75 | 49 | 57 | 65 | 66 | 68 | 72 | 66 | 59 |
| 4 | 76 | 49 | 60 | 68 | 66 | 68 | 71 | 66 | 59 |
| 5 | 77 | 54 | 64 | 71 | 68 | 70 | 73 | 68 | 61 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 87 | 56 | 70 | 80 | 80 | 79 | 79 | 78 | 72 |
| 3 | 87 | 47 | 62 | 81 | 79 | 79 | 80 | 79 | 74 |
| 4 | 91 | 49 | 67 | 85 | 83 | 82 | 82 | 81 | 75 |
| 5 | 93 | 54 | 71 | 87 | 85 | 85 | 85 | 83 | 78 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 89 | 56 | 70 | 84 | 79 | 82 | 82 | 79 | 72 |
| 3 | 89 | 48 | 61 | 83 | 78 | 82 | 82 | 80 | 73 |
| 4 | 91 | 50 | 65 | 84 | 81 | 85 | 84 | 81 | 74 |
| 5 | 93 | 54 | 69 | 86 | 84 | 87 | 86 | 83 | 77 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 74 | 54 | 64 | 69 | 60 | 66 | 67 | 61 | 54 |
| 3 | 72 | 45 | 55 | 66 | 60 | 67 | 67 | 61 | 54 |
| 4 | 74 | 49 | 61 | 70 | 63 | 67 | 68 | 61 | 54 |
| 5 | 76 | 53 | 64 | 72 | 65 | 69 | 69 | 63 | 55 |

charakterystyki pracy



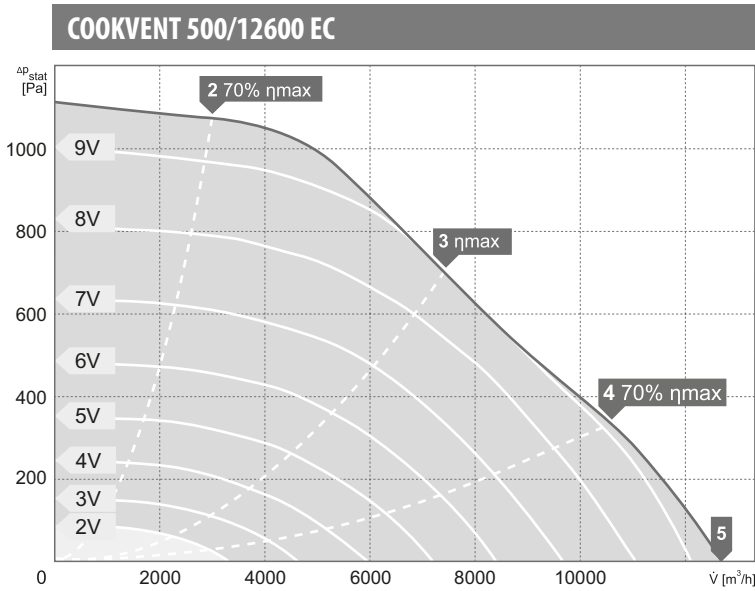
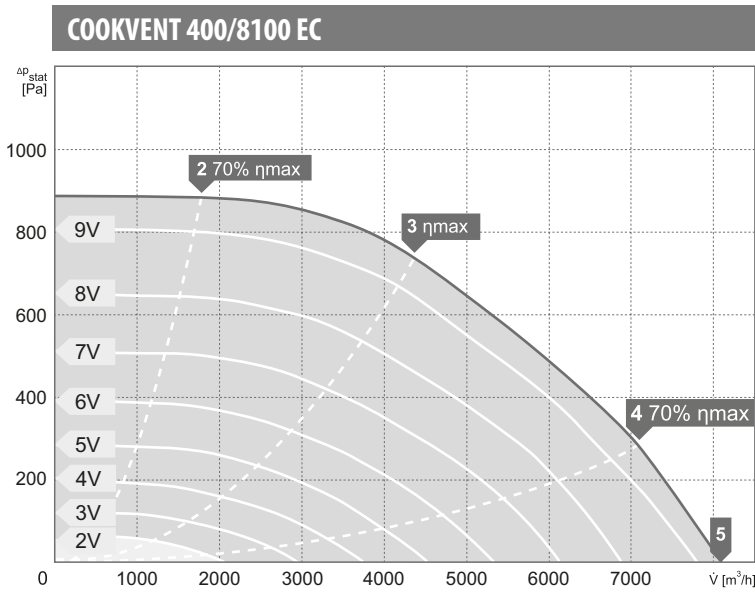
wartości mocy akustycznej L_{WA} [dB(A)]
dla poszczególnych częstotliwości pasm oktaowych [Hz]

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 75 | 38 | 57 | 64 | 68 | 68 | 69 | 68 | 63 |
| 3 | 80 | 45 | 63 | 72 | 74 | 73 | 72 | 71 | 68 |
| 4 | 79 | 43 | 63 | 71 | 74 | 72 | 72 | 70 | 67 |
| 5 | 79 | 43 | 62 | 71 | 73 | 72 | 71 | 70 | 67 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 76 | 37 | 57 | 65 | 66 | 71 | 70 | 68 | 61 |
| 3 | 80 | 45 | 63 | 71 | 71 | 74 | 73 | 71 | 64 |
| 4 | 79 | 43 | 61 | 70 | 71 | 74 | 72 | 70 | 63 |
| 5 | 78 | 43 | 61 | 69 | 70 | 73 | 71 | 69 | 63 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 60 | 35 | 49 | 56 | 50 | 54 | 51 | 47 | 38 |
| 3 | 64 | 42 | 56 | 61 | 53 | 56 | 52 | 49 | 39 |
| 4 | 63 | 42 | 55 | 60 | 53 | 55 | 52 | 48 | 39 |
| 5 | 63 | 41 | 55 | 60 | 53 | 55 | 52 | 48 | 39 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 82 | 55 | 69 | 75 | 76 | 74 | 75 | 74 | 65 |
| 3 | 81 | 48 | 62 | 73 | 74 | 73 | 74 | 73 | 66 |
| 4 | 84 | 50 | 68 | 78 | 78 | 76 | 76 | 75 | 67 |
| 5 | 87 | 53 | 69 | 81 | 81 | 78 | 78 | 78 | 69 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 84 | 56 | 68 | 78 | 74 | 78 | 77 | 73 | 64 |
| 3 | 83 | 50 | 62 | 77 | 73 | 76 | 75 | 73 | 64 |
| 4 | 86 | 51 | 64 | 81 | 78 | 80 | 78 | 75 | 66 |
| 5 | 89 | 54 | 68 | 84 | 80 | 83 | 81 | 79 | 69 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 73 | 50 | 63 | 69 | 59 | 63 | 59 | 55 | 49 |
| 3 | 71 | 44 | 57 | 69 | 61 | 63 | 59 | 55 | 49 |
| 4 | 74 | 48 | 62 | 72 | 63 | 64 | 60 | 56 | 48 |
| 5 | 75 | 50 | 65 | 74 | 63 | 65 | 60 | 57 | 49 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 81 | 58 | 70 | 75 | 75 | 74 | 74 | 72 | 62 |
| 3 | 83 | 49 | 65 | 78 | 77 | 75 | 74 | 71 | 63 |
| 4 | 85 | 54 | 70 | 81 | 79 | 78 | 77 | 75 | 66 |
| 5 | 88 | 59 | 73 | 83 | 81 | 80 | 79 | 77 | 68 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 83 | 57 | 69 | 78 | 73 | 77 | 76 | 72 | 63 |
| 3 | 83 | 47 | 62 | 78 | 73 | 77 | 76 | 72 | 63 |
| 4 | 86 | 50 | 66 | 82 | 76 | 80 | 78 | 75 | 66 |
| 5 | 89 | 53 | 70 | 86 | 79 | 82 | 81 | 77 | 68 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 70 | 52 | 63 | 68 | 55 | 60 | 57 | 59 | 48 |
| 3 | 70 | 43 | 56 | 69 | 56 | 62 | 57 | 58 | 47 |
| 4 | 73 | 48 | 60 | 73 | 58 | 63 | 56 | 54 | 45 |
| 5 | 75 | 51 | 64 | 75 | 59 | 62 | 57 | 54 | 45 |

charakterystyki pracy



wartości mocy akustycznej L_{WA} [dB(A)]
dla poszczególnych częstotliwości pasm oktaowych [Hz]

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 83 | 61 | 70 | 73 | 75 | 77 | 78 | 75 | 66 |
| 3 | 82 | 56 | 71 | 72 | 73 | 75 | 76 | 73 | 65 |
| 4 | 85 | 61 | 77 | 78 | 76 | 77 | 77 | 74 | 66 |
| 5 | 87 | 66 | 80 | 80 | 78 | 79 | 79 | 76 | 68 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 83 | 55 | 68 | 69 | 74 | 78 | 77 | 73 | 63 |
| 3 | 83 | 56 | 70 | 71 | 74 | 78 | 77 | 73 | 64 |
| 4 | 85 | 57 | 73 | 76 | 77 | 80 | 78 | 74 | 65 |
| 5 | 87 | 64 | 75 | 79 | 80 | 82 | 80 | 76 | 66 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 70 | 55 | 66 | 61 | 56 | 60 | 62 | 56 | 56 |
| 3 | 70 | 52 | 65 | 63 | 58 | 61 | 62 | 57 | 57 |
| 4 | 72 | 57 | 68 | 67 | 60 | 61 | 62 | 57 | 58 |
| 5 | 74 | 60 | 71 | 69 | 61 | 62 | 63 | 59 | 58 |

| Punkty pracy | tot | Częstotliwości pasm oktaowych [Hz] | | | | | | | |
|-----------------------------|-----|------------------------------------|-----|-----|-----|------|------|------|------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| L_{WA} wlot [dB(A)] | | | | | | | | | |
| 2 | 88 | 75 | 76 | 78 | 80 | 82 | 82 | 77 | 69 |
| 3 | 86 | 55 | 75 | 76 | 77 | 80 | 80 | 76 | 69 |
| 4 | 89 | 61 | 79 | 81 | 81 | 82 | 83 | 80 | 71 |
| 5 | 90 | 62 | 80 | 82 | 82 | 83 | 84 | 82 | 72 |
| L_{WA} wylot [dB(A)] | | | | | | | | | |
| 2 | 88 | 74 | 78 | 80 | 80 | 83 | 81 | 77 | 68 |
| 3 | 85 | 54 | 74 | 73 | 78 | 80 | 78 | 74 | 66 |
| 4 | 89 | 60 | 79 | 80 | 82 | 84 | 83 | 79 | 69 |
| 5 | 92 | 62 | 82 | 83 | 85 | 86 | 85 | 83 | 71 |
| L_{WA} od obudowy [dB(A)] | | | | | | | | | |
| 2 | 76 | 65 | 71 | 67 | 69 | 67 | 67 | 64 | 60 |
| 3 | 74 | 54 | 68 | 64 | 67 | 65 | 65 | 62 | 59 |
| 4 | 78 | 57 | 74 | 70 | 71 | 67 | 68 | 65 | 61 |
| 5 | 81 | 59 | 78 | 73 | 73 | 70 | 70 | 67 | 62 |