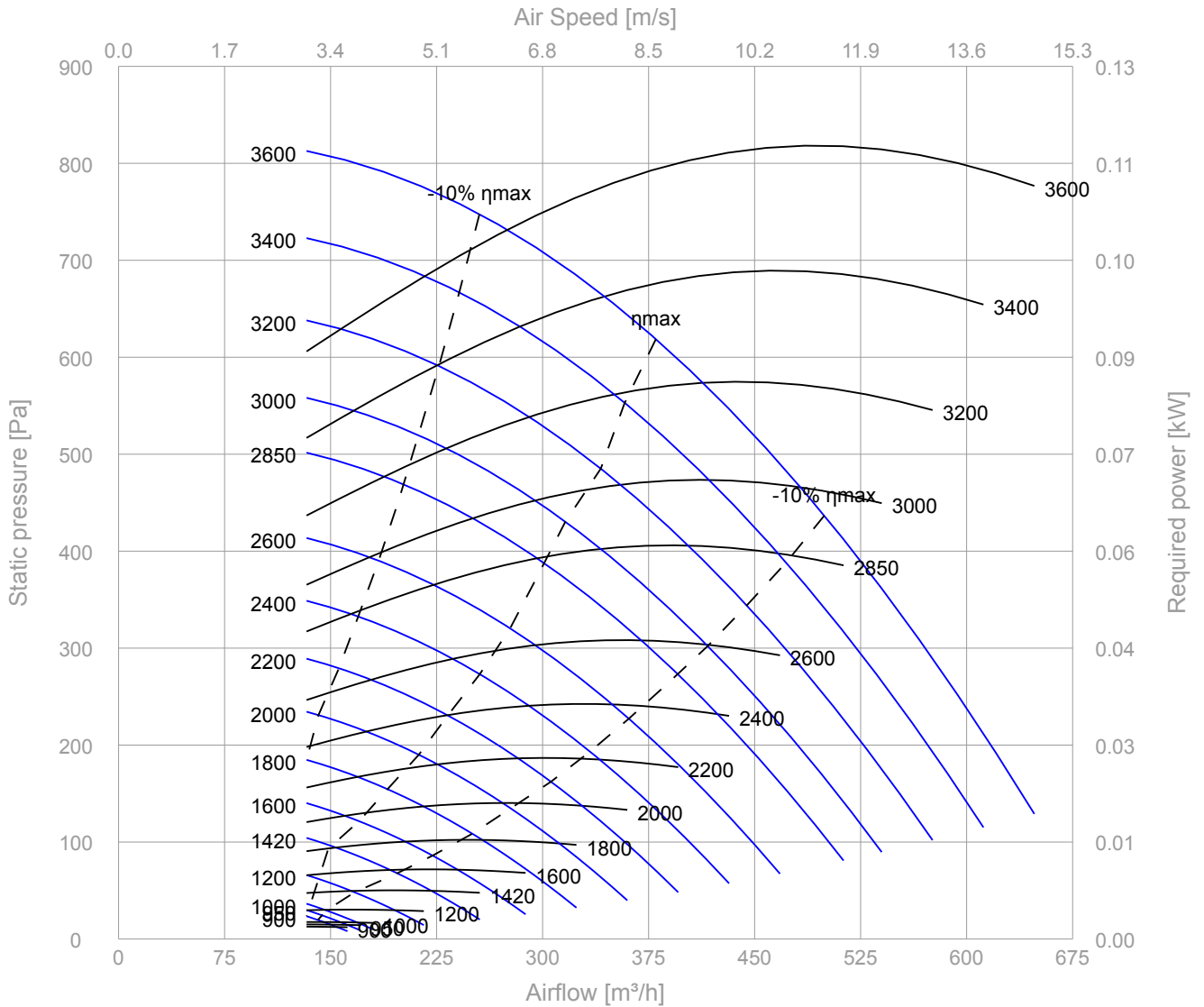




# Characteristic curves

# CMVpro 125

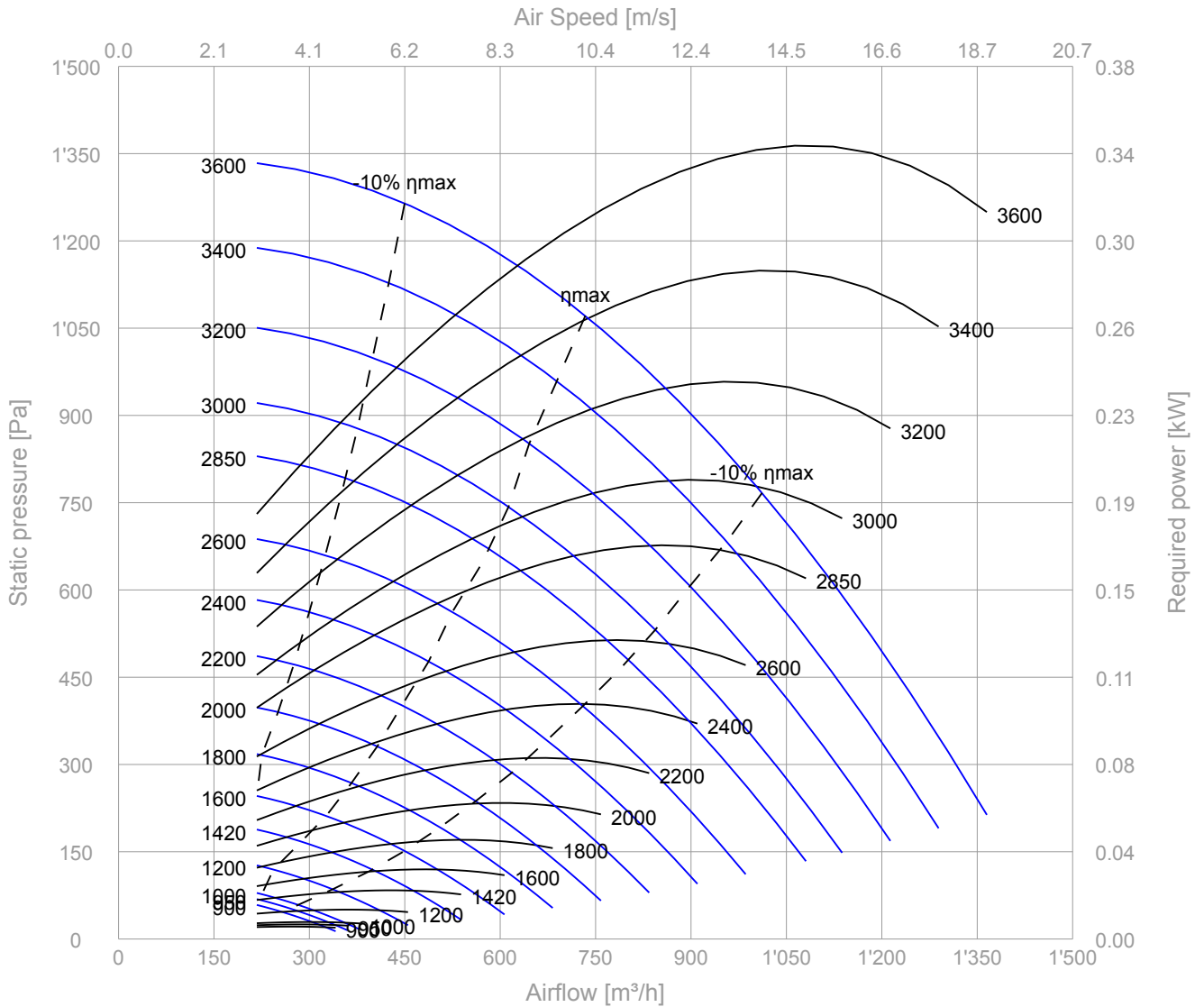


| n<br>min <sup>-1</sup> | LwA<br>dB(A) | Sound power level LpA = LwA - 7 dB(A) |     |     |     |      |      |      |      |
|------------------------|--------------|---------------------------------------|-----|-----|-----|------|------|------|------|
|                        |              | 63                                    | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 3600                   | 68           | 29                                    | 38  | 49  | 57  | 61   | 62   | 64   | 49   |
| 3400                   | 66           | 27                                    | 36  | 47  | 55  | 59   | 60   | 62   | 47   |
| 3200                   | 65           | 26                                    | 35  | 46  | 54  | 58   | 59   | 61   | 46   |
| 3000                   | 64           | 25                                    | 34  | 45  | 53  | 57   | 58   | 60   | 45   |
| 2850                   | 62           | 23                                    | 32  | 43  | 51  | 55   | 56   | 58   | 43   |
| 2600                   | 60           | 21                                    | 30  | 41  | 49  | 53   | 54   | 56   | 41   |
| 2400                   | 59           | 20                                    | 29  | 40  | 48  | 52   | 53   | 55   | 40   |
| 2200                   | 57           | 18                                    | 27  | 38  | 46  | 50   | 51   | 53   | 38   |
| 2000                   | 55           | 16                                    | 25  | 36  | 44  | 48   | 49   | 51   | 36   |
| 1800                   | 52           | 13                                    | 22  | 33  | 41  | 45   | 46   | 48   | 33   |
| 1600                   | 50           | 11                                    | 20  | 31  | 39  | 43   | 44   | 46   | 31   |
| 1420                   | 47           | 8                                     | 17  | 28  | 36  | 40   | 41   | 43   | 28   |
| 1200                   | 44           | 5                                     | 14  | 25  | 33  | 37   | 38   | 40   | 25   |
| 1000                   | 40           | 1                                     | 10  | 21  | 29  | 33   | 34   | 36   | 21   |
| 950                    | 39           | 0                                     | 9   | 20  | 28  | 32   | 33   | 35   | 20   |
| 900                    | 37           | 0                                     | 7   | 18  | 26  | 30   | 31   | 33   | 18   |



# Characteristic curves

# CMVpro 160

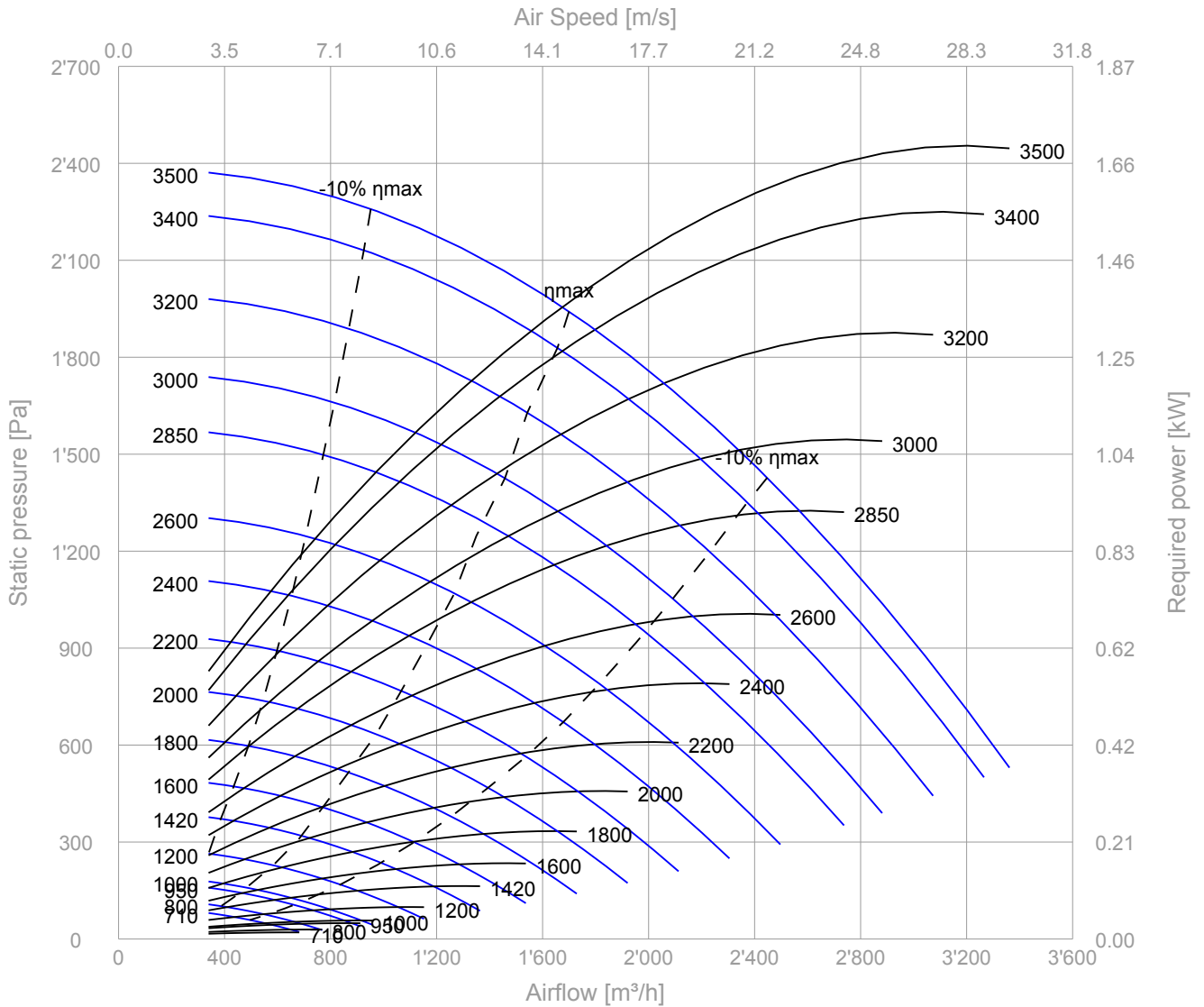


| n<br>min <sup>-1</sup> | LwA<br>dB(A) | Sound power level LpA = LwA - 7 dB(A) |     |     |     |      |      |      |      |
|------------------------|--------------|---------------------------------------|-----|-----|-----|------|------|------|------|
|                        |              | 63                                    | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 3600                   | 73           | 39                                    | 38  | 53  | 59  | 70   | 68   | 65   | 54   |
| 3400                   | 71           | 37                                    | 36  | 51  | 57  | 68   | 66   | 63   | 52   |
| 3200                   | 70           | 36                                    | 35  | 50  | 56  | 67   | 65   | 62   | 51   |
| 3000                   | 69           | 35                                    | 34  | 49  | 55  | 66   | 64   | 61   | 50   |
| 2850                   | 67           | 33                                    | 32  | 47  | 53  | 64   | 62   | 59   | 48   |
| 2600                   | 65           | 31                                    | 30  | 45  | 51  | 62   | 60   | 57   | 46   |
| 2400                   | 64           | 30                                    | 29  | 44  | 50  | 61   | 59   | 56   | 45   |
| 2200                   | 62           | 28                                    | 27  | 42  | 48  | 59   | 57   | 54   | 43   |
| 2000                   | 60           | 26                                    | 25  | 40  | 46  | 57   | 55   | 52   | 41   |
| 1800                   | 57           | 23                                    | 22  | 37  | 43  | 54   | 52   | 49   | 38   |
| 1600                   | 55           | 21                                    | 20  | 35  | 41  | 52   | 50   | 47   | 36   |
| 1420                   | 52           | 18                                    | 17  | 32  | 38  | 49   | 47   | 44   | 33   |
| 1200                   | 49           | 15                                    | 14  | 29  | 35  | 46   | 44   | 41   | 30   |
| 1000                   | 45           | 11                                    | 10  | 25  | 31  | 42   | 40   | 37   | 26   |
| 950                    | 44           | 10                                    | 9   | 24  | 30  | 41   | 39   | 36   | 25   |
| 900                    | 42           | 8                                     | 7   | 22  | 28  | 39   | 37   | 34   | 23   |



# Characteristic curves

# CMVpro 200

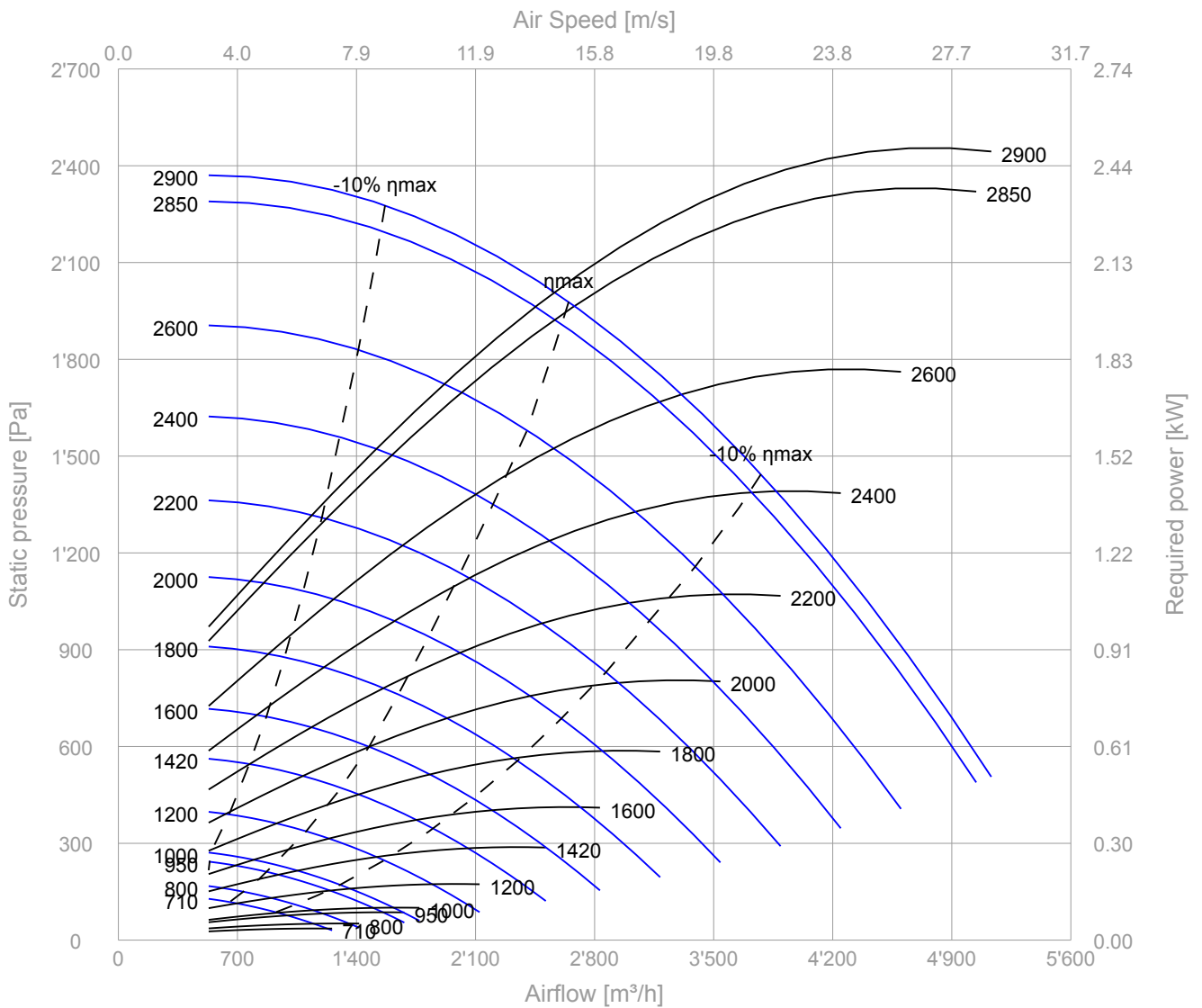


| n                 | Sound niveau level LwA dB(A) |     | Sound power level LpA = LwA - 7 dB(A) |     |     |      |      |      |      | Dist. 1 m |
|-------------------|------------------------------|-----|---------------------------------------|-----|-----|------|------|------|------|-----------|
|                   | ISO 5136.2                   | LwA | Hz                                    |     |     |      |      |      |      |           |
| min <sup>-1</sup> | dB(A)                        | 63  | 125                                   | 250 | 500 | 1000 | 2000 | 4000 | 8000 |           |
| 3500              | 78                           | 35  | 50                                    | 61  | 70  | 75   | 73   | 66   | 56   |           |
| 3400              | 77                           | 34  | 49                                    | 60  | 69  | 74   | 72   | 65   | 55   |           |
| 3200              | 76                           | 33  | 48                                    | 59  | 68  | 73   | 71   | 64   | 54   |           |
| 3000              | 75                           | 32  | 47                                    | 58  | 67  | 72   | 70   | 63   | 53   |           |
| 2850              | 73                           | 30  | 45                                    | 56  | 65  | 70   | 68   | 61   | 51   |           |
| 2600              | 71                           | 28  | 43                                    | 54  | 63  | 68   | 66   | 59   | 49   |           |
| 2400              | 70                           | 27  | 42                                    | 53  | 62  | 67   | 65   | 58   | 48   |           |
| 2200              | 68                           | 25  | 40                                    | 51  | 60  | 65   | 63   | 56   | 46   |           |
| 2000              | 66                           | 23  | 38                                    | 49  | 58  | 63   | 61   | 54   | 44   |           |
| 1800              | 63                           | 20  | 35                                    | 46  | 55  | 60   | 58   | 51   | 41   |           |
| 1600              | 61                           | 18  | 33                                    | 44  | 53  | 58   | 56   | 49   | 39   |           |
| 1420              | 58                           | 15  | 30                                    | 41  | 50  | 55   | 53   | 46   | 36   |           |
| 1200              | 55                           | 12  | 27                                    | 38  | 47  | 52   | 50   | 43   | 33   |           |
| 1000              | 51                           | 8   | 23                                    | 34  | 43  | 48   | 46   | 39   | 29   |           |
| 950               | 50                           | 7   | 22                                    | 33  | 42  | 47   | 45   | 38   | 28   |           |
| 800               | 46                           | 3   | 18                                    | 29  | 38  | 43   | 41   | 34   | 24   |           |
| 710               | 43                           | 0   | 15                                    | 26  | 35  | 40   | 38   | 31   | 21   |           |



# Characteristic curves

# CMVpro 250

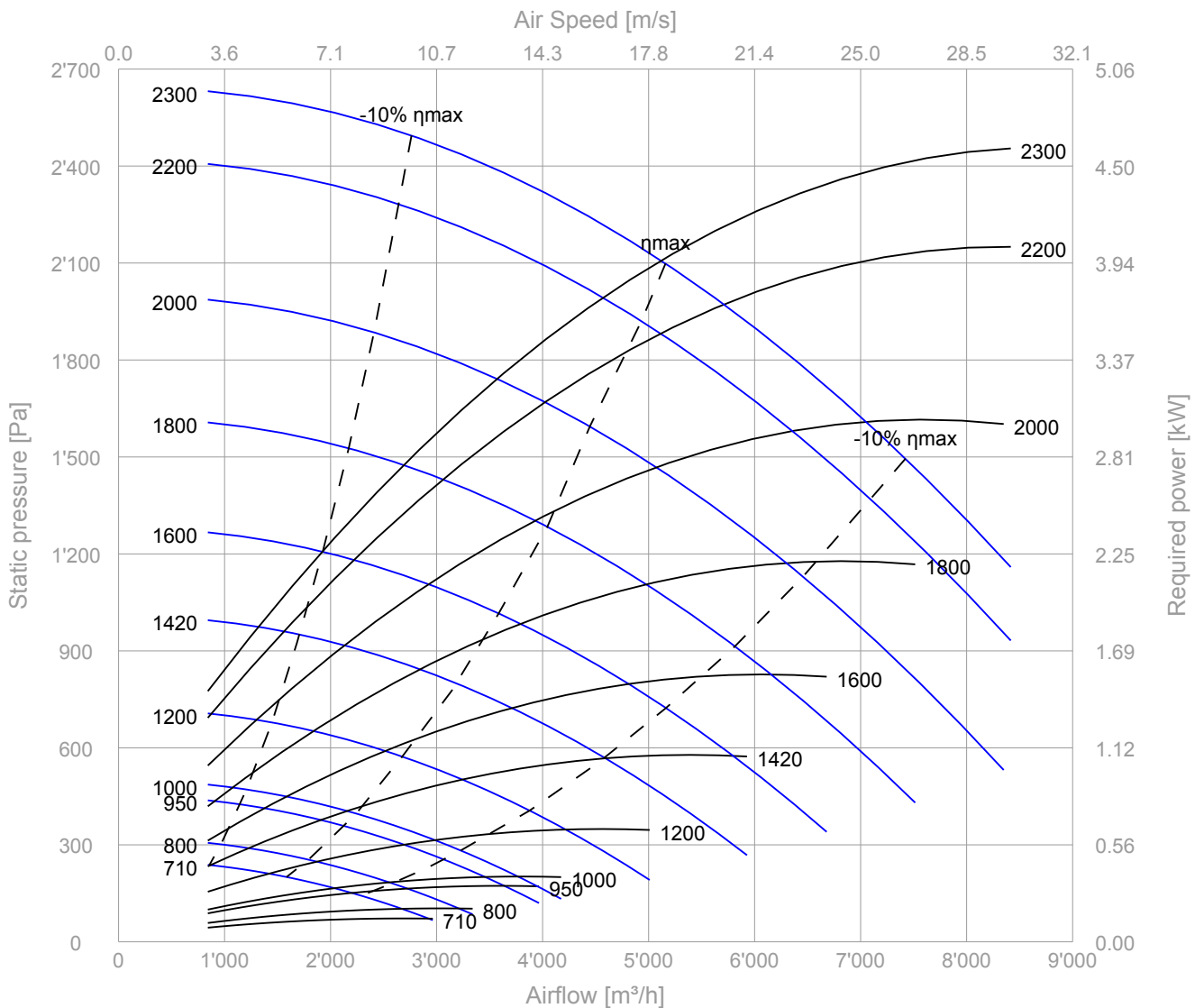


| n<br>min <sup>-1</sup> | Sound niveau level LwA dB(A) |            | Sound power level LpA = LwA - 7 dB(A) |     |     |     |      |      |      | Dist. 1 m |
|------------------------|------------------------------|------------|---------------------------------------|-----|-----|-----|------|------|------|-----------|
|                        | LwA<br>dB(A)                 | ISO 5136.2 | 63                                    | 125 | 250 | 500 | 1000 | 2000 | 4000 |           |
| 2900                   | 86                           |            | 49                                    | 61  | 68  | 76  | 83   | 80   | 70   | 58        |
| 2850                   | 85                           |            | 48                                    | 60  | 67  | 75  | 82   | 79   | 69   | 57        |
| 2600                   | 83                           |            | 46                                    | 58  | 65  | 73  | 80   | 77   | 67   | 55        |
| 2400                   | 82                           |            | 45                                    | 57  | 64  | 72  | 79   | 76   | 66   | 54        |
| 2200                   | 80                           |            | 43                                    | 55  | 62  | 70  | 77   | 74   | 64   | 52        |
| 2000                   | 78                           |            | 41                                    | 53  | 60  | 68  | 75   | 72   | 62   | 50        |
| 1800                   | 75                           |            | 38                                    | 50  | 57  | 65  | 72   | 69   | 59   | 47        |
| 1600                   | 73                           |            | 36                                    | 48  | 55  | 63  | 70   | 67   | 57   | 45        |
| 1420                   | 70                           |            | 33                                    | 45  | 52  | 60  | 67   | 64   | 54   | 42        |
| 1200                   | 67                           |            | 30                                    | 42  | 49  | 57  | 64   | 61   | 51   | 39        |
| 1000                   | 63                           |            | 26                                    | 38  | 45  | 53  | 60   | 57   | 47   | 35        |
| 950                    | 62                           |            | 25                                    | 37  | 44  | 52  | 59   | 56   | 46   | 34        |
| 800                    | 58                           |            | 21                                    | 33  | 40  | 48  | 55   | 52   | 42   | 30        |
| 710                    | 55                           |            | 18                                    | 30  | 37  | 45  | 52   | 49   | 39   | 27        |



# Characteristic curves

# CMVpro 315

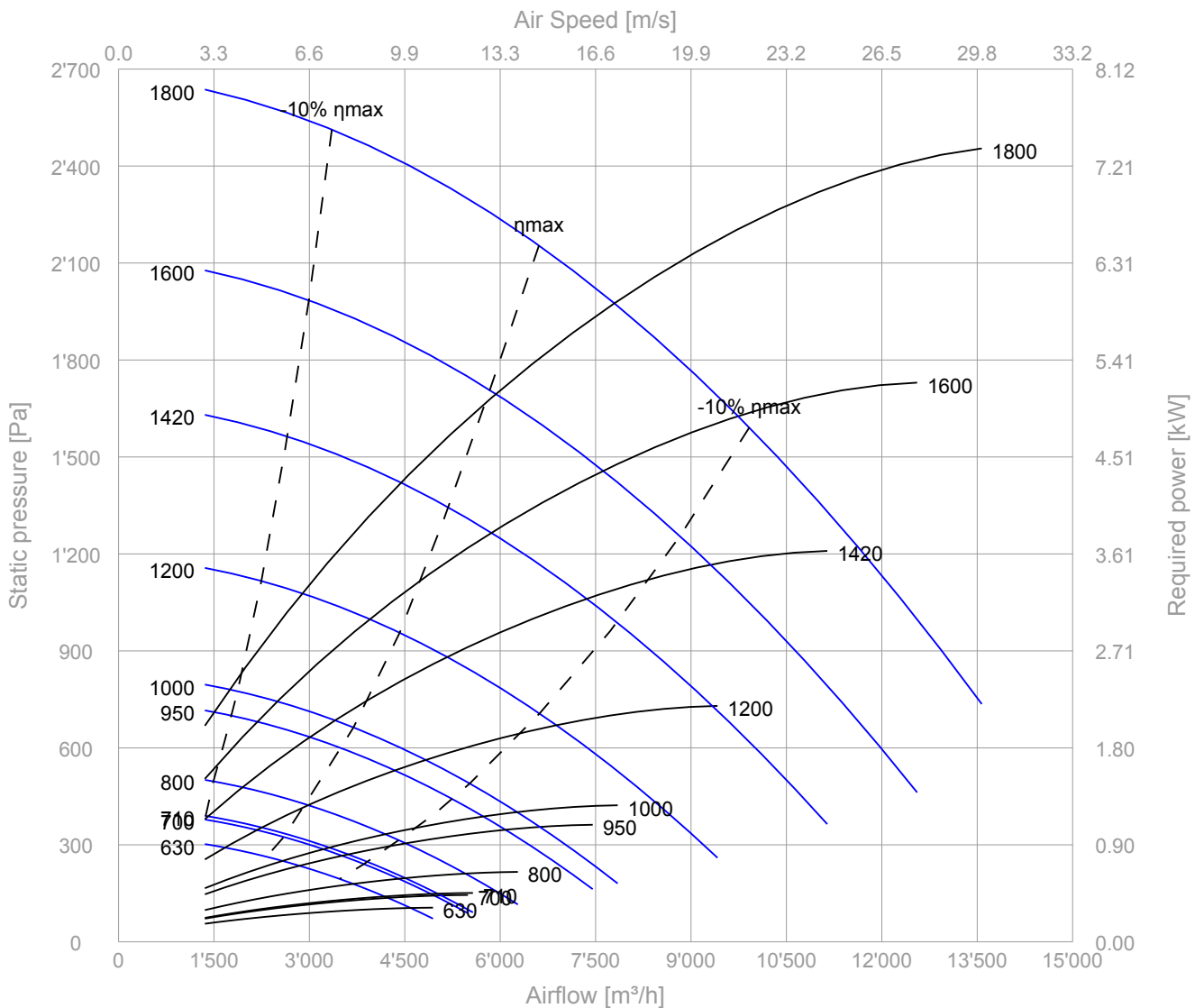


| n                 | Sound niveau level LwA dB(A) |     | Sound power level LpA = LwA - 7 dB(A) |     |     |      |      |      |      | Dist. 1 m |
|-------------------|------------------------------|-----|---------------------------------------|-----|-----|------|------|------|------|-----------|
|                   | ISO 5136.2                   | LwA | Hz                                    |     |     |      |      |      |      |           |
| min <sup>-1</sup> | dB(A)                        | 63  | 125                                   | 250 | 500 | 1000 | 2000 | 4000 | 8000 |           |
| 2300              | 81                           | 59  | 62                                    | 70  | 73  | 80   | 69   | 63   | 59   |           |
| 2200              | 80                           | 58  | 61                                    | 69  | 72  | 79   | 68   | 62   | 58   |           |
| 2000              | 78                           | 56  | 59                                    | 67  | 70  | 77   | 66   | 60   | 56   |           |
| 1800              | 75                           | 53  | 56                                    | 64  | 67  | 74   | 63   | 57   | 53   |           |
| 1600              | 73                           | 51  | 54                                    | 62  | 65  | 72   | 61   | 55   | 51   |           |
| 1420              | 70                           | 48  | 51                                    | 59  | 62  | 69   | 58   | 52   | 48   |           |
| 1200              | 67                           | 45  | 48                                    | 56  | 59  | 66   | 55   | 49   | 45   |           |
| 1000              | 63                           | 41  | 44                                    | 52  | 55  | 62   | 51   | 45   | 41   |           |
| 950               | 62                           | 40  | 43                                    | 51  | 54  | 61   | 50   | 44   | 40   |           |
| 800               | 58                           | 36  | 39                                    | 47  | 50  | 57   | 46   | 40   | 36   |           |
| 710               | 55                           | 33  | 36                                    | 44  | 47  | 54   | 43   | 37   | 33   |           |



# Characteristic curves

# CMVpro 400



| n    | Sound niveau level LwA dB(A) |            | Sound power level LpA = LwA - 7 dB(A) |     |     |     |      |      |      | Dist. 1 m |
|------|------------------------------|------------|---------------------------------------|-----|-----|-----|------|------|------|-----------|
|      | LwA                          | ISO 5136.2 | 63                                    | 125 | 250 | 500 | 1000 | 2000 | 4000 |           |
| 1800 | 78                           | 54         | 58                                    | 68  | 74  | 74  | 68   | 68   | 60   |           |
| 1600 | 76                           | 52         | 56                                    | 66  | 72  | 72  | 66   | 66   | 58   |           |
| 1420 | 73                           | 49         | 53                                    | 63  | 69  | 69  | 63   | 63   | 55   |           |
| 1200 | 70                           | 46         | 50                                    | 60  | 66  | 66  | 60   | 60   | 52   |           |
| 1000 | 66                           | 42         | 46                                    | 56  | 62  | 62  | 56   | 56   | 48   |           |
| 950  | 65                           | 41         | 45                                    | 55  | 61  | 61  | 55   | 55   | 47   |           |
| 800  | 61                           | 37         | 41                                    | 51  | 57  | 57  | 51   | 51   | 43   |           |
| 710  | 58                           | 34         | 38                                    | 48  | 54  | 54  | 48   | 48   | 40   |           |
| 700  | 58                           | 34         | 38                                    | 48  | 54  | 54  | 48   | 48   | 40   |           |
| 630  | 56                           | 32         | 36                                    | 46  | 52  | 52  | 46   | 46   | 38   |           |