



# Wentylator promieniowy

WPRM-2

800

|                          |                   |                      |                       |                                                                  |                                               |                           |                                                               |
|--------------------------|-------------------|----------------------|-----------------------|------------------------------------------------------------------|-----------------------------------------------|---------------------------|---------------------------------------------------------------|
| Ciśnienie całkowite [Pa] | Temperatura:      |                      | 20 °C                 | Moc na wale P <sub>w</sub> [kW]                                  | Liczba obrotów wirnika n [min <sup>-1</sup> ] | Prędkość obwodowa u [m/s] | Korekcja K [dB]<br>L <sub>WA</sub> =L <sub>W</sub> -K [dB(A)] |
|                          | Gęstość czynnika: |                      | 1.2 kg/m <sup>3</sup> |                                                                  |                                               |                           |                                                               |
|                          |                   | Moment bezwładności: |                       | 28 kg/m <sup>2</sup>                                             |                                               |                           |                                                               |
| 3150                     | 0,65              |                      |                       | 113                                                              |                                               |                           |                                                               |
| 2800                     | 0,70              |                      |                       | 111                                                              |                                               |                           |                                                               |
| 2500                     | 0,75              |                      |                       | 109                                                              |                                               |                           |                                                               |
| 2240                     | 0,80              |                      |                       | 107                                                              |                                               |                           |                                                               |
| 2000                     | 0,84              |                      |                       | 105                                                              |                                               |                           |                                                               |
| 1800                     | 0,80              |                      |                       | 102                                                              |                                               |                           |                                                               |
| 1600                     | 0,75              |                      |                       | 100                                                              |                                               |                           |                                                               |
| 1400                     | 0,70              |                      |                       | 97                                                               |                                               |                           |                                                               |
| 1250                     | 0,65              |                      |                       | 94                                                               |                                               |                           |                                                               |
| 1120                     |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 1000                     |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 900                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 800                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 710                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 630                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 560                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 500                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 450                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 400                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 355                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 315                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 280                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 250                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 224                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 200                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
| 180                      |                   |                      |                       | 91                                                               |                                               |                           |                                                               |
|                          |                   |                      |                       | Moc na wale P <sub>w</sub> [kW]                                  |                                               |                           |                                                               |
|                          |                   |                      |                       | Wydajność V [m <sup>3</sup> /h]                                  |                                               |                           |                                                               |
|                          |                   |                      |                       | Wydajność V [m <sup>3</sup> /s]                                  |                                               |                           |                                                               |
|                          |                   |                      |                       | Szybkość przepływu c <sub>1</sub> =c <sub>2</sub> [m/s]          |                                               |                           |                                                               |
|                          |                   |                      |                       | Ciśnienie dynamiczne [da Pa = kp/m <sup>2</sup> ] p <sub>d</sub> |                                               |                           |                                                               |
| 8 000                    | 2,24              | 4,5                  | 1,25                  | 8,0                                                              | 10                                            | 12,5                      | 16                                                            |
| 9 000                    | 2,5               | 5,0                  | 1,6                   | 10                                                               | 12,5                                          | 16                        | 20                                                            |
| 10 000                   | 2,8               | 5,6                  | 2,0                   | 12,5                                                             | 16                                            | 20                        | 25                                                            |
| 11 200                   | 3,15              | 6,3                  | 2,5                   | 16                                                               | 20                                            | 25                        | 31,5                                                          |
| 12 500                   | 3,55              | 7,1                  | 3,1                   | 20                                                               | 25                                            | 31,5                      | 40                                                            |
| 14 000                   | 4,0               | 8,0                  | 4,0                   | 25                                                               | 31,5                                          | 40                        | 50                                                            |
| 16 000                   | 4,5               | 9,0                  | 5,0                   | 31,5                                                             | 40                                            | 50                        | 63                                                            |
| 18 000                   | 5,0               | 10                   | 6,3                   | 40                                                               | 50                                            | 63                        |                                                               |
| 20 000                   | 5,6               | 11,2                 | 8,0                   | 50                                                               | 63                                            |                           |                                                               |
| 22 400                   | 6,3               | 12,5                 | 10                    | 63                                                               |                                               |                           |                                                               |
| 25 000                   | 7,1               | 14                   | 12,5                  |                                                                  |                                               |                           |                                                               |
| 28 000                   | 8,0               | 16                   | 16                    |                                                                  |                                               |                           |                                                               |
| 31 500                   | 9,0               | 18                   | 20                    |                                                                  |                                               |                           |                                                               |
| 35 500                   | 10                | 20                   | 25                    |                                                                  |                                               |                           |                                                               |
| 40 000                   | 11,2              | 22,4                 | 31,5                  |                                                                  |                                               |                           |                                                               |
| 45 000                   | 12,5              | 25                   | 40                    |                                                                  |                                               |                           |                                                               |
| 50 000                   | 14                | 28                   | 50                    |                                                                  |                                               |                           |                                                               |
| 56 000                   | 16                | 31,5                 | 63                    |                                                                  |                                               |                           |                                                               |