

| Δp (mbar) | Tip Type             |                   | HLB 1614 / DN100 |      |      |      |      |      |      |      |
|-----------|----------------------|-------------------|------------------|------|------|------|------|------|------|------|
|           | rpm                  |                   | 1500             | 1800 | 2200 | 2600 | 3000 | 3600 | 4000 | 4400 |
| 300       | Q                    | m <sup>3</sup> /h | 268              | 336  | 428  | 524  | 616  | 752  | 849  | 941  |
|           | DT                   | °C                | 32               | 31   | 30   | 29   | 28   | 27   | 27   | 27   |
|           | P <sub>k</sub>       | kW                | 3,0              | 3,7  | 4,7  | 5,7  | 6,8  | 8,7  | 10,2 | 11,8 |
|           | P <sub>motor</sub>   | kW                | 4                | 5,5  | 7,5  | 7,5  | 11   | 11   | 15   | 15   |
|           | Lp(A) <sub>w0H</sub> | dB                | 72               | 75   | 79   | 83   | 85   | 89   | 91   | 93   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | <70  | <70  |
| 400       | Q                    | m <sup>3</sup> /h | 257              | 325  | 416  | 507  | 604  | 741  | 838  | 929  |
|           | DT                   | °C                | 45               | 43   | 41   | 39   | 38   | 37   | 37   | 36   |
|           | P <sub>k</sub>       | kW                | 4,0              | 4,8  | 6,1  | 7,4  | 8,7  | 11,1 | 12,7 | 14,6 |
|           | P <sub>motor</sub>   | kW                | 5,5              | 7,5  | 7,5  | 11   | 11   | 15   | 18,5 | 18,5 |
|           | Lp(A) <sub>w0H</sub> | dB                | 73               | 77   | 81   | 84   | 87   | 91   | 93   | 94   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | 71   | 72   |
| 500       | Q                    | m <sup>3</sup> /h | 245              | 314  | 405  | 502  | 593  | 730  | 827  | 918  |
|           | DT                   | °C                | 59               | 55   | 52   | 50   | 49   | 39   | 47   | 47   |
|           | P <sub>k</sub>       | kW                | 4,9              | 6,1  | 7,5  | 9,0  | 10,7 | 13,4 | 15,4 | 17,5 |
|           | P <sub>motor</sub>   | kW                | 7,5              | 7,5  | 11   | 11   | 15   | 18,5 | 18,5 | 22   |
|           | Lp(A) <sub>w0H</sub> | dB                | 75               | 78   | 82   | 86   | 88   | 92   | 94   | 96   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | 72   | 74   |
| 600       | Q                    | m <sup>3</sup> /h | 234              | 302  | 393  | 490  | 581  | 724  | 815  | 906  |
|           | DT                   | °C                | 74               | 69   | 64   | 61   | 59   | 58   | 57   | 56   |
|           | P <sub>k</sub>       | kW                | 6,0              | 7,2  | 8,9  | 10,7 | 12,6 | 15,8 | 18,0 | 20,3 |
|           | P <sub>motor</sub>   | kW                | 7,5              | 11   | 11   | 15   | 15   | 18,5 | 22   | 30   |
|           | Lp(A) <sub>w0H</sub> | dB                | 76               | 80   | 84   | 87   | 90   | 93   | 95   | 97   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | 71   | 73   | 75   |
| 700       | Q                    | m <sup>3</sup> /h | 222              | 291  | 388  | 479  | 570  | 713  | 804  | 901  |
|           | DT                   | °C                | 90               | 83   | 77   | 73   | 71   | 68   | 67   | 66   |
|           | P <sub>k</sub>       | kW                | 6,9              | 8,4  | 10,4 | 12,4 | 14,6 | 18,1 | 20,5 | 23,2 |
|           | P <sub>motor</sub>   | kW                | 11               | 11   | 15   | 15   | 18,5 | 22   | 30   | 30   |
|           | Lp(A) <sub>w0H</sub> | dB                | 77               | 81   | 85   | 88   | 91   | 95   | 97   | 98   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | 73   | 75   | 76   |
| 800       | Q                    | m <sup>3</sup> /h | 217              | 285  | 376  | 473  | 564  | 701  | 798  | 889  |
|           | DT                   | °C                | 107              | 97   | 90   | 85   | 82   | 79   | 77   | 76   |
|           | P <sub>k</sub>       | kW                | 7,9              | 9,5  | 11,8 | 15,0 | 16,5 | 20,4 | 23,1 | 25,9 |
|           | P <sub>motor</sub>   | kW                | 11               | 15   | 15   | 18,5 | 22   | 30   | 30   | 37   |
|           | Lp(A) <sub>w0H</sub> | dB                | 79               | 82   | 86   | 89   | 92   | 99,6 | 98   | 100  |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | 70   | 74   | 76   | 78   |
| 900       | Q                    | m <sup>3</sup> /h |                  |      | 371  | 462  | 553  | 695  | 787  | 884  |
|           | DT                   | °C                |                  |      | 103  | 97   | 93   | 90   | 88   | 86   |
|           | P <sub>k</sub>       | kW                |                  |      | 13,2 | 15,8 | 18,4 | 22,7 | 25,7 | 28,8 |
|           | P <sub>motor</sub>   | kW                |                  |      | 18,5 | 22   | 22   | 30   | 37   | 37   |
|           | Lp(A) <sub>w0H</sub> | dB                |                  |      | 87   | 90   | 93   | 97   | 99   | 101  |
|           | Lp(A) <sub>H</sub>   | dB                |                  |      | <70  | <70  | 71   | 75   | 77   | 79   |
| 1000      | Q                    | m <sup>3</sup> /h |                  |      |      | 456  | 547  | 690  | 781  | 872  |
|           | DT                   | °C                |                  |      |      | 110  | 105  | 101  | 98   | 97   |
|           | P <sub>k</sub>       | kW                |                  |      |      | 17,5 | 20,4 | 25,0 | 28,3 | 31,6 |
|           | P <sub>motor</sub>   | kW                |                  |      |      | 22   | 30   | 30   | 37   | 37   |
|           | Lp(A) <sub>w0H</sub> | dB                |                  |      |      | 92   | 94   | 98   | 100  | 102  |
|           | Lp(A) <sub>H</sub>   | dB                |                  |      |      | <70  | 72   | 76   | 78   | 80   |

| Ap (mbar) | Tip Type             |                   | HLB 1614 / DN100 |      |      |      |      |      |      |      |
|-----------|----------------------|-------------------|------------------|------|------|------|------|------|------|------|
|           |                      | rpm               | 1500             | 1800 | 2200 | 2600 | 3000 | 3600 | 4000 | 4400 |
| 200       | Q                    | m <sup>3</sup> /h | 274              | 342  | 433  | 530  | 621  | 758  | 855  | 946  |
|           | DT                   | °C                | 26               | 25   | 24   | 24   | 23   | 23   | 22   | 22   |
|           | P <sub>k</sub>       | kW                | 2,1              | 2,6  | 3,2  | 4,0  | 4,9  | 6,5  | 7,6  | 8,9  |
|           | P <sub>motor</sub>   | kW                | 3                | 4    | 4    | 5,5  | 7,5  | 11   | 11   | 11   |
|           | Lp(A) <sub>WdH</sub> | dB                | 71               | 75   | 79   | 82   | 85   | 88   | 90   | 92   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | <70  | <70  |
| 250       | Q                    | m <sup>3</sup> /h | 262              | 331  | 422  | 519  | 610  | 747  | 844  | 935  |
|           | DT                   | °C                | 36               | 35   | 33   | 32   | 31   | 31   | 30   | 30   |
|           | P <sub>k</sub>       | kW                | 2,6              | 3,1  | 4,0  | 4,8  | 5,9  | 7,6  | 8,8  | 10,4 |
|           | P <sub>motor</sub>   | kW                | 4                | 4    | 5,5  | 7,5  | 7,5  | 11   | 11   | 15   |
|           | Lp(A) <sub>WdH</sub> | dB                | 72               | 76   | 80   | 83   | 86   | 89   | 92   | 93   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | <70  | <70  |
| 300       | Q                    | m <sup>3</sup> /h | 251              | 319  | 410  | 507  | 599  | 735  | 832  | 923  |
|           | DT                   | °C                | 49               | 46   | 44   | 42   | 41   | 40   | 39   | 39   |
|           | P <sub>k</sub>       | kW                | 3,0              | 3,7  | 4,4  | 5,7  | 6,8  | 8,7  | 10,2 | 11,8 |
|           | P <sub>motor</sub>   | kW                | 4                | 5,5  | 5,5  | 7,5  | 11   | 11   | 15   | 15   |
|           | Lp(A) <sub>WdH</sub> | dB                | 74               | 77   | 81   | 85   | 87   | 91   | 93   | 95   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | <70  | <70  |
| 350       | Q                    | m <sup>3</sup> /h | 239              | 308  | 399  | 496  | 587  | 724  | 821  | 912  |
|           | DT                   | °C                | 64               | 60   | 56   | 54   | 52   | 51   | 50   | 50   |
|           | P <sub>k</sub>       | kW                | 3,5              | 4,3  | 5,3  | 6,6  | 7,8  | 9,9  | 11,5 | 13,2 |
|           | P <sub>motor</sub>   | kW                | 5,5              | 5,5  | 7,5  | 11   | 11   | 15   | 15   | 18,5 |
|           | Lp(A) <sub>WdH</sub> | dB                | 75               | 79   | 83   | 86   | 89   | 92   | 94   | 96   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | <70  | <70  |
| 400       | Q                    | m <sup>3</sup> /h | 228              | 296  | 388  | 479  | 576  | 713  | 804  | 901  |
|           | DT                   | °C                | 84               | 77   | 72   | 68   | 66   | 64   | 63   | 62   |
|           | P <sub>k</sub>       | kW                | 4,0              | 4,8  | 6,1  | 7,4  | 8,7  | 11,0 | 12,7 | 14,5 |
|           | P <sub>motor</sub>   | kW                | 5,5              | 7,5  | 7,5  | 11   | 11   | 15   | 15   | 18,5 |
|           | Lp(A) <sub>WdH</sub> | dB                | 77               | 81   | 84   | 88   | 90   | 94   | 96   | 98   |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | <70  | <70  |
| 450       | Q                    | m <sup>3</sup> /h | 211              | 285  | 376  | 467  | 559  | 701  | 792  | 884  |
|           | DT                   | °C                | 109              | 99   | 91   | 86   | 83   | 80   | 78   | 77   |
|           | P <sub>k</sub>       | kW                | 4,5              | 5,4  | 6,7  | 8,2  | 9,7  | 12,3 | 14,1 | 16,0 |
|           | P <sub>motor</sub>   | kW                | 5,5              | 7,5  | 11   | 11   | 15   | 15   | 18,5 | 22   |
|           | Lp(A) <sub>WdH</sub> | dB                | 79               | 82   | 86   | 89   | 92   | 96   | 98   | 100  |
|           | Lp(A) <sub>H</sub>   | dB                | <70              | <70  | <70  | <70  | <70  | <70  | <70  | <70  |
| 500       | Q                    | m <sup>3</sup> /h |                  |      |      | 456  | 547  | 684  | 781  | 872  |
|           | DT                   | °C                |                  |      |      | 108  | 104  | 99   | 97   | 96   |
|           | P <sub>k</sub>       | kW                |                  |      |      | 9,0  | 10,7 | 13,4 | 15,3 | 17,4 |
|           | P <sub>motor</sub>   | kW                |                  |      |      | 11   | 15   | 18,5 | 18,5 | 22   |
|           | Lp(A) <sub>WdH</sub> | dB                |                  |      |      | 91   | 94   | 98   | 100  | 102  |
|           | Lp(A) <sub>H</sub>   | dB                |                  |      |      | <70  | 72   | 76   | 78   | 80   |

rpm : Blower Speed

Q [m<sup>3</sup>/h] : Air Intake Capacity

DT [°C] : Temperature Differential

P<sub>k</sub> [kW] : Shaft PowerP<sub>motor</sub> [kW] : Advised Motor PowerLp(A)<sub>WdH</sub> [dB] : Noise Pressure Level For Blower Unit Without Acoustic HoodLp(A)<sub>H</sub> [dB] : Noise Pressure Level For Blower Unit With Acoustic Hood

The sound pressure levels (Lp(A)) are based on measurements taken outdoors at a distance of 1m from the machine (tolerance of ± 3 dB) with sound insulated pipes.

Reference Conditions: Inlet Pressure: 1.013 bar(a)

Inlet Temperature: 20 °C

Dry Air - 12 kg/m<sup>3</sup>

Performance data are non-binding examples only.

rpm : Blower Devri

Q [m<sup>3</sup>/h] : Hava Debisi

DT [°C] : Hava Sıcaklık Farkı

P<sub>k</sub> [kW] : Blower Güç TüketimiP<sub>motor</sub> [kW] : Önerilen Motor GücüLp(A)<sub>WdH</sub> [dB] : Akustik Kabinsiz Gürültü SeviyesiLp(A)<sub>H</sub> [dB] : Akustik Kabin ile Gürültü Seviyesi

Gürültü seviyeleri (Lp(A)) açık ortamda, blower setinden 1m mesafeden, yalıtımlı borular kullanılırken (± 3 dB tolerans ile) ölçülmüştür.

Referans Koşullar: Giriş Basıncı: 1.013 bar(a)

Giriş Sıcaklığı: 20 °C

Kuru Hava - 12 kg/m<sup>3</sup>

Sunulan performans verileri bağlayıcı olmayan örneklerdir.