

## ZASTOSOWANIE

Wentylator promieniowy bez obudowy przeznaczony do transportu powietrza czystego lub lekko zapyłonego. Typowe zastosowania:

- centrale wentylacyjne,
- systemy suszące,
- układy recyrkulacji powietrza,
- komory lakiernicze.

## KONSTRUKCJA

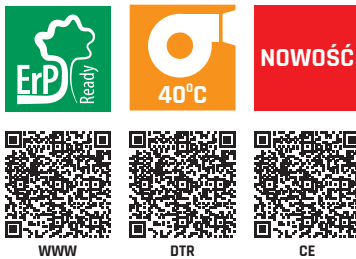
- wentylator promieniowy o napędzie bezpośrednim,
- wirnik aluminiowy z łopatkami pochylonymi do tyłu, wyważony dynamicznie wg ISO 21940-1,
- wentylator przystosowany do pracy w pozycji poziomej,
- wentylator aluminiowy ze stalowymi elementami podstawy malowanymi na kolor szary RAL 7042,
- zakres temperatur pracy wentylatora od -20°C do +40°C,
- lej wlotowy wyposażony w 4 nypły Ø6mm do pomiaru ciśnienia rozłożone równomiernie na obwodzie wlotu w pobliżu wirnika.

## SILNIK ELEKTRYCZNY

- asynchroniczny, trójfazowy, 230/400V 50Hz lub 400/690V 50Hz,
- stopień ochrony IP55,
- klasa izolacji F,
- do regulacji częstotliwościowej.

## WYKONANIA SPECJALNE

- malowanie na kolor inny niż standardowy,
- silnik na inne niż standardowe napięcie oraz częstotliwość zasilania,
- silnik o innym stopniu ochrony IP,
- zakres temperatur pracy wentylatora poniżej -20°C oraz powyżej +40°C.



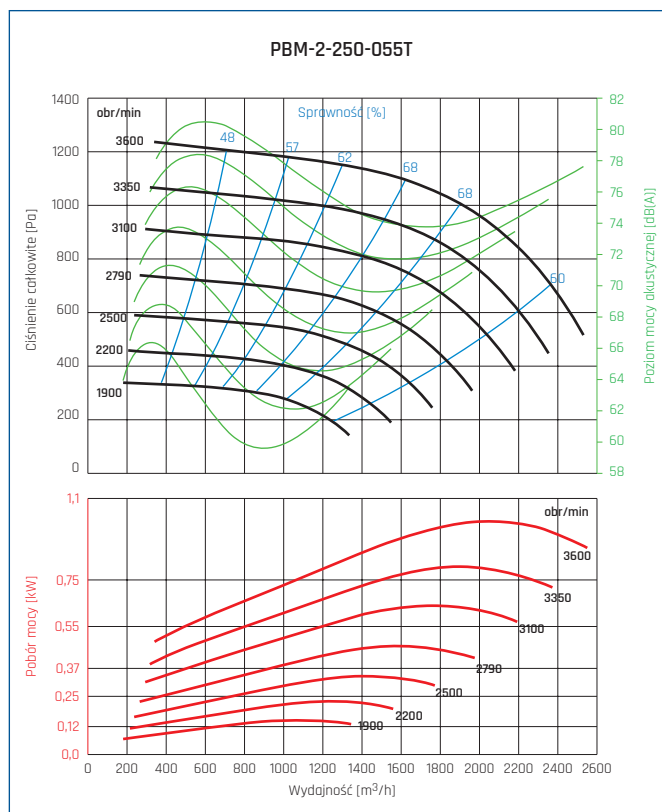
## DANE TECHNICZNE

| Typ             | wydajność max | ciśnienie max | moc silnika | prędkość obrotowa | natężenie   | napięcie  | poziom ciśn. akust.* | masa | nr artykułu |
|-----------------|---------------|---------------|-------------|-------------------|-------------|-----------|----------------------|------|-------------|
|                 | [m³/h]        | [Pa]          | [kW]        | [obr/min]         | [A]         | [V]       | [dB(A)]              | [kg] |             |
| PBM-2-250-055T  | 2310          | 860           | 0,55        | 2790              | 2,35 / 1,35 | 230 / 400 | 69                   | 16   | 461125205   |
| PBM-2-280-110T  | 3150          | 1055          | 1,1         | 2890              | 4,3 / 2,5   | 230 / 400 | 72                   | 23   | 461128211   |
| PBM-2-315-150T  | 4420          | 1320          | 1,5         | 2880              | 5,25 / 3,0  | 230 / 400 | 75                   | 32   | 461131215   |
| PBM-2-355-300T  | 6350          | 1680          | 3,0         | 2890              | 11 / 6,3    | 230 / 400 | 79                   | 39   | 461135230   |
| PBM-4-355-037T  | 3080          | 420           | 0,37        | 1370              | 1,25 / 2,2  | 230 / 400 | 64                   | 20   | 461135403   |
| PBM-2-400-550T  | 9050          | 2120          | 5,5         | 2925              | 9,8 / 5,7   | 400 / 690 | 82                   | 83   | 461140255   |
| PBM-4-400-075T  | 4380          | 530           | 0,75        | 1430              | 3,6 / 2,1   | 230 / 400 | 67                   | 40   | 461140407   |
| PBM-2-450-1100T | 12990         | 2700          | 11,0        | 2945              | 19,1 / 11,1 | 400 / 690 | 86                   | 112  | 461145211   |
| PBM-4-450-110T  | 6400          | 685           | 1,1         | 1425              | 4,3 / 2,5   | 230 / 400 | 71                   | 62   | 461145411   |
| PBM-2-500-1500T | 18500         | 3420          | 15,0        | 2940              | 26,5 / 15,4 | 400 / 690 | 89                   | 128  | 461150215   |
| PBM-4-500-220T  | 9200          | 855           | 2,2         | 1435              | 8,5 / 5,1   | 230 / 400 | 75                   | 75   | 461150422   |
| PBM-4-560-300T  | 12450         | 1060          | 3,0         | 1445              | 11,6 / 6,8  | 230 / 400 | 78                   | 81   | 461156430   |
| PBM-6-560-150T  | 8250          | 470           | 1,5         | 930               | 7,2 / 4,2   | 230 / 400 | 69                   | 75   | 461156615   |
| PBM-4-630-550T  | 17750         | 1320          | 5,5         | 1455              | 11,1 / 6,8  | 400 / 690 | 81                   | 156  | 461163455   |
| PBM-6-630-220T  | 11750         | 590           | 2,2         | 950               | 9,9 / 5,8   | 230 / 400 | 73                   | 112  | 461163622   |
| PBM-4-710-1100T | 25200         | 1690          | 11,0        | 1465              | 21,2 / 12,3 | 400 / 690 | 85                   | 236  | 461171411   |
| PBM-6-710-300T  | 16820         | 755           | 3,0         | 965               | 12,3 / 7,2  | 230 / 400 | 76                   | 158  | 461171630   |
| PBM-4-800-1850T | 35980         | 2135          | 18,5        | 1470              | 35 / 23     | 400 / 690 | 88                   | 287  | 461180418   |
| PBM-6-800-550T  | 24000         | 950           | 5,5         | 950               | 12,3 / 7,1  | 400 / 690 | 78                   | 205  | 461180655   |

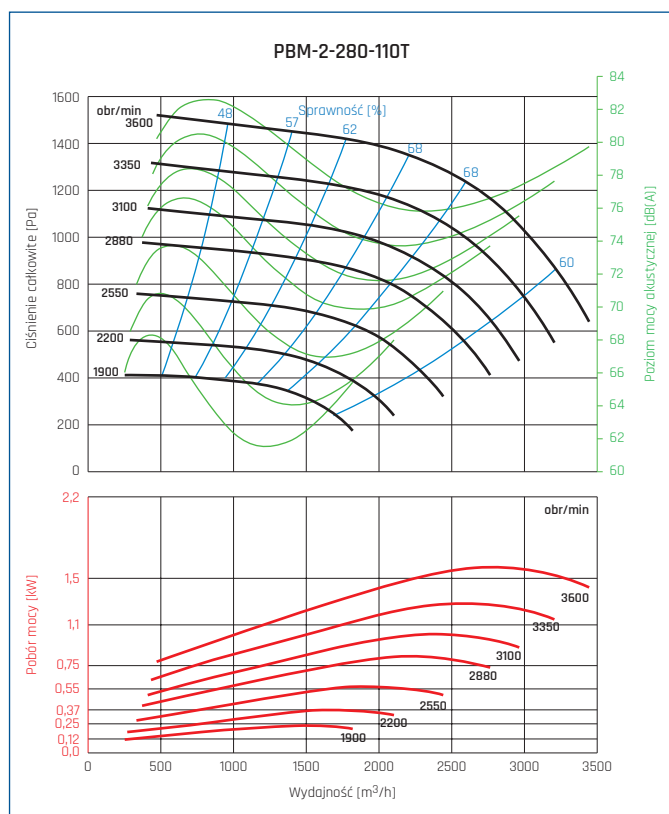
\* pomiar wykonany w odległości 1m od wentylatora, dla Q=2/3\*Qmax

## CHARAKTERYSTYKI PRACY

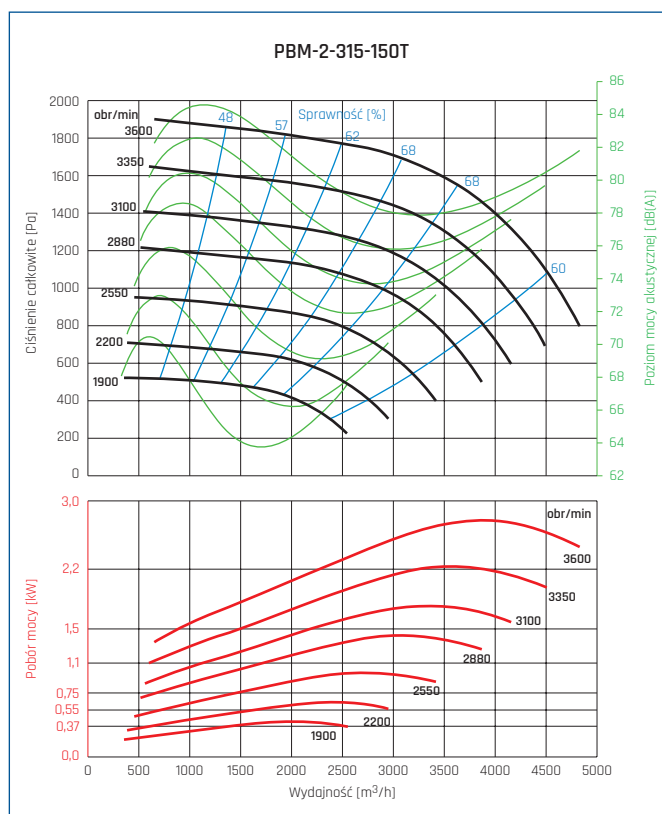
- MC      Kategoria pomiarowa
- EC      Kategoria sprawności
- VSD     Regulacja prędkości
- SR      Ilość biegów
- $\eta$  [%]   Sprawność
- N       Współczynnik sprawności
- [kW]     Pobór mocy
- [m<sup>3</sup>/h]   Wydajność
- [Pa]     Ciśnienie całkowite
- [RPM]    Prędkość obrotowa



| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|---------------------|------|-------|
| B  | Całkowito | Nie | 1  | 52,9       | 67,2 | 0,44 | 1263                | 662  | 2790  |

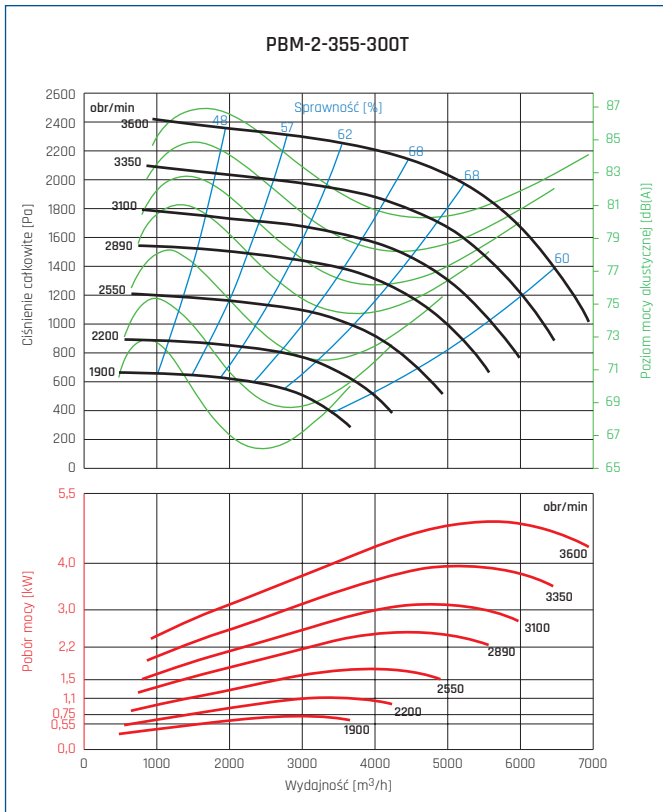


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|---------------------|------|-------|
| B  | Całkowito | Nie | 1  | 55,6       | 67,2 | 0,78 | 1783                | 874  | 2890  |

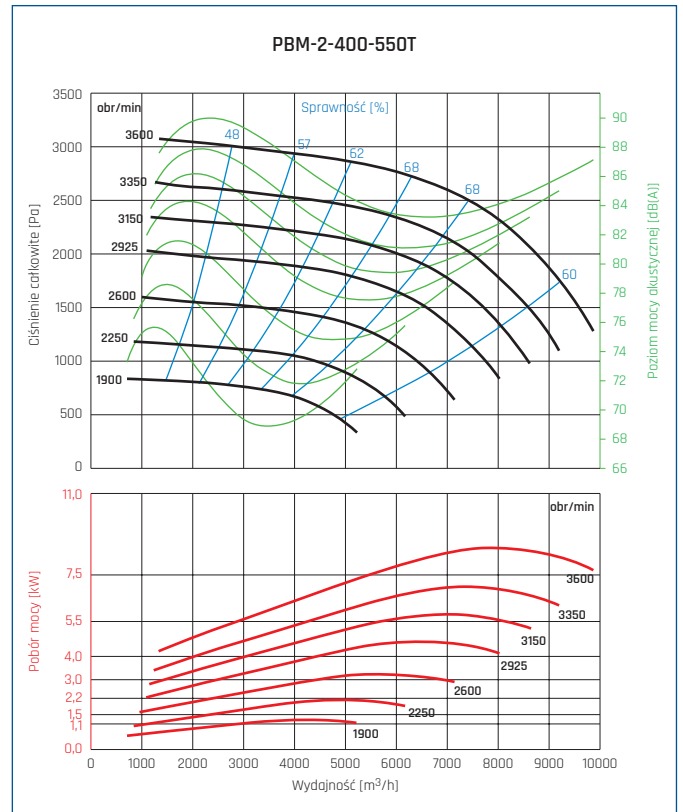


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m <sup>3</sup> /h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|---------------------|------|-------|
| B  | Całkowito | Nie | 1  | 56,4       | 65,6 | 1,33 | 2488                | 1086 | 2880  |

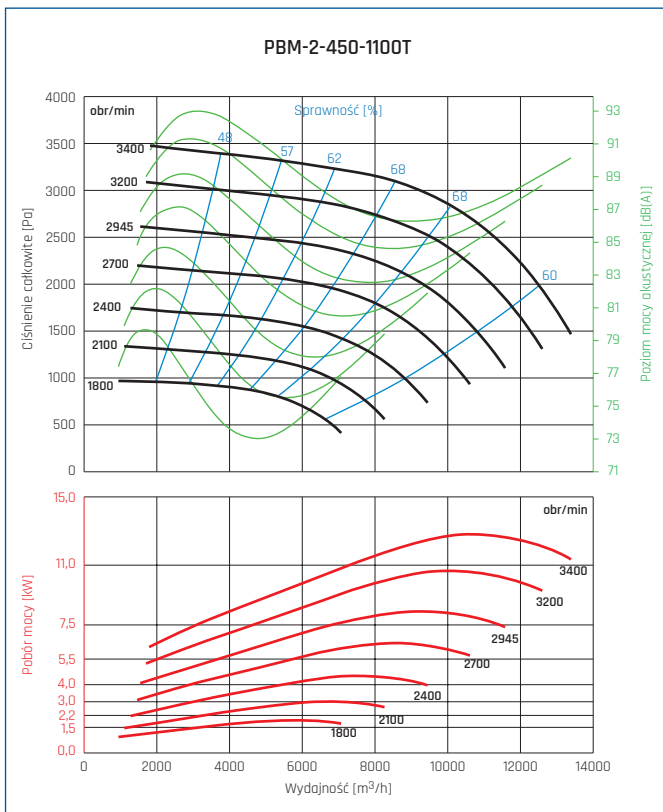
CHARAKTERYSTYKI PRACY



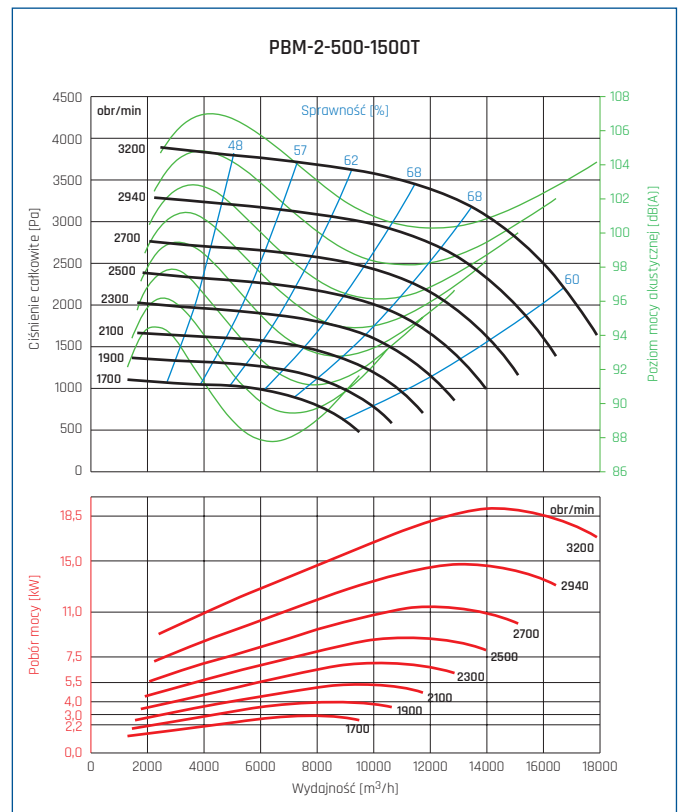
| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 58,3       | 64,8 | 2,38 | 3585   | 1391 | 2890  |



| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 59,2       | 63,0 | 4,36 | 5161   | 1801 | 2925  |

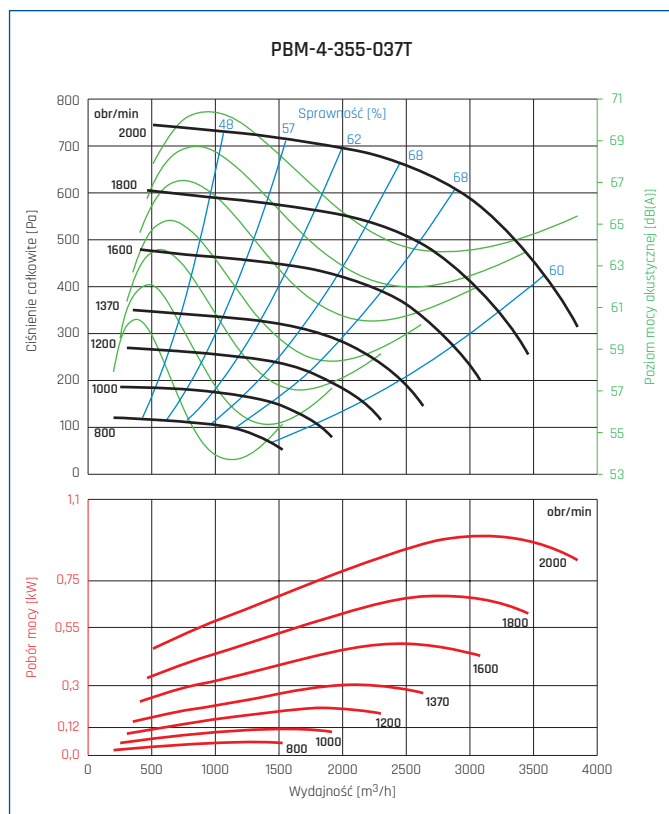


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 61,7       | 62,0 | 7,81 | 7460   | 2324 | 2945  |

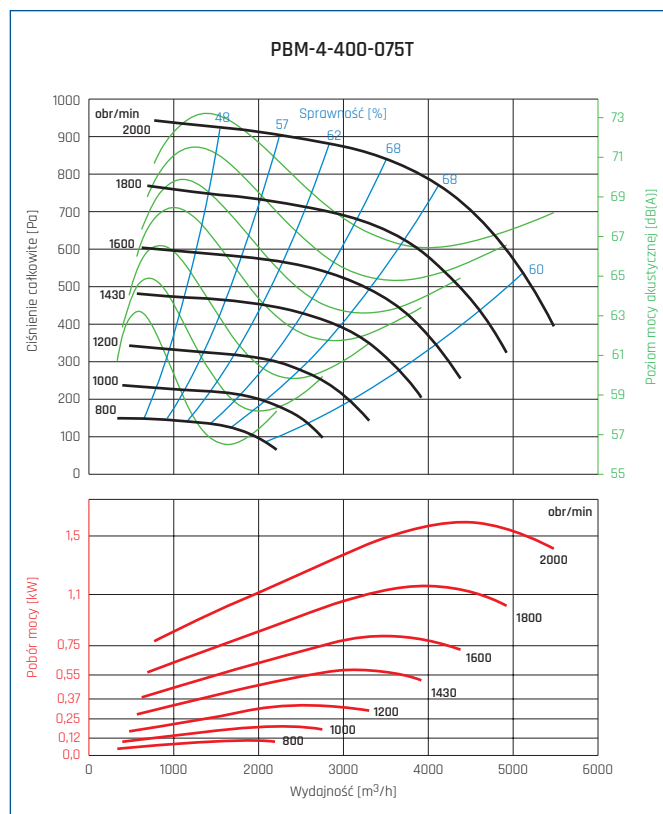


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|-------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 62,2       | 62,0 | 13,84 | 10588  | 2930 | 2940  |

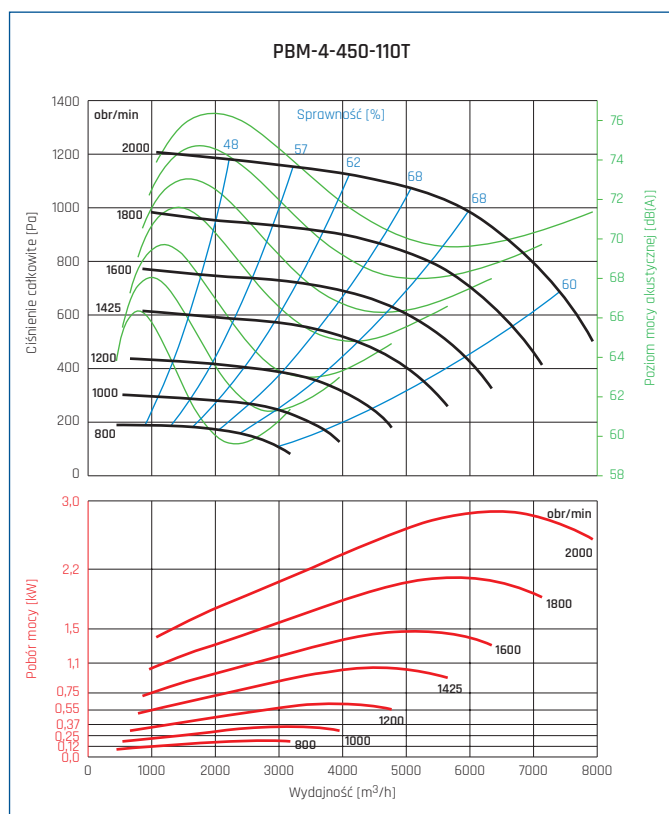
## CHARAKTERYSTYKI PRACY



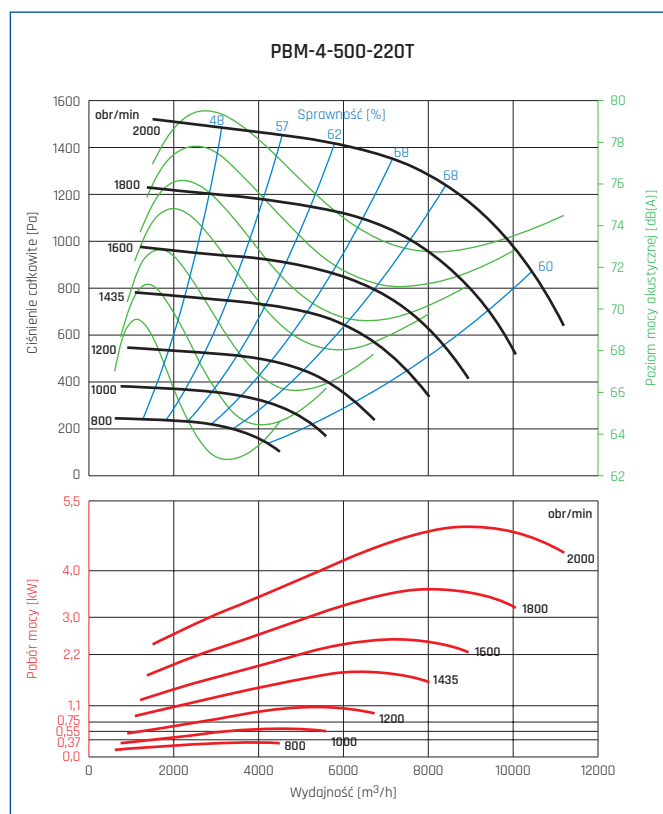
| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 51,8       | 68,0 | 0,29 | 1699   | 322  | 1370  |



| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 55,2       | 68,4 | 0,55 | 2523   | 430  | 1430  |

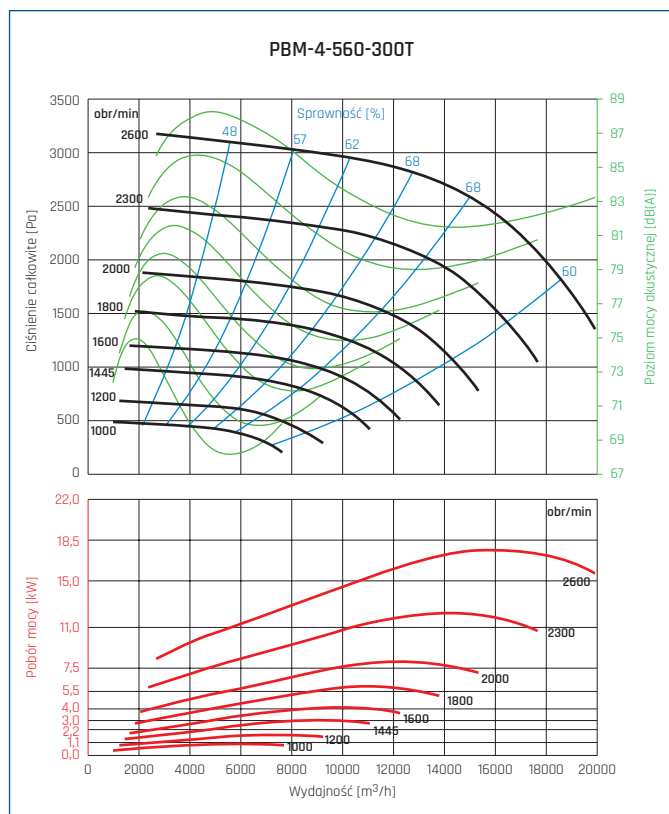


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 56,3       | 66,9 | 0,98 | 3633   | 547  | 1425  |

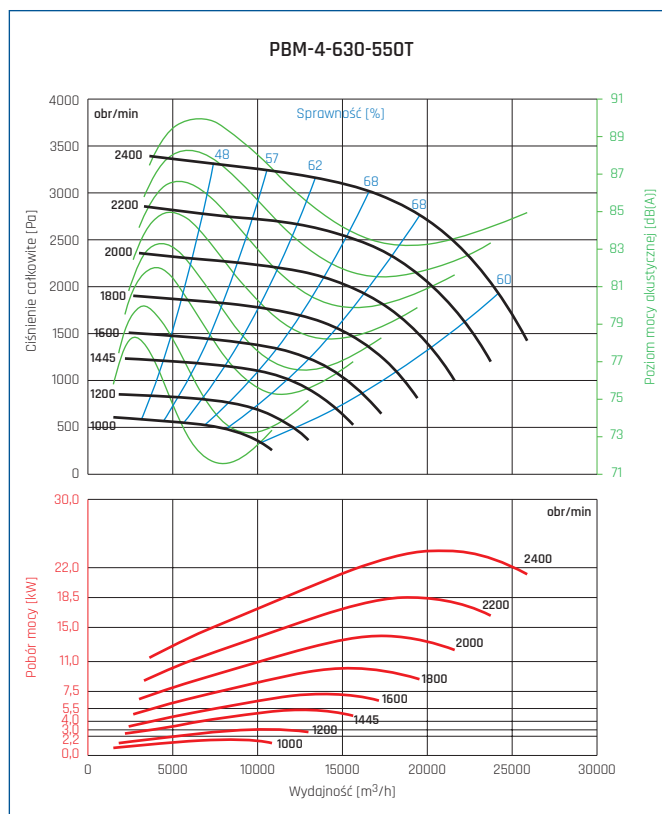


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 58         | 66,0 | 1,73 | 5168   | 698  | 1435  |

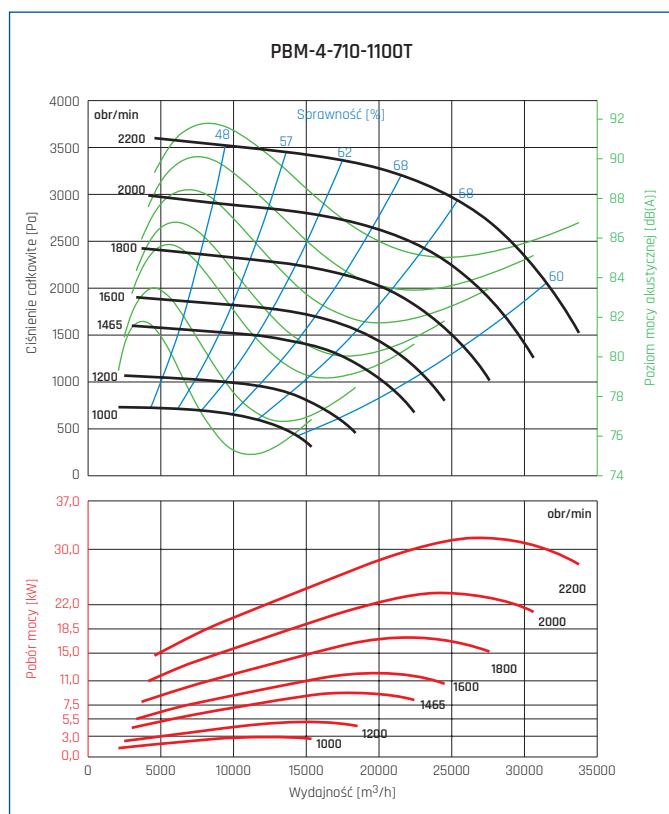
## CHARAKTERYSTYKI PRACY



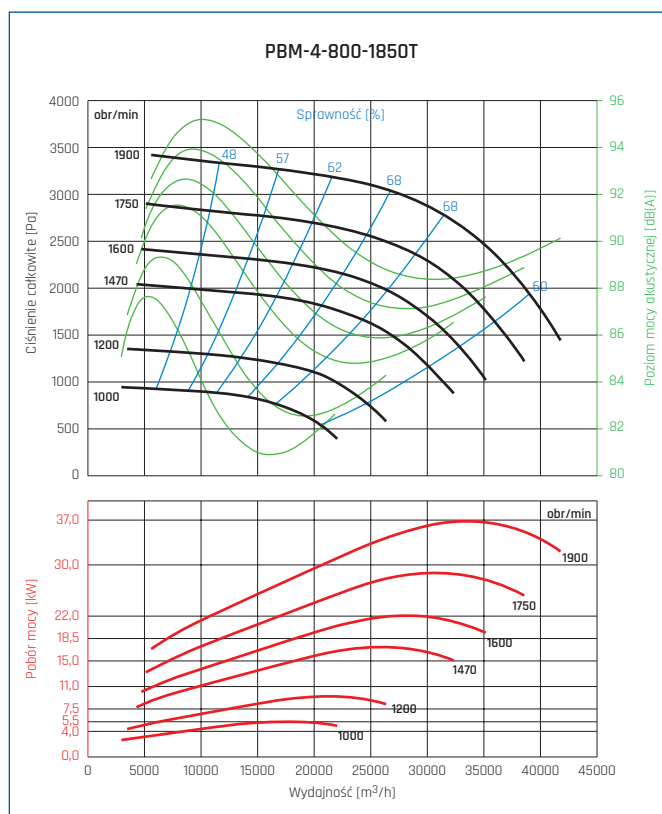
| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 60,5       | 66,2 | 2,86 | 7131   | 874  | 1445  |



| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 61,8       | 64,9 | 5,05 | 10104  | 1112 | 1455  |

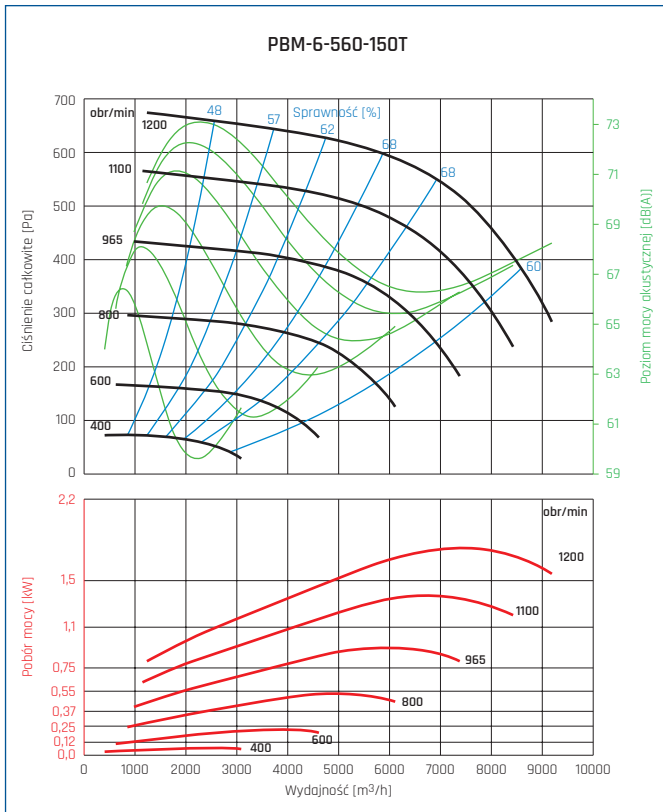


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 64,7       | 64,9 | 8,87 | 14478  | 1426 | 1465  |

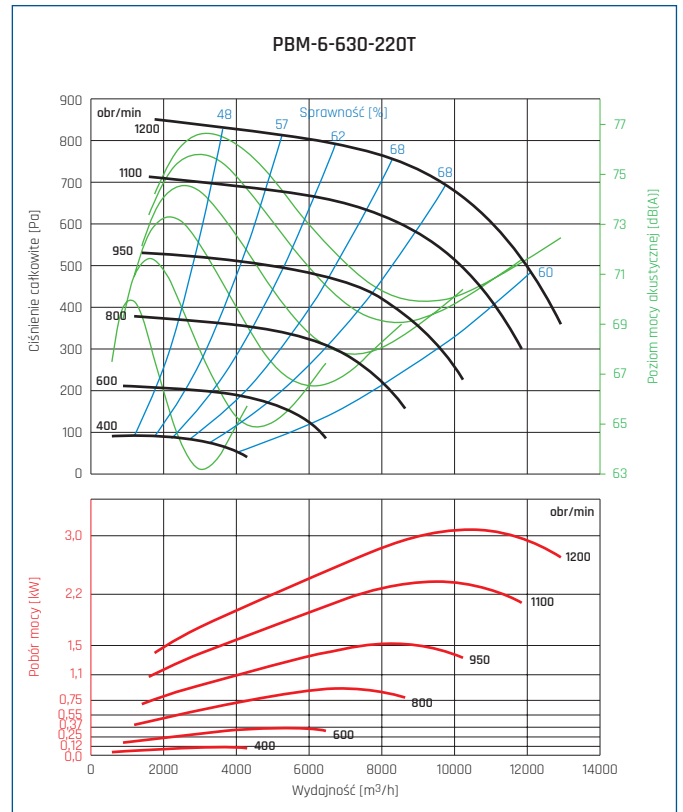


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW]  | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|-------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 61,8       | 65,2 | 16,09 | 20828  | 1825 | 1470  |

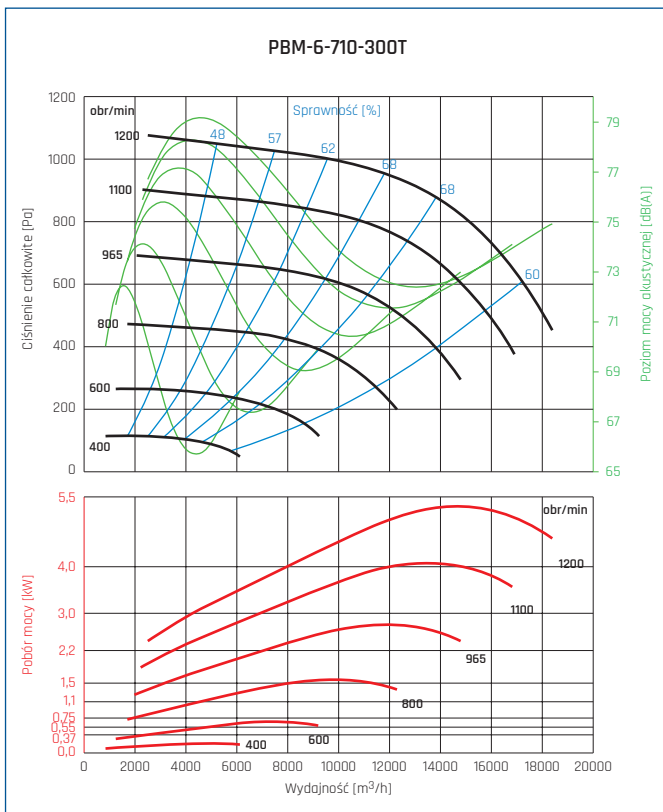
## CHARAKTERYSTYKI PRACY



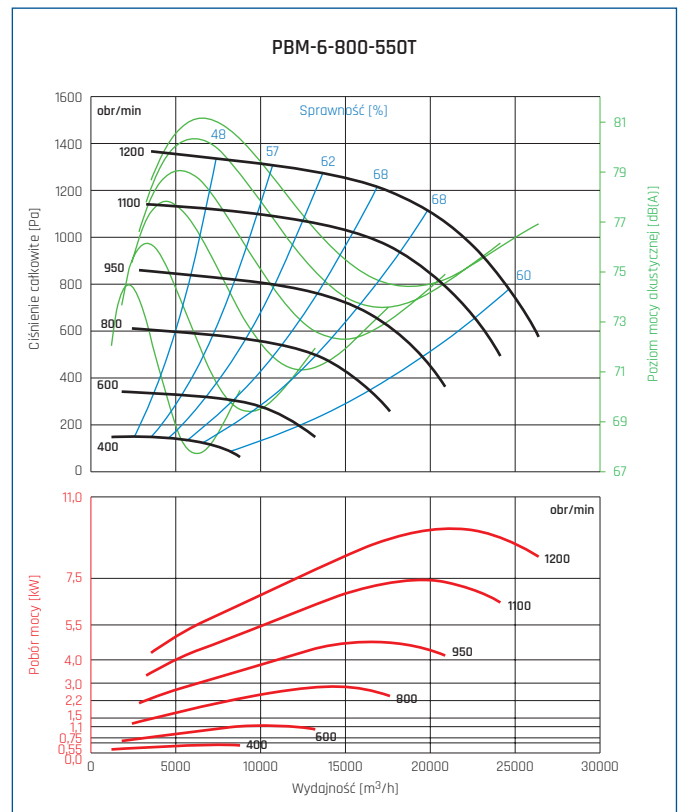
| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 58,5       | 70,1 | 0,79 | 4589   | 362  | 930   |



| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 59,8       | 68,5 | 1,45 | 6597   | 474  | 950   |

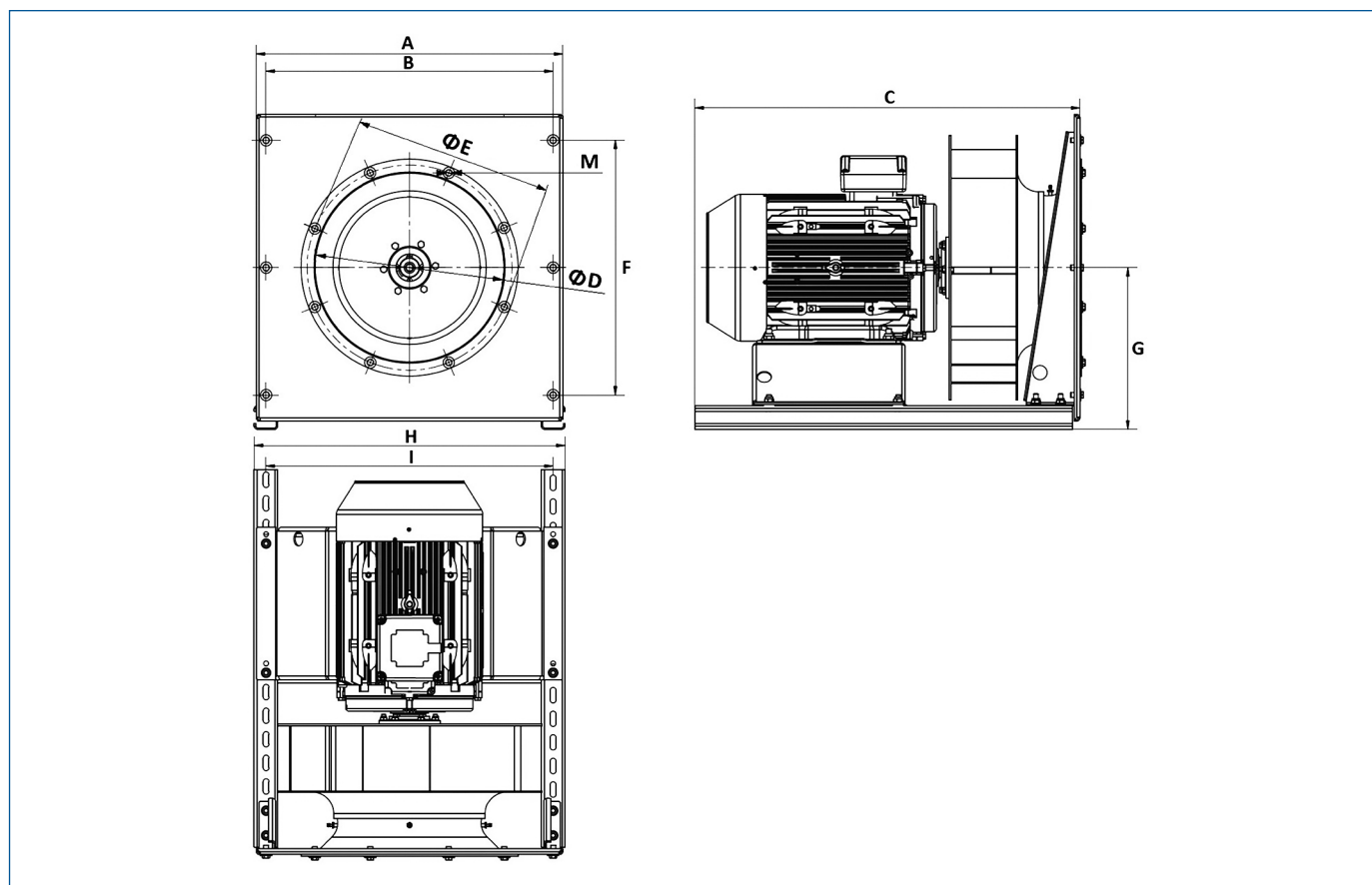


| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 62,5       | 68,6 | 2,62 | 9537   | 619  | 965   |



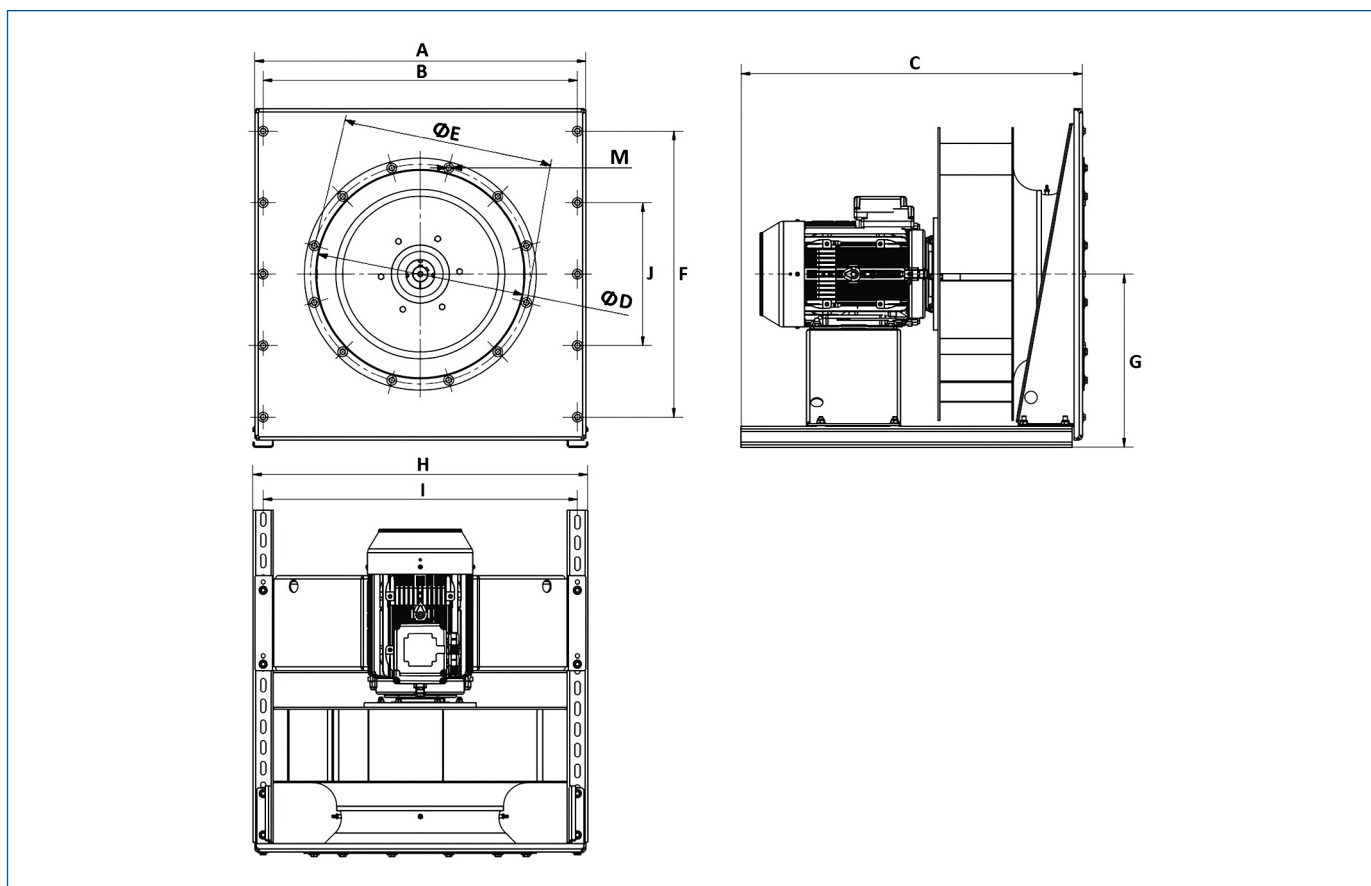
| MC | EC        | VSD | SR | $\eta$ [%] | N    | [kW] | [m³/h] | [Pa] | [RPM] |
|----|-----------|-----|----|------------|------|------|--------|------|-------|
| B  | Całkowita | Nie | 1  | 63,2       | 66,9 | 4,51 | 13460  | 762  | 950   |

## WYMIARY [mm]



| Typ     | A   | B   | C   | ØD  | ØE  | F   | G     | H   | I   | M       |
|---------|-----|-----|-----|-----|-----|-----|-------|-----|-----|---------|
| PBM-250 | 400 | 359 | 415 | 200 | 225 | 290 | 217,5 | 409 | 359 | 6 x M6  |
| PBM-280 | 400 | 359 | 465 | 225 | 250 | 290 | 217,5 | 409 | 359 | 6 x M6  |
| PBM-315 | 500 | 459 | 515 | 250 | 275 | 390 | 267,5 | 509 | 459 | 6 x M6  |
| PBM-355 | 500 | 460 | 565 | 280 | 310 | 390 | 265,0 | 510 | 460 | 8 x M6  |
| PBM-400 | 600 | 559 | 605 | 311 | 340 | 490 | 317,5 | 609 | 559 | 8 x M6  |
| PBM-450 | 600 | 559 | 815 | 354 | 385 | 490 | 317,5 | 609 | 559 | 8 x M6  |
| PBM-500 | 650 | 609 | 816 | 400 | 435 | 540 | 342,5 | 659 | 609 | 8 x M8  |
| PBM-560 | 700 | 659 | 676 | 450 | 485 | 590 | 367,5 | 709 | 659 | 12 x M8 |

## WYMIARY [mm]



| Typ     | A    | B   | C    | ØD  | ØE  | F   | G     | H    | I   | J   | M       |
|---------|------|-----|------|-----|-----|-----|-------|------|-----|-----|---------|
| PBM-630 | 800  | 759 | 824  | 500 | 530 | 690 | 417,5 | 809  | 759 | 345 | 12 x M8 |
| PBM-710 | 900  | 859 | 964  | 560 | 600 | 790 | 467,5 | 909  | 859 | 395 | 12 x M8 |
| PBM-800 | 1000 | 959 | 1064 | 630 | 670 | 890 | 517,5 | 1009 | 959 | 445 | 12 x M8 |