



Der Konstantvolumenstromregler Typ RCQK erfüllt die Norm EN 12237 und hat die Bescheinigung als Klasse "C" durch die Dichtheitsprüfungen erhalten.

### Beschreibung

Der HTH Konstantvolumenstromregler RCQK reguliert die Zu- und Abluft in eckigen Luftleitungen. Ohne externe Stromversorgung arbeitet der RCQK mechanisch selbstständig.

Der Einlassluftstrom übt eine Kraft aus, die entgegen die Kurvenscheibenwirkung wirkt und diese ausgleicht, wobei die Kurvenscheibe das Klappenblatt in einen bestimmten Winkel positioniert, damit der eingestellte Luftvolumenstrom innerhalb eines engen Toleranzbereichs sichergestellt werden kann.

### Vorteile

- Größen nach ISO-Norm
- Luftdichtheit Klasse C
- Keine externe Stromversorgung notwendig

### Material:

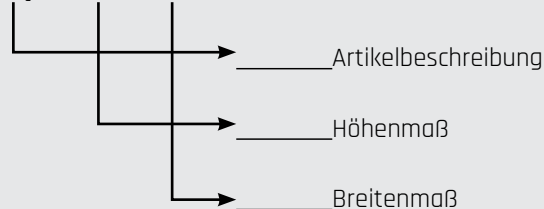
verzinktes Stahlblech

### Optionale Ausführungen:

- Schalldämmung (RCQK-D)
- Weitere Abmessungen aus Anfrage

### Variantencode

**RCQK/300/200**



### Abmessungen

| Höhe/Breite | 100 | 150 | 200 | 250 | 300 | 400 | 500 | 600 |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 200         | X   |     |     |     |     |     |     |     |
| 300         | X   | X   | X   |     |     |     |     |     |
| 400         |     |     | X   | X   | X   | X   |     |     |
| 500         |     |     | X   | X   | X   | X   | X   |     |
| 600         |     |     | X   | X   | X   | X   | X   | X   |

Höhe und Breite in mm

**Jetzt im Shop bestellen**

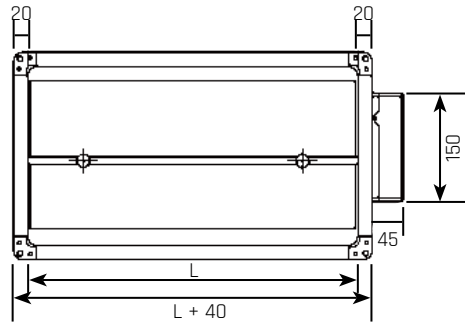
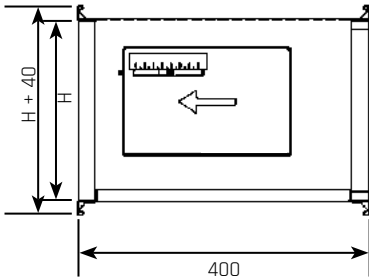


### Abmessungen

Die RCQK-Volumenstromregler sind zur Anpassung an standardisierte, rechteckige Kanäle angepasst. Anschluss über 20 mm-Flansch mit vier Bohrungen an den Ecken.

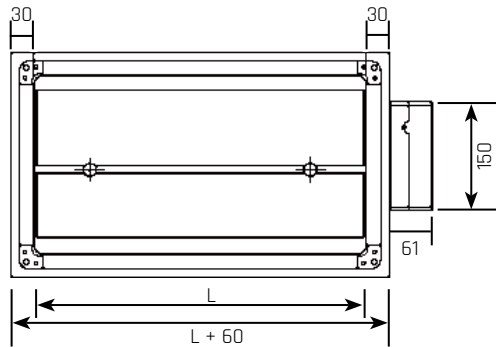
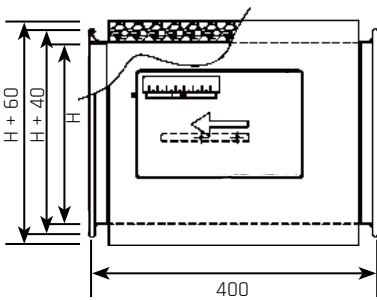
#### RCQK

ohne Dämmung



#### RCQK-D

mit Dämmung



### Auswahltabellen

Tabelle A.1 (Geräusentwicklung) und Tabelle A.2 (Geräuschabstrahlung)

Diese Tabellen beinhalten für alle Größen, verschiedene Volumenströme und statische Drücke am Einlass des Volumenstromreglers folgende Werte:

**L<sub>A</sub> in dB (A).** Schalldruckpegel im Raum in dB(A) infolgedes im Volumenstromregler erzeugten Geräusches. Eine Dämpfung des Kanals, des Luftaustlasses und die eigene Dämpfung des Raums von 8 dB/Oktave ist berücksichtigt worden.

**L<sub>A</sub> in NR.** Die Schalldruckpegel im Raum in NR (Werte der dem Schallspektrum entsprechenden Kurve) unter denselben Bedingungen wie zur Ermittlung von L<sub>A</sub> in dB (A) beschrieben.

**L<sub>A</sub> in NC.** Schalldruckpegel im Raum in NC (Wert der dem Schallspektrum entsprechenden NC-Kurve), unter denselben Bedingungen wie für die Ermittlung von L<sub>A</sub> in dB(A) beschrieben.

Tabelle 6 (Spektrum der Geräusentwicklung)

Diese Tabelle beinhaltet für jede Größe, verschiedene Volumenströme und statische Drücke am Einlass des Volumenstromreglers folgende Werte:

**L<sub>w</sub>** Spektrum des Schalleistungspegels in dB/Oktave infolge des vom Volumenstromreglers ohne Dämmung erzeugten Geräusches.

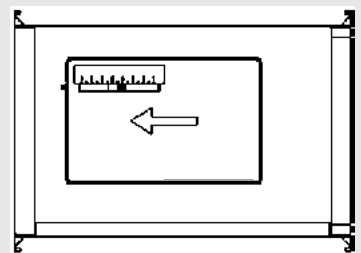
Tabelle 8 (Spektrum der Geräuschabstrahlung)

Diese Tabelle beinhaltet für jede Größe, verschiedene Volumenströme und statische Drücke am Einlass des Volumenstromreglers folgende Werte:

**L<sub>w</sub>** Spektrum des Schalleistungspegels in dB/Oktave infolge des vom Volumenstromreglers ohne Dämmung erzeugten Geräusches.

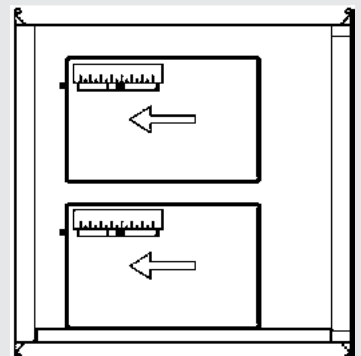
### Ausführung Typ 1

| L   | x | H   |
|-----|---|-----|
| 200 | x | 100 |
| 200 | x | 200 |
| 300 | x | 100 |
| 300 | x | 150 |
| 300 | x | 200 |
| 400 | x | 200 |
| 400 | x | 250 |
| 400 | x | 300 |
| 500 | x | 200 |
| 500 | x | 250 |
| 500 | x | 300 |
| 600 | x | 200 |
| 600 | x | 250 |
| 600 | x | 300 |



### Ausführung Typ 2

| L   | x | H   |
|-----|---|-----|
| 400 | x | 400 |
| 500 | x | 400 |
| 500 | x | 500 |
| 600 | x | 400 |
| 600 | x | 500 |
| 600 | x | 600 |





### Tabelle A.1

| RCQK      | Geräuschentwicklung |          | $\Delta p = 100 \text{ Pa}$ |                      |                      | $\Delta p = 250 \text{ Pa}$ |                      |                      | $\Delta p = 500 \text{ Pa}$ |                      |                      | $\Delta p = 750 \text{ Pa}$ |                      |                      | $\Delta p = 1000 \text{ Pa}$ |                      |                      |
|-----------|---------------------|----------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|
|           | Q [l/s]             | Q [m³/h] | L <sub>A</sub> in dB(A)     | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in dB(A)     | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in dB(A)     | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in dB(A)     | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in dB(A)      | L <sub>A</sub> in NR | L <sub>A</sub> in NC |
| 200 x 100 | 47                  | 170      | 29                          | 26                   | 24                   | 38                          | 36                   | 33                   | 45                          | 42                   | 40                   | 49                          | 46                   | 44                   | 52                           | 49                   | 47                   |
|           | 76                  | 275      | 33                          | 30                   | 28                   | 42                          | 39                   | 37                   | 49                          | 46                   | 44                   | 53                          | 50                   | 48                   | 56                           | 53                   | 51                   |
|           | 106                 | 385      | 35                          | 33                   | 31                   | 44                          | 42                   | 40                   | 51                          | 49                   | 47                   | 55                          | 53                   | 51                   | 58                           | 55                   | 53                   |
|           | 137                 | 495      | 37                          | 35                   | 33                   | 46                          | 44                   | 42                   | 53                          | 51                   | 48                   | 57                          | 55                   | 52                   | 60                           | 57                   | 55                   |
|           | 166                 | 600      | 39                          | 36                   | 34                   | 48                          | 45                   | 43                   | 55                          | 52                   | 50                   | 59                          | 56                   | 54                   | 62                           | 59                   | 57                   |
| 300 x 100 | 72                  | 260      | 32                          | 30                   | 28                   | 41                          | 39                   | 37                   | 48                          | 46                   | 44                   | 52                          | 50                   | 48                   | 55                           | 52                   | 50                   |
|           | 116                 | 420      | 36                          | 33                   | 31                   | 45                          | 42                   | 40                   | 52                          | 49                   | 47                   | 56                          | 53                   | 51                   | 59                           | 56                   | 54                   |
|           | 161                 | 580      | 39                          | 36                   | 34                   | 48                          | 45                   | 43                   | 54                          | 52                   | 50                   | 58                          | 56                   | 54                   | 61                           | 59                   | 57                   |
|           | 205                 | 740      | 40                          | 38                   | 36                   | 49                          | 47                   | 45                   | 56                          | 54                   | 52                   | 60                          | 58                   | 56                   | 63                           | 60                   | 58                   |
|           | 250                 | 900      | 42                          | 39                   | 37                   | 51                          | 48                   | 46                   | 58                          | 55                   | 53                   | 62                          | 59                   | 57                   | 65                           | 62                   | 60                   |
| 300 x 150 | 104                 | 375      | 35                          | 33                   | 30                   | 44                          | 42                   | 39                   | 51                          | 48                   | 46                   | 55                          | 52                   | 50                   | 58                           | 55                   | 53                   |
|           | 180                 | 650      | 39                          | 37                   | 35                   | 48                          | 46                   | 44                   | 55                          | 53                   | 51                   | 59                          | 57                   | 55                   | 62                           | 59                   | 57                   |
|           | 256                 | 925      | 42                          | 39                   | 37                   | 51                          | 48                   | 46                   | 58                          | 55                   | 53                   | 62                          | 59                   | 57                   | 65                           | 62                   | 60                   |
|           | 333                 | 1200     | 44                          | 41                   | 39                   | 53                          | 50                   | 48                   | 60                          | 57                   | 55                   | 64                          | 61                   | 59                   | 67                           | 64                   | 62                   |
|           | 409                 | 1475     | 46                          | 43                   | 41                   | 55                          | 52                   | 50                   | 62                          | 59                   | 57                   | 66                          | 63                   | 61                   | 68                           | 66                   | 64                   |
| 300 x 200 | 125                 | 450      | 37                          | 34                   | 32                   | 46                          | 43                   | 41                   | 53                          | 50                   | 48                   | 57                          | 54                   | 52                   | 59                           | 57                   | 55                   |
|           | 222                 | 800      | 41                          | 38                   | 36                   | 50                          | 47                   | 45                   | 57                          | 54                   | 52                   | 61                          | 58                   | 56                   | 64                           | 61                   | 59                   |
|           | 319                 | 1150     | 44                          | 41                   | 39                   | 53                          | 50                   | 48                   | 60                          | 57                   | 55                   | 64                          | 61                   | 59                   | 67                           | 64                   | 62                   |
|           | 416                 | 1500     | 46                          | 43                   | 41                   | 55                          | 52                   | 50                   | 62                          | 59                   | 57                   | 66                          | 63                   | 61                   | 69                           | 66                   | 64                   |
|           | 513                 | 1850     | 47                          | 45                   | 43                   | 56                          | 54                   | 52                   | 63                          | 61                   | 59                   | 67                          | 65                   | 63                   | 70                           | 67                   | 65                   |
| 400 x 200 | 222                 | 800      | 43                          | 40                   | 38                   | 52                          | 49                   | 47                   | 59                          | 56                   | 54                   | 62                          | 60                   | 58                   | 65                           | 62                   | 60                   |
|           | 368                 | 1325     | 45                          | 42                   | 40                   | 54                          | 51                   | 49                   | 60                          | 58                   | 56                   | 64                          | 62                   | 60                   | 67                           | 64                   | 62                   |
|           | 513                 | 1850     | 46                          | 44                   | 41                   | 55                          | 52                   | 50                   | 62                          | 59                   | 57                   | 66                          | 63                   | 61                   | 68                           | 66                   | 64                   |
|           | 659                 | 2375     | 47                          | 45                   | 42                   | 56                          | 53                   | 51                   | 63                          | 60                   | 58                   | 67                          | 64                   | 62                   | 69                           | 67                   | 65                   |
|           | 805                 | 2900     | 48                          | 45                   | 43                   | 57                          | 54                   | 52                   | 64                          | 61                   | 59                   | 67                          | 65                   | 63                   | 70                           | 67                   | 65                   |
| 500 x 200 | 227                 | 820      | 43                          | 40                   | 38                   | 52                          | 49                   | 47                   | 59                          | 56                   | 54                   | 63                          | 60                   | 58                   | 65                           | 63                   | 60                   |
|           | 400                 | 1440     | 45                          | 43                   | 41                   | 54                          | 51                   | 49                   | 61                          | 58                   | 56                   | 65                          | 62                   | 60                   | 67                           | 65                   | 63                   |
|           | 572                 | 2060     | 47                          | 44                   | 42                   | 56                          | 53                   | 51                   | 62                          | 59                   | 57                   | 66                          | 63                   | 61                   | 69                           | 66                   | 64                   |
|           | 744                 | 2680     | 48                          | 45                   | 43                   | 57                          | 54                   | 52                   | 63                          | 61                   | 58                   | 67                          | 64                   | 62                   | 70                           | 67                   | 65                   |
|           | 916                 | 3300     | 49                          | 46                   | 44                   | 57                          | 55                   | 53                   | 64                          | 61                   | 59                   | 68                          | 65                   | 63                   | 71                           | 68                   | 66                   |
| 600 x 200 | 263                 | 950      | 32                          | 29                   | 27                   | 41                          | 39                   | 37                   | 48                          | 46                   | 44                   | 53                          | 50                   | 48                   | 55                           | 53                   | 51                   |
|           | 438                 | 1580     | 38                          | 35                   | 33                   | 47                          | 44                   | 42                   | 54                          | 51                   | 49                   | 58                          | 56                   | 54                   | 61                           | 59                   | 56                   |
|           | 627                 | 2260     | 42                          | 39                   | 37                   | 51                          | 48                   | 46                   | 58                          | 56                   | 53                   | 62                          | 60                   | 58                   | 65                           | 63                   | 60                   |
|           | 816                 | 2940     | 45                          | 42                   | 40                   | 54                          | 51                   | 49                   | 61                          | 58                   | 56                   | 65                          | 63                   | 61                   | 68                           | 66                   | 63                   |
|           | 1027                | 3700     | 47                          | 45                   | 43                   | 57                          | 54                   | 52                   | 64                          | 61                   | 59                   | 68                          | 65                   | 63                   | 71                           | 68                   | 66                   |
| 400 x 250 | 222                 | 800      | 43                          | 40                   | 38                   | 52                          | 49                   | 47                   | 59                          | 56                   | 54                   | 62                          | 60                   | 58                   | 65                           | 62                   | 60                   |
|           | 388                 | 1400     | 45                          | 42                   | 40                   | 54                          | 51                   | 49                   | 61                          | 58                   | 56                   | 65                          | 62                   | 60                   | 67                           | 65                   | 63                   |
|           | 555                 | 2000     | 47                          | 44                   | 42                   | 55                          | 53                   | 51                   | 62                          | 59                   | 57                   | 66                          | 63                   | 61                   | 69                           | 66                   | 64                   |
|           | 722                 | 2600     | 48                          | 45                   | 43                   | 56                          | 54                   | 52                   | 63                          | 60                   | 58                   | 67                          | 64                   | 62                   | 70                           | 67                   | 65                   |
|           | 888                 | 3200     | 48                          | 46                   | 44                   | 57                          | 55                   | 52                   | 64                          | 61                   | 59                   | 68                          | 65                   | 63                   | 71                           | 68                   | 66                   |
| 500 x 250 | 305                 | 1100     | 36                          | 33                   | 31                   | 45                          | 42                   | 40                   | 52                          | 49                   | 47                   | 56                          | 54                   | 51                   | 59                           | 57                   | 54                   |
|           | 527                 | 1900     | 42                          | 39                   | 37                   | 51                          | 48                   | 46                   | 58                          | 55                   | 53                   | 62                          | 60                   | 57                   | 65                           | 62                   | 60                   |
|           | 750                 | 2700     | 46                          | 43                   | 41                   | 55                          | 52                   | 50                   | 62                          | 59                   | 57                   | 66                          | 63                   | 61                   | 69                           | 66                   | 64                   |
|           | 972                 | 3500     | 48                          | 46                   | 44                   | 58                          | 55                   | 53                   | 65                          | 62                   | 60                   | 69                          | 66                   | 64                   | 72                           | 69                   | 67                   |
|           | 1194                | 4300     | 51                          | 48                   | 46                   | 60                          | 57                   | 55                   | 67                          | 64                   | 62                   | 71                          | 68                   | 66                   | 74                           | 71                   | 69                   |
| 600 x 250 | 319                 | 1150     | 42                          | 40                   | 37                   | 52                          | 49                   | 47                   | 59                          | 56                   | 54                   | 63                          | 60                   | 58                   | 66                           | 63                   | 61                   |
|           | 558                 | 2010     | 47                          | 45                   | 43                   | 57                          | 54                   | 52                   | 64                          | 61                   | 59                   | 68                          | 65                   | 63                   | 71                           | 68                   | 66                   |
|           | 797                 | 2870     | 51                          | 48                   | 46                   | 60                          | 57                   | 55                   | 67                          | 64                   | 62                   | 71                          | 68                   | 66                   | 74                           | 71                   | 69                   |
|           | 1036                | 3730     | 53                          | 50                   | 48                   | 62                          | 60                   | 57                   | 69                          | 67                   | 64                   | 73                          | 71                   | 69                   | 76                           | 74                   | 72                   |
|           | 1275                | 4590     | 55                          | 52                   | 50                   | 64                          | 61                   | 59                   | 71                          | 68                   | 66                   | 75                          | 73                   | 70                   | 78                           | 76                   | 73                   |



**Tabelle A.1**

| RCQK      | Geräuschentwicklung |            | $\Delta p = 100 \text{ Pa}$ |             |             | $\Delta p = 250 \text{ Pa}$ |             |             | $\Delta p = 500 \text{ Pa}$ |             |             | $\Delta p = 750 \text{ Pa}$ |             |             | $\Delta p = 1000 \text{ Pa}$ |             |             |
|-----------|---------------------|------------|-----------------------------|-------------|-------------|-----------------------------|-------------|-------------|-----------------------------|-------------|-------------|-----------------------------|-------------|-------------|------------------------------|-------------|-------------|
|           | $Q$ [l/s]           | $Q$ [m³/h] | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)               | $L_A$ in NR | $L_A$ in NC |
| 400 x 300 | 333                 | 1200       | 35                          | 32          | 30          | 44                          | 41          | 39          | 51                          | 48          | 46          | 55                          | 52          | 50          | 58                           | 55          | 53          |
|           | 562                 | 2025       | 41                          | 38          | 36          | 50                          | 47          | 45          | 57                          | 54          | 52          | 61                          | 58          | 56          | 64                           | 61          | 59          |
|           | 791                 | 2850       | 44                          | 42          | 40          | 54                          | 51          | 49          | 61                          | 58          | 56          | 65                          | 62          | 60          | 68                           | 65          | 63          |
|           | 1020                | 3675       | 47                          | 45          | 42          | 57                          | 54          | 52          | 64                          | 61          | 59          | 68                          | 65          | 63          | 71                           | 68          | 66          |
|           | 1250                | 4500       | 50                          | 47          | 45          | 59                          | 56          | 54          | 66                          | 63          | 61          | 70                          | 67          | 65          | 73                           | 70          | 68          |
| 500 x 300 | 375                 | 1350       | 44                          | 41          | 39          | 53                          | 50          | 48          | 60                          | 57          | 55          | 64                          | 62          | 59          | 67                           | 64          | 62          |
|           | 666                 | 2400       | 49                          | 46          | 44          | 58                          | 56          | 53          | 65                          | 63          | 60          | 69                          | 67          | 65          | 72                           | 70          | 68          |
|           | 958                 | 3450       | 52                          | 49          | 47          | 62                          | 59          | 57          | 69                          | 66          | 64          | 73                          | 70          | 68          | 76                           | 73          | 71          |
|           | 1250                | 4500       | 55                          | 52          | 50          | 64                          | 61          | 59          | 71                          | 68          | 66          | 75                          | 72          | 70          | 78                           | 75          | 73          |
|           | 1541                | 5550       | 56                          | 54          | 52          | 66                          | 63          | 61          | 73                          | 70          | 68          | 77                          | 74          | 72          | 80                           | 77          | 75          |
| 600 x 300 | 430                 | 1550       | 42                          | 39          | 37          | 51                          | 49          | 47          | 59                          | 56          | 54          | 63                          | 60          | 58          | 66                           | 63          | 61          |
|           | 719                 | 2590       | 46                          | 43          | 41          | 55                          | 52          | 50          | 62                          | 59          | 57          | 66                          | 64          | 62          | 69                           | 67          | 64          |
|           | 1006                | 3625       | 48                          | 46          | 43          | 58                          | 55          | 53          | 65                          | 62          | 60          | 69                          | 66          | 64          | 72                           | 69          | 67          |
|           | 1294                | 4660       | 50                          | 47          | 45          | 59                          | 57          | 55          | 66                          | 64          | 62          | 70                          | 68          | 66          | 73                           | 71          | 69          |
|           | 1583                | 5700       | 51                          | 49          | 47          | 61                          | 58          | 56          | 68                          | 65          | 63          | 72                          | 69          | 67          | 75                           | 72          | 70          |
| 400 x 400 | 388                 | 1400       | 44                          | 42          | 40          | 54                          | 51          | 49          | 61                          | 58          | 56          | 65                          | 62          | 60          | 68                           | 65          | 63          |
|           | 680                 | 2450       | 49                          | 46          | 44          | 58                          | 56          | 54          | 65                          | 63          | 61          | 69                          | 67          | 65          | 72                           | 70          | 68          |
|           | 1000                | 3600       | 52                          | 50          | 47          | 62                          | 59          | 57          | 69                          | 66          | 64          | 73                          | 70          | 68          | 76                           | 73          | 71          |
|           | 1319                | 4750       | 55                          | 52          | 50          | 64                          | 61          | 59          | 71                          | 68          | 66          | 75                          | 72          | 70          | 78                           | 75          | 73          |
|           | 1638                | 5900       | 56                          | 54          | 52          | 66                          | 63          | 61          | 73                          | 70          | 68          | 77                          | 74          | 72          | 80                           | 77          | 75          |
| 500 x 400 | 444                 | 1600       | 42                          | 40          | 38          | 52                          | 49          | 47          | 59                          | 56          | 54          | 63                          | 60          | 58          | 66                           | 63          | 61          |
|           | 791                 | 2850       | 47                          | 44          | 42          | 56                          | 53          | 51          | 63                          | 60          | 58          | 67                          | 64          | 62          | 70                           | 67          | 65          |
|           | 1138                | 4100       | 49                          | 46          | 44          | 58                          | 56          | 54          | 65                          | 63          | 61          | 70                          | 67          | 65          | 73                           | 70          | 68          |
|           | 1486                | 5350       | 51                          | 48          | 46          | 60                          | 58          | 56          | 67                          | 65          | 63          | 71                          | 69          | 67          | 74                           | 72          | 70          |
|           | 1833                | 6600       | 53                          | 50          | 48          | 62                          | 59          | 57          | 69                          | 66          | 64          | 73                          | 70          | 68          | 76                           | 73          | 71          |
| 600 x 400 | 500                 | 1800       | 43                          | 41          | 38          | 53                          | 50          | 48          | 60                          | 57          | 55          | 64                          | 61          | 59          | 67                           | 64          | 62          |
|           | 861                 | 3100       | 47                          | 44          | 42          | 56                          | 54          | 52          | 63                          | 61          | 59          | 68                          | 65          | 63          | 71                           | 68          | 66          |
|           | 1222                | 4400       | 50                          | 47          | 45          | 59                          | 56          | 54          | 66                          | 63          | 61          | 70                          | 67          | 65          | 73                           | 70          | 68          |
|           | 1583                | 5700       | 51                          | 49          | 47          | 61                          | 58          | 56          | 68                          | 65          | 63          | 72                          | 69          | 67          | 75                           | 72          | 70          |
|           | 1944                | 7000       | 53                          | 50          | 48          | 62                          | 60          | 57          | 69                          | 67          | 64          | 73                          | 71          | 69          | 76                           | 74          | 72          |
| 500 x 500 | 555                 | 2000       | 44                          | 41          | 39          | 53                          | 51          | 49          | 60                          | 58          | 56          | 64                          | 62          | 60          | 67                           | 65          | 63          |
|           | 1013                | 3650       | 48                          | 46          | 43          | 58                          | 55          | 53          | 65                          | 62          | 60          | 69                          | 66          | 64          | 72                           | 69          | 67          |
|           | 1472                | 5300       | 51                          | 48          | 46          | 60                          | 58          | 55          | 67                          | 65          | 62          | 71                          | 69          | 67          | 74                           | 72          | 70          |
|           | 1930                | 6950       | 53                          | 50          | 48          | 62                          | 59          | 57          | 69                          | 67          | 64          | 73                          | 71          | 69          | 76                           | 74          | 71          |
|           | 2388                | 8600       | 54                          | 52          | 50          | 64                          | 61          | 59          | 71                          | 68          | 66          | 75                          | 72          | 70          | 78                           | 75          | 73          |
| 600 x 500 | 611                 | 2200       | 45                          | 42          | 40          | 54                          | 51          | 49          | 61                          | 58          | 56          | 65                          | 62          | 60          | 68                           | 65          | 63          |
|           | 1097                | 3950       | 49                          | 46          | 44          | 58                          | 55          | 53          | 65                          | 63          | 60          | 69                          | 67          | 65          | 72                           | 70          | 67          |
|           | 1583                | 5700       | 51                          | 49          | 47          | 61                          | 58          | 56          | 68                          | 65          | 63          | 72                          | 69          | 67          | 75                           | 72          | 70          |
|           | 2069                | 7450       | 53                          | 51          | 49          | 63                          | 60          | 58          | 70                          | 67          | 65          | 74                          | 71          | 69          | 77                           | 74          | 72          |
|           | 2555                | 9200       | 55                          | 52          | 50          | 64                          | 61          | 59          | 71                          | 69          | 66          | 75                          | 73          | 71          | 78                           | 76          | 73          |
| 600 x 600 | 833                 | 3000       | 47                          | 44          | 42          | 56                          | 54          | 51          | 63                          | 61          | 58          | 67                          | 65          | 63          | 70                           | 68          | 65          |
|           | 1458                | 5250       | 51                          | 48          | 46          | 60                          | 57          | 55          | 67                          | 65          | 62          | 71                          | 69          | 67          | 74                           | 72          | 69          |
|           | 2083                | 7500       | 53                          | 51          | 49          | 63                          | 60          | 58          | 70                          | 67          | 65          | 74                          | 71          | 69          | 77                           | 74          | 72          |
|           | 2708                | 9750       | 55                          | 53          | 50          | 65                          | 62          | 60          | 72                          | 69          | 67          | 76                          | 73          | 71          | 79                           | 76          | 74          |
|           | 3333                | 12000      | 57                          | 54          | 52          | 66                          | 63          | 61          | 73                          | 70          | 68          | 77                          | 75          | 72          | 80                           | 77          | 75          |



### Tabelle A.2

| RCQK Geräuschabstrahlung |         |          | $\Delta p = 100 \text{ Pa}$ |                      |                      | $\Delta p = 250 \text{ Pa}$ |                      |                      | $\Delta p = 500 \text{ Pa}$ |                      |                      | $\Delta p = 750 \text{ Pa}$ |                      |                      | $\Delta p = 1000 \text{ Pa}$ |                      |                      |
|--------------------------|---------|----------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|-----------------------------|----------------------|----------------------|------------------------------|----------------------|----------------------|
| Größe                    | Q [l/s] | Q [m³/h] | L <sub>A</sub> in dB(A)     |                      |                      | L <sub>A</sub> in dB(A)     |                      |                      | L <sub>A</sub> in dB(A)     |                      |                      | L <sub>A</sub> in dB(A)     |                      |                      | L <sub>A</sub> in dB(A)      |                      |                      |
|                          |         |          | L <sub>A</sub> in NR        | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in NR        | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in NR        | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in NR        | L <sub>A</sub> in NR | L <sub>A</sub> in NC | L <sub>A</sub> in NR         | L <sub>A</sub> in NR | L <sub>A</sub> in NC |
| 200 x 100                | 47      | 170      | 15                          | <                    | <                    | 24                          | 22                   | 19                   | 31                          | 28                   | 26                   | 35                          | 32                   | 30                   | 38                           | 35                   | 33                   |
|                          | 76      | 275      | 19                          | 16                   | <                    | 28                          | 25                   | 23                   | 35                          | 32                   | 30                   | 39                          | 36                   | 34                   | 42                           | 39                   | 37                   |
|                          | 106     | 385      | 21                          | 19                   | 17                   | 30                          | 28                   | 26                   | 37                          | 35                   | 33                   | 41                          | 39                   | 37                   | 44                           | 41                   | 39                   |
|                          | 137     | 495      | 23                          | 21                   | 19                   | 32                          | 30                   | 28                   | 39                          | 37                   | 34                   | 43                          | 41                   | 38                   | 46                           | 43                   | 41                   |
|                          | 166     | 600      | 25                          | 22                   | 20                   | 34                          | 31                   | 29                   | 41                          | 38                   | 36                   | 45                          | 42                   | 40                   | 48                           | 45                   | 43                   |
| 300 x 100                | 72      | 260      | 18                          | 16                   | <                    | 27                          | 25                   | 23                   | 34                          | 32                   | 30                   | 38                          | 36                   | 34                   | 41                           | 38                   | 36                   |
|                          | 116     | 420      | 22                          | 19                   | 17                   | 31                          | 28                   | 26                   | 38                          | 35                   | 33                   | 42                          | 39                   | 37                   | 45                           | 42                   | 40                   |
|                          | 161     | 580      | 25                          | 22                   | 20                   | 34                          | 31                   | 29                   | 40                          | 38                   | 36                   | 44                          | 42                   | 40                   | 47                           | 45                   | 43                   |
|                          | 205     | 740      | 26                          | 24                   | 22                   | 35                          | 33                   | 31                   | 42                          | 40                   | 38                   | 46                          | 44                   | 42                   | 49                           | 46                   | 44                   |
|                          | 250     | 900      | 28                          | 25                   | 23                   | 37                          | 34                   | 32                   | 44                          | 41                   | 39                   | 48                          | 45                   | 43                   | 51                           | 48                   | 46                   |
| 300 x 150                | 104     | 375      | 21                          | 19                   | 16                   | 30                          | 28                   | 25                   | 37                          | 34                   | 32                   | 41                          | 38                   | 36                   | 44                           | 41                   | 39                   |
|                          | 180     | 650      | 25                          | 23                   | 21                   | 34                          | 32                   | 30                   | 41                          | 39                   | 37                   | 45                          | 43                   | 41                   | 48                           | 45                   | 43                   |
|                          | 256     | 925      | 28                          | 25                   | 23                   | 37                          | 34                   | 32                   | 44                          | 41                   | 39                   | 48                          | 45                   | 43                   | 51                           | 48                   | 46                   |
|                          | 333     | 1200     | 30                          | 27                   | 25                   | 39                          | 36                   | 34                   | 46                          | 43                   | 41                   | 50                          | 47                   | 45                   | 53                           | 50                   | 48                   |
|                          | 409     | 1475     | 32                          | 29                   | 27                   | 41                          | 38                   | 36                   | 48                          | 45                   | 43                   | 52                          | 49                   | 47                   | 54                           | 52                   | 50                   |
| 300 x 200                | 125     | 450      | 23                          | 20                   | 18                   | 32                          | 29                   | 27                   | 39                          | 36                   | 34                   | 43                          | 40                   | 38                   | 45                           | 43                   | 41                   |
|                          | 222     | 800      | 27                          | 24                   | 22                   | 36                          | 33                   | 31                   | 43                          | 40                   | 38                   | 47                          | 44                   | 42                   | 50                           | 47                   | 45                   |
|                          | 319     | 1150     | 30                          | 27                   | 25                   | 39                          | 36                   | 34                   | 46                          | 43                   | 41                   | 50                          | 47                   | 45                   | 53                           | 50                   | 48                   |
|                          | 416     | 1500     | 32                          | 29                   | 27                   | 41                          | 38                   | 36                   | 48                          | 45                   | 43                   | 52                          | 49                   | 47                   | 55                           | 52                   | 50                   |
|                          | 513     | 1850     | 33                          | 31                   | 29                   | 42                          | 40                   | 38                   | 49                          | 47                   | 45                   | 53                          | 51                   | 49                   | 56                           | 53                   | 51                   |
| 400 x 200                | 222     | 800      | 29                          | 26                   | 24                   | 38                          | 35                   | 33                   | 45                          | 42                   | 40                   | 48                          | 46                   | 44                   | 51                           | 48                   | 46                   |
|                          | 368     | 1325     | 31                          | 28                   | 26                   | 40                          | 37                   | 35                   | 46                          | 44                   | 42                   | 50                          | 48                   | 46                   | 53                           | 50                   | 48                   |
|                          | 513     | 1850     | 32                          | 30                   | 27                   | 41                          | 38                   | 36                   | 48                          | 45                   | 43                   | 52                          | 49                   | 47                   | 54                           | 52                   | 50                   |
|                          | 659     | 2375     | 33                          | 31                   | 28                   | 42                          | 39                   | 37                   | 49                          | 46                   | 44                   | 53                          | 50                   | 48                   | 55                           | 53                   | 51                   |
|                          | 805     | 2900     | 34                          | 31                   | 29                   | 43                          | 40                   | 38                   | 50                          | 47                   | 45                   | 53                          | 51                   | 49                   | 56                           | 53                   | 51                   |
| 500 x 200                | 227     | 820      | 29                          | 26                   | 24                   | 38                          | 35                   | 33                   | 45                          | 42                   | 40                   | 49                          | 46                   | 44                   | 51                           | 49                   | 46                   |
|                          | 400     | 1440     | 31                          | 29                   | 27                   | 40                          | 37                   | 35                   | 47                          | 44                   | 42                   | 51                          | 48                   | 46                   | 53                           | 51                   | 49                   |
|                          | 572     | 2060     | 33                          | 30                   | 28                   | 42                          | 39                   | 37                   | 48                          | 45                   | 43                   | 52                          | 49                   | 47                   | 55                           | 52                   | 50                   |
|                          | 744     | 2680     | 34                          | 31                   | 29                   | 43                          | 40                   | 38                   | 49                          | 47                   | 44                   | 53                          | 50                   | 48                   | 56                           | 53                   | 51                   |
|                          | 916     | 3300     | 35                          | 32                   | 30                   | 43                          | 41                   | 39                   | 50                          | 47                   | 45                   | 54                          | 51                   | 49                   | 57                           | 54                   | 52                   |
| 600 x 200                | 263     | 950      | 18                          | 15                   | <                    | 27                          | 25                   | 23                   | 34                          | 32                   | 30                   | 39                          | 36                   | 34                   | 41                           | 39                   | 37                   |
|                          | 438     | 1580     | 24                          | 21                   | 19                   | 33                          | 30                   | 28                   | 40                          | 37                   | 35                   | 44                          | 42                   | 40                   | 47                           | 45                   | 42                   |
|                          | 627     | 2260     | 28                          | 25                   | 23                   | 37                          | 34                   | 32                   | 44                          | 42                   | 39                   | 48                          | 46                   | 44                   | 51                           | 49                   | 46                   |
|                          | 816     | 2940     | 31                          | 28                   | 26                   | 40                          | 37                   | 35                   | 47                          | 44                   | 42                   | 51                          | 49                   | 47                   | 54                           | 52                   | 49                   |
|                          | 1027    | 3700     | 33                          | 31                   | 29                   | 43                          | 40                   | 38                   | 50                          | 47                   | 45                   | 54                          | 51                   | 49                   | 57                           | 54                   | 52                   |
| 400 x 250                | 222     | 800      | 29                          | 26                   | 24                   | 38                          | 35                   | 33                   | 45                          | 42                   | 40                   | 48                          | 46                   | 44                   | 51                           | 48                   | 46                   |
|                          | 388     | 1400     | 31                          | 28                   | 26                   | 40                          | 37                   | 35                   | 47                          | 44                   | 42                   | 51                          | 48                   | 46                   | 53                           | 51                   | 49                   |
|                          | 555     | 2000     | 33                          | 30                   | 28                   | 41                          | 39                   | 37                   | 48                          | 45                   | 43                   | 52                          | 49                   | 47                   | 55                           | 52                   | 50                   |
|                          | 722     | 2600     | 34                          | 31                   | 29                   | 42                          | 40                   | 38                   | 49                          | 46                   | 44                   | 53                          | 50                   | 48                   | 56                           | 53                   | 51                   |
|                          | 888     | 3200     | 34                          | 32                   | 30                   | 43                          | 41                   | 38                   | 50                          | 47                   | 45                   | 54                          | 51                   | 49                   | 57                           | 54                   | 52                   |
| 500 x 250                | 305     | 1100     | 22                          | 19                   | 17                   | 31                          | 28                   | 26                   | 38                          | 35                   | 33                   | 42                          | 40                   | 37                   | 45                           | 43                   | 40                   |
|                          | 527     | 1900     | 28                          | 25                   | 23                   | 37                          | 34                   | 32                   | 44                          | 41                   | 39                   | 48                          | 46                   | 43                   | 51                           | 48                   | 46                   |
|                          | 750     | 2700     | 32                          | 29                   | 27                   | 41                          | 38                   | 36                   | 48                          | 45                   | 43                   | 52                          | 49                   | 47                   | 55                           | 52                   | 50                   |
|                          | 972     | 3500     | 34                          | 32                   | 30                   | 44                          | 41                   | 39                   | 51                          | 48                   | 46                   | 55                          | 52                   | 50                   | 58                           | 55                   | 53                   |
|                          | 1194    | 4300     | 37                          | 34                   | 32                   | 46                          | 43                   | 41                   | 53                          | 50                   | 48                   | 57                          | 54                   | 52                   | 60                           | 57                   | 55                   |
| 600 x 250                | 319     | 1150     | 28                          | 26                   | 23                   | 38                          | 35                   | 33                   | 45                          | 42                   | 40                   | 49                          | 46                   | 44                   | 52                           | 49                   | 47                   |
|                          | 558     | 2010     | 33                          | 31                   | 29                   | 43                          | 40                   | 38                   | 50                          | 47                   | 45                   | 54                          | 51                   | 49                   | 57                           | 54                   | 52                   |
|                          | 797     | 2870     | 37                          | 34                   | 32                   | 46                          | 43                   | 41                   | 53                          | 50                   | 48                   | 57                          | 54                   | 52                   | 60                           | 57                   | 55                   |
|                          | 1036    | 3730     | 39                          | 36                   | 34                   | 48                          | 46                   | 43                   | 55                          | 53                   | 50                   | 59                          | 57                   | 55                   | 62                           | 60                   | 58                   |
|                          | 1275    | 4590     | 41                          | 38                   | 36                   | 50                          | 47                   | 45                   | 57                          | 54                   | 52                   | 61                          | 59                   | 56                   | 64                           | 62                   | 59                   |



### Tabelle A.2

| RCQK Geräuschabstrahlung |       |                     | $\Delta p = 100 \text{ Pa}$ |             |             | $\Delta p = 250 \text{ Pa}$ |             |             | $\Delta p = 500 \text{ Pa}$ |             |             | $\Delta p = 750 \text{ Pa}$ |             |             | $\Delta p = 1000 \text{ Pa}$ |             |             |
|--------------------------|-------|---------------------|-----------------------------|-------------|-------------|-----------------------------|-------------|-------------|-----------------------------|-------------|-------------|-----------------------------|-------------|-------------|------------------------------|-------------|-------------|
| Größe                    | Q     |                     | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)              | $L_A$ in NR | $L_A$ in NC | $L_A$ in dB(A)               | $L_A$ in NR | $L_A$ in NC |
|                          | [l/s] | [m <sup>3</sup> /h] |                             |             |             |                             |             |             |                             |             |             |                             |             |             |                              |             |             |
| 400 x 300                | 333   | 1200                | 21                          | 18          | 16          | 30                          | 27          | 25          | 37                          | 34          | 32          | 41                          | 38          | 36          | 44                           | 41          | 39          |
|                          | 562   | 2025                | 27                          | 24          | 22          | 36                          | 33          | 31          | 43                          | 40          | 38          | 47                          | 44          | 42          | 50                           | 47          | 45          |
|                          | 791   | 2850                | 30                          | 28          | 26          | 40                          | 37          | 35          | 47                          | 44          | 42          | 51                          | 48          | 46          | 54                           | 51          | 49          |
|                          | 1020  | 3675                | 33                          | 31          | 28          | 43                          | 40          | 38          | 50                          | 47          | 45          | 54                          | 51          | 49          | 57                           | 54          | 52          |
|                          | 1250  | 4500                | 36                          | 33          | 31          | 45                          | 42          | 40          | 52                          | 49          | 47          | 56                          | 53          | 51          | 59                           | 56          | 54          |
| 500 x 300                | 375   | 1350                | 30                          | 27          | 25          | 39                          | 36          | 34          | 46                          | 43          | 41          | 50                          | 48          | 45          | 53                           | 50          | 48          |
|                          | 666   | 2400                | 35                          | 32          | 30          | 44                          | 42          | 39          | 51                          | 49          | 46          | 55                          | 53          | 51          | 58                           | 56          | 54          |
|                          | 958   | 3450                | 38                          | 35          | 33          | 48                          | 45          | 43          | 55                          | 52          | 50          | 59                          | 56          | 54          | 62                           | 59          | 57          |
|                          | 1250  | 4500                | 41                          | 38          | 36          | 50                          | 47          | 45          | 57                          | 54          | 52          | 61                          | 58          | 56          | 64                           | 61          | 59          |
|                          | 1541  | 5550                | 42                          | 40          | 38          | 52                          | 49          | 47          | 59                          | 56          | 54          | 63                          | 60          | 58          | 66                           | 63          | 61          |
| 600 x 300                | 430   | 1550                | 28                          | 25          | 23          | 37                          | 35          | 33          | 45                          | 42          | 40          | 49                          | 46          | 44          | 52                           | 49          | 47          |
|                          | 719   | 2590                | 32                          | 29          | 27          | 41                          | 38          | 36          | 48                          | 45          | 43          | 52                          | 50          | 48          | 55                           | 53          | 50          |
|                          | 1006  | 3625                | 34                          | 32          | 29          | 44                          | 41          | 39          | 51                          | 48          | 46          | 55                          | 52          | 50          | 58                           | 55          | 53          |
|                          | 1294  | 4660                | 36                          | 33          | 31          | 45                          | 43          | 41          | 52                          | 50          | 48          | 56                          | 54          | 52          | 59                           | 57          | 55          |
|                          | 1583  | 5700                | 37                          | 35          | 33          | 47                          | 44          | 42          | 54                          | 51          | 49          | 58                          | 55          | 53          | 61                           | 58          | 56          |
| 400 x 400                | 388   | 1400                | 30                          | 28          | 26          | 40                          | 37          | 35          | 47                          | 44          | 42          | 51                          | 48          | 46          | 54                           | 51          | 49          |
|                          | 680   | 2450                | 35                          | 32          | 30          | 44                          | 42          | 40          | 51                          | 49          | 47          | 55                          | 53          | 51          | 58                           | 56          | 54          |
|                          | 1000  | 3600                | 38                          | 36          | 33          | 48                          | 45          | 43          | 55                          | 52          | 50          | 59                          | 56          | 54          | 62                           | 59          | 57          |
|                          | 1319  | 4750                | 41                          | 38          | 36          | 50                          | 47          | 45          | 57                          | 54          | 52          | 61                          | 58          | 56          | 64                           | 61          | 59          |
|                          | 1638  | 5900                | 42                          | 40          | 38          | 52                          | 49          | 47          | 59                          | 56          | 54          | 63                          | 60          | 58          | 66                           | 63          | 61          |
| 500 x 400                | 444   | 1600                | 28                          | 26          | 24          | 38                          | 35          | 33          | 45                          | 42          | 40          | 49                          | 46          | 44          | 52                           | 49          | 47          |
|                          | 791   | 2850                | 33                          | 30          | 28          | 42                          | 39          | 37          | 49                          | 46          | 44          | 53                          | 50          | 48          | 56                           | 53          | 51          |
|                          | 1138  | 4100                | 35                          | 32          | 30          | 44                          | 42          | 40          | 51                          | 49          | 47          | 56                          | 53          | 51          | 59                           | 56          | 54          |
|                          | 1486  | 5350                | 37                          | 34          | 32          | 46                          | 44          | 42          | 53                          | 51          | 49          | 57                          | 55          | 53          | 60                           | 58          | 56          |
|                          | 1833  | 6600                | 39                          | 36          | 34          | 48                          | 45          | 43          | 55                          | 52          | 50          | 59                          | 56          | 54          | 62                           | 59          | 57          |
| 600 x 400                | 500   | 1800                | 29                          | 27          | 24          | 39                          | 36          | 34          | 46                          | 43          | 41          | 50                          | 47          | 45          | 53                           | 50          | 48          |
|                          | 861   | 3100                | 33                          | 30          | 28          | 42                          | 40          | 38          | 49                          | 47          | 45          | 54                          | 51          | 49          | 57                           | 54          | 52          |
|                          | 1222  | 4400                | 36                          | 33          | 31          | 45                          | 42          | 40          | 52                          | 49          | 47          | 56                          | 53          | 51          | 59                           | 56          | 54          |
|                          | 1583  | 5700                | 37                          | 35          | 33          | 47                          | 44          | 42          | 54                          | 51          | 49          | 58                          | 55          | 53          | 61                           | 58          | 56          |
|                          | 1944  | 7000                | 39                          | 36          | 34          | 48                          | 46          | 43          | 55                          | 53          | 50          | 59                          | 57          | 55          | 62                           | 60          | 58          |
| 500 x 500                | 555   | 2000                | 30                          | 27          | 25          | 39                          | 37          | 35          | 46                          | 44          | 42          | 50                          | 48          | 46          | 53                           | 51          | 49          |
|                          | 1013  | 3650                | 34                          | 32          | 29          | 44                          | 41          | 39          | 51                          | 48          | 46          | 55                          | 52          | 50          | 58                           | 55          | 53          |
|                          | 1472  | 5300                | 37                          | 34          | 32          | 46                          | 44          | 41          | 53                          | 51          | 48          | 57                          | 55          | 53          | 60                           | 58          | 56          |
|                          | 1930  | 6950                | 39                          | 36          | 34          | 48                          | 45          | 43          | 55                          | 53          | 50          | 59                          | 57          | 55          | 62                           | 60          | 57          |
|                          | 2388  | 8600                | 40                          | 38          | 36          | 50                          | 47          | 45          | 57                          | 54          | 52          | 61                          | 58          | 56          | 64                           | 61          | 59          |
| 600 x 500                | 611   | 2200                | 31                          | 28          | 26          | 40                          | 37          | 35          | 47                          | 44          | 42          | 51                          | 48          | 46          | 54                           | 51          | 49          |
|                          | 1097  | 3950                | 35                          | 32          | 30          | 44                          | 41          | 39          | 51                          | 49          | 46          | 55                          | 53          | 51          | 58                           | 56          | 53          |
|                          | 1583  | 5700                | 37                          | 35          | 33          | 47                          | 44          | 42          | 54                          | 51          | 49          | 58                          | 55          | 53          | 61                           | 58          | 56          |
|                          | 2069  | 7450                | 39                          | 37          | 35          | 49                          | 46          | 44          | 56                          | 53          | 51          | 60                          | 57          | 55          | 63                           | 60          | 58          |
|                          | 2555  | 9200                | 41                          | 38          | 36          | 50                          | 47          | 45          | 57                          | 55          | 52          | 61                          | 59          | 57          | 64                           | 62          | 59          |
| 600 x 600                | 833   | 3000                | 33                          | 30          | 28          | 42                          | 40          | 37          | 49                          | 47          | 44          | 53                          | 51          | 49          | 56                           | 54          | 51          |
|                          | 1458  | 5250                | 37                          | 34          | 32          | 46                          | 43          | 41          | 53                          | 51          | 48          | 57                          | 55          | 53          | 60                           | 58          | 55          |
|                          | 2083  | 7500                | 39                          | 37          | 35          | 49                          | 46          | 44          | 56                          | 53          | 51          | 60                          | 57          | 55          | 63                           | 60          | 58          |
|                          | 2708  | 9750                | 41                          | 39          | 36          | 51                          | 48          | 46          | 58                          | 55          | 53          | 62                          | 59          | 57          | 65                           | 62          | 60          |
|                          | 3333  | 12000               | 43                          | 40          | 38          | 52                          | 49          | 47          | 59                          | 56          | 54          | 63                          | 61          | 58          | 66                           | 63          | 61          |



**Tabelle B**

| RCQK      | Geräuschentwicklung<br>Q [l/s]    Q [m³/h] |      | p = 100 Pa |     |     |     |      |      |      |      | p = 200 Pa |     |     |     |      |      |      |      | p = 300 Pa |     |     |     |      |      |      |      | p = 400 Pa |     |     |     |      |      |      |      | p = 500 Pa |     |     |     |      |      |      |      |
|-----------|--|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|
|           |  |      | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 200 x 100 | 47   | 170  | 32         | 31  | 29  | 29  | 30   | 31   | 31   | 28   | 39         | 38  | 35  | 36  | 37   | 38   | 37   | 35   | 43         | 42  | 39  | 40  | 41   | 42   | 41   | 39   | 46         | 45  | 42  | 42  | 44   | 45   | 44   | 42   | 48         | 47  | 45  | 45  | 46   | 47   | 46   | 44   |
|           | 76   | 275  | 36         | 35  | 32  | 32  | 34   | 35   | 34   | 32   | 43         | 41  | 39  | 39  | 41   | 41   | 41   | 39   | 47         | 45  | 43  | 43  | 45   | 45   | 45   | 43   | 50         | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 52         | 50  | 48  | 48  | 50   | 50   | 50   | 48   |
|           | 106  | 385  | 38         | 37  | 35  | 35  | 37   | 37   | 37   | 34   | 45         | 44  | 42  | 42  | 43   | 44   | 44   | 41   | 49         | 48  | 46  | 46  | 47   | 48   | 48   | 45   | 52         | 51  | 49  | 49  | 50   | 51   | 50   | 48   | 54         | 53  | 51  | 51  | 52   | 53   | 53   | 50   |
|           | 137  | 495  | 40         | 39  | 37  | 37  | 38   | 39   | 39   | 36   | 47         | 46  | 44  | 44  | 45   | 46   | 46   | 43   | 51         | 50  | 48  | 48  | 49   | 50   | 50   | 47   | 54         | 53  | 51  | 51  | 52   | 53   | 52   | 50   | 56         | 55  | 53  | 53  | 54   | 55   | 55   | 52   |
|           | 166  | 600  | 42         | 41  | 38  | 38  | 40   | 41   | 40   | 38   | 49         | 47  | 45  | 45  | 47   | 47   | 47   | 45   | 53         | 51  | 49  | 49  | 51   | 51   | 51   | 49   | 56         | 54  | 52  | 52  | 54   | 54   | 54   | 52   | 58         | 56  | 54  | 54  | 56   | 56   | 56   | 54   |
| 300 x 100 | 72   | 260  | 35         | 34  | 32  | 32  | 34   | 34   | 34   | 31   | 42         | 41  | 39  | 39  | 40   | 41   | 41   | 38   | 46         | 45  | 43  | 43  | 44   | 45   | 45   | 42   | 49         | 48  | 46  | 46  | 47   | 48   | 47   | 45   | 51         | 50  | 48  | 48  | 49   | 50   | 50   | 47   |
|           | 116  | 420  | 39         | 38  | 36  | 36  | 37   | 38   | 37   | 35   | 46         | 45  | 42  | 43  | 44   | 45   | 44   | 42   | 50         | 49  | 46  | 47  | 48   | 49   | 48   | 46   | 53         | 51  | 49  | 49  | 51   | 52   | 51   | 49   | 55         | 54  | 51  | 52  | 53   | 54   | 53   | 51   |
|           | 161  | 580  | 42         | 40  | 38  | 38  | 40   | 40   | 40   | 38   | 48         | 47  | 45  | 45  | 47   | 47   | 47   | 44   | 52         | 51  | 49  | 49  | 51   | 51   | 51   | 48   | 55         | 54  | 52  | 52  | 53   | 54   | 54   | 51   | 57         | 56  | 54  | 54  | 56   | 56   | 56   | 53   |
|           | 205  | 740  | 43         | 42  | 40  | 40  | 42   | 42   | 42   | 39   | 50         | 49  | 47  | 47  | 48   | 49   | 49   | 46   | 54         | 53  | 51  | 51  | 52   | 53   | 53   | 50   | 57         | 56  | 54  | 54  | 55   | 56   | 55   | 53   | 59         | 58  | 56  | 56  | 57   | 58   | 58   | 55   |
|           | 250  | 900  | 45         | 44  | 41  | 41  | 43   | 44   | 43   | 41   | 52         | 50  | 48  | 48  | 50   | 50   | 50   | 48   | 56         | 54  | 52  | 52  | 54   | 54   | 54   | 52   | 59         | 57  | 55  | 55  | 57   | 57   | 57   | 55   | 61         | 59  | 57  | 57  | 59   | 60   | 59   | 57   |
| 300 x 150 | 104  | 375  | 38         | 37  | 35  | 35  | 36   | 37   | 37   | 34   | 45         | 44  | 42  | 42  | 43   | 44   | 43   | 41   | 49         | 48  | 46  | 46  | 47   | 48   | 47   | 45   | 52         | 51  | 48  | 48  | 50   | 51   | 50   | 48   | 54         | 53  | 51  | 51  | 52   | 53   | 52   | 50   |
|           | 180  | 650  | 42         | 41  | 39  | 39  | 41   | 41   | 41   | 38   | 49         | 48  | 46  | 46  | 47   | 48   | 48   | 45   | 53         | 52  | 50  | 50  | 51   | 52   | 52   | 49   | 56         | 55  | 53  | 53  | 54   | 55   | 54   | 52   | 58         | 57  | 55  | 55  | 56   | 57   | 57   | 54   |
|           | 256  | 925  | 45         | 44  | 42  | 42  | 43   | 44   | 43   | 41   | 52         | 51  | 48  | 49  | 50   | 51   | 50   | 48   | 56         | 55  | 52  | 53  | 54   | 55   | 54   | 52   | 59         | 58  | 55  | 55  | 57   | 58   | 57   | 55   | 61         | 60  | 57  | 58  | 59   | 60   | 59   | 57   |
|           | 333  | 1200 | 47         | 46  | 44  | 44  | 45   | 46   | 45   | 43   | 54         | 53  | 50  | 51  | 52   | 53   | 52   | 50   | 58         | 57  | 54  | 55  | 56   | 57   | 56   | 54   | 61         | 59  | 57  | 57  | 59   | 60   | 59   | 57   | 63         | 62  | 59  | 60  | 61   | 62   | 61   | 59   |
|           | 409  | 1475 | 49         | 47  | 45  | 45  | 47   | 47   | 47   | 45   | 56         | 54  | 52  | 52  | 54   | 54   | 54   | 52   | 60         | 58  | 56  | 56  | 58   | 58   | 58   | 56   | 62         | 61  | 59  | 59  | 61   | 61   | 61   | 58   | 65         | 63  | 61  | 61  | 63   | 63   | 63   | 61   |
| 300 x 200 | 125  | 450  | 40         | 38  | 36  | 36  | 38   | 38   | 36   | 46   | 45         | 43  | 43  | 45  | 45   | 45   | 42   | 50   | 49         | 47  | 47  | 49  | 49   | 49   | 46   | 53   | 52         | 50  | 50  | 51  | 52   | 52   | 49   | 56   | 54         | 52  | 52  | 54  | 54   | 54   | 52   |      |
|           | 222  | 800  | 44         | 43  | 40  | 41  | 42   | 43   | 42   | 40   | 51         | 50  | 47  | 47  | 49   | 50   | 49   | 47   | 55         | 54  | 51  | 51  | 53   | 54   | 53   | 51   | 58         | 56  | 54  | 54  | 56   | 56   | 56   | 54   | 60         | 59  | 56  | 56  | 58   | 59   | 58   | 56   |
|           | 319  | 1150 | 47         | 45  | 43  | 43  | 45   | 46   | 45   | 43   | 54         | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 58         | 56  | 54  | 54  | 56   | 56   | 56   | 54   | 60         | 59  | 57  | 57  | 59   | 59   | 59   | 56   | 63         | 61  | 59  | 59  | 61   | 61   | 61   | 59   |
|           | 416  | 1500 | 49         | 48  | 45  | 45  | 47   | 48   | 47   | 45   | 56         | 54  | 52  | 52  | 54   | 54   | 54   | 52   | 60         | 58  | 56  | 56  | 58   | 58   | 58   | 56   | 63         | 61  | 59  | 59  | 61   | 61   | 61   | 59   | 65         | 63  | 61  | 61  | 63   | 63   | 63   | 61   |
|           | 513  | 1850 | 50         | 49  | 47  | 47  | 49   | 49   | 49   | 46   | 57         | 56  | 54  | 54  | 56   | 56   | 56   | 53   | 61         | 60  | 58  | 58  | 60   | 60   | 60   | 57   | 64         | 63  | 61  | 61  | 62   | 63   | 62   | 60   | 66         | 65  | 63  | 63  | 64   | 65   | 65   | 62   |
| 400 x 200 | 222  | 800  | 46         | 45  | 42  | 43  | 44   | 45   | 44   | 42   | 53         | 51  | 49  | 49  | 51   | 51   | 51   | 49   | 57         | 55  | 53  | 53  | 55   | 55   | 55   | 53   | 59         | 58  | 56  | 56  | 58   | 58   | 58   | 55   | 62         | 60  | 58  | 58  | 60   | 60   | 60   | 58   |
|           | 368  | 1325 | 48         | 47  | 44  | 45  | 46   | 47   | 46   | 44   | 55         | 53  | 51  | 51  | 53   | 53   | 53   | 51   | 59         | 57  | 55  | 55  | 57   | 57   | 57   | 55   | 61         | 60  | 58  | 58  | 60   | 60   | 60   | 57   | 63         | 62  | 60  | 60  | 62   | 62   | 62   | 59   |
|           | 513  | 1850 | 49         | 48  | 46  | 46  | 47   | 48   | 48   | 45   | 56         | 55  | 52  | 53  | 54   | 55   | 54   | 52   | 60         | 59  | 56  | 56  | 58   | 59   | 58   | 56   | 63         | 61  | 59  | 59  | 61   | 61   | 61   | 59   | 65         | 63  | 61  | 61  | 63   | 63   | 63   | 61   |
|           | 659  | 2375 | 50         | 49  | 47  | 47  | 48   | 49   | 49   | 46   | 57         | 56  | 53  | 53  | 55   | 56   | 55   | 53   | 61         | 59  | 57  | 57  | 59   | 60   | 59   | 57   | 64         | 62  | 60  | 60  | 62   | 62   | 62   | 60   | 66         | 64  | 62  | 62  | 64   | 64   | 64   | 62   |
|           | 805  | 2900 | 51         | 50  | 47  | 48  | 49   | 50   | 49   | 47   | 58         | 56  | 54  | 54  | 56   | 56   | 56   | 54   | 62         | 60  | 58  | 58  | 60   | 60   | 60   | 58   | 64         | 63  | 61  | 61  | 63   | 63   | 63   | 60   | 67         | 65  | 63  | 63  | 65   | 65   | 65   | 62   |
| 500 x 200 | 227  | 820  | 46         | 45  | 43  | 43  | 44   | 45   | 44   | 42   | 53         | 51  | 49  | 49  | 51   | 52   | 51   | 49   | 57         | 55  | 53  | 53  | 55   | 55   | 55   | 53   | 59         | 58  | 56  | 56  | 58   | 58   | 58   | 55   | 62         | 60  | 58  | 58  | 60   | 60   | 60   | 58   |
|           | 400  | 1440 | 48         | 47  | 45  | 45  | 46   | 47   | 47   | 44   | 55         | 54  | 51  | 52  | 53   | 54   | 53   | 51   | 59         | 58  | 55  | 55  | 57   | 58   | 57   | 55   | 62         | 60  | 58  | 58  | 60   | 60   | 60   | 58   | 64         | 62  | 60  | 60  | 62   | 63   | 62   | 60   |
|           | 572  | 2060 | 50         | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 56         | 55  | 53  | 53  | 55   | 55   | 55   | 52   | 60         | 59  | 57  | 57  | 58   | 59   | 59   | 56   | 63         | 62  | 59  | 60  | 61   | 62   | 61   | 59   | 65         | 64  | 62  | 62  | 63   | 64   | 64   | 61   |
|           | 744  | 2680 | 51         | 49  | 47  | 47  | 49   | 49   | 49   | 47   | 57         | 56  | 54  | 54  | 56   | 56   | 56   | 53   | 61         | 60  | 58  | 58  | 60   | 60   | 60   | 57   | 64         | 63  | 61  | 61  | 62   | 63   | 62   | 60   | 66         | 65  | 63  | 63  | 64   | 65   | 65   | 62   |
|           | 916  | 3300 | 52         | 50  | 48  | 48  | 50   | 50   | 50   | 48   | 58         | 57  | 55  | 55  | 57   | 57   | 57   | 54   | 62         | 61  | 59  | 59  | 61   | 61   | 60   | 58   | 65         | 64  | 61  | 61  | 63   | 64   | 63   | 61   | 67         | 66  | 63  | 64  | 65   | 66   | 65   | 63   |
| 600 x 200 | 263  | 950  | 35         | 34  | 31  | 32  | 33   | 34   | 33   | 31   | 42         | 41  | 39  | 39  | 40   | 41   | 40   | 38   | 46         | 45  | 43  | 43  | 44   | 45   | 45   | 42   | 49         | 48  | 46  | 46  | 47   | 48   | 47   | 45   | 51         | 50  | 48  | 48  | 50   | 50   | 50   | 47   |
|           | 438  | 1580 | 41         | 39  | 37  | 37  | 39   | 39   | 39   | 37   | 48         | 46  | 44  | 44  | 46   | 47   | 46   | 44   | 52         | 51  | 48  | 49  | 50   | 51   | 50   | 48   | 55         | 54  | 51  | 51  | 53   | 54   | 53   | 51   | 57         | 56  | 54  | 54  | 55   | 56   | 56   | 53   |
|           | 627  | 2260 | 45         | 43  | 41  | 41  | 43   | 44   | 43   | 41   | 52         | 51  | 48  | 48  | 50   | 51   | 50   | 48   | 56         | 55  | 52  | 53  | 54   | 55   | 54   | 52   | 59         | 58  | 55  | 56  | 57   | 58   | 57   | 55   | 61         | 60  | 58  | 58  | 60   | 60   | 60   | 57   |
|           | 816  | 2940 | 48         | 46  | 44  | 44  | 46   | 46   | 46   | 44   | 55         | 54  | 51  | 51  | 53   | 54   | 53   | 51   | 59         | 58  | 55  | 56  | 57   | 58   | 57   | 55   | 62         | 61  | 58  | 58  | 60   | 61   | 60   | 58   | 64         | 63  | 61  | 61  | 62   | 63   | 63   | 60   |
|           | 1027                                       | 3700 | 50         | 49  | 47  | 47  | 49   | 49   | 49   | 46   | 57         | 56  | 54  | 54  | 56   | 56   | 56   | 53   | 62         | 60  | 58  | 58  | 60   | 60   | 60   | 58   | 65         | 63  | 61  | 61  | 63   | 63   | 63   | 61   | 67         | 65  | 63  | 63  | 65   | 66   | 65   | 63   |
| 400 x 250 | 222  | 800  | 46         | 45  | 42  | 43  | 44   | 45   | 44   | 42   | 53         | 51  | 49  | 49  | 51   | 51   | 51   | 49   | 57         | 55  | 53  | 53  | 55   | 55   | 55   | 53   | 59         | 58  | 56  | 56  | 58   | 58   | 58   | 55   | 62         | 60  | 58  | 58  | 60   | 60   | 60   | 58   |
|           | 388  | 1400 | 48         | 47  | 45  | 45  | 46   | 47   | 47   | 44   | 55         | 54  | 51  | 51  | 53   | 54   | 53   | 51   | 59         | 57  | 55  | 55  | 57   | 57   | 57   | 55   | 62         | 60  | 58  | 58  | 60   | 60   | 60   | 58   | 64         | 62  | 60  | 60  | 62   | 62   | 62   | 60   |
|           | 555  | 2000 | 5          |     |     |     |      |      |      |      |            |     |     |     |      |      |      |      |            |     |     |     |      |      |      |      |            |     |     |     |      |      |      |      |            |     |     |     |      |      |      |      |



### Tabelle B

| RCQK      | Geräuschentwicklung |         | p = 100 Pa |    |     |     |     |      |      |      | p = 200 Pa |    |     |     |     |      |      |      | p = 300 Pa |    |     |     |     |      |      |      | p = 400 Pa |    |     |     |     |      |      |      | p = 500 Pa |    |     |     |     |      |      |      |
|-----------|---------------------|---------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|
|           | Größe               | Q [l/s] | Q [m³/h]   | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 x 300 | 333                 | 1200    | 38         | 36 | 34  | 34  | 36  | 36   | 36   | 34   | 45         | 43 | 41  | 41  | 43  | 43   | 43   | 41   | 49         | 48 | 45  | 45  | 47  | 48   | 47   | 45   | 52         | 50 | 48  | 48  | 50  | 50   | 50   | 48   | 54         | 53 | 51  | 51  | 52  | 53   | 52   | 50   |
|           | 562                 | 2025    | 44         | 42 | 40  | 40  | 42  | 42   | 42   | 40   | 51         | 49 | 47  | 47  | 49  | 49   | 49   | 47   | 55         | 53 | 51  | 51  | 53  | 53   | 53   | 51   | 58         | 56 | 54  | 54  | 56  | 56   | 56   | 54   | 60         | 59 | 56  | 57  | 58  | 59   | 58   | 56   |
|           | 791                 | 2850    | 47         | 46 | 44  | 44  | 46  | 46   | 46   | 43   | 54         | 53 | 51  | 51  | 53  | 53   | 53   | 50   | 59         | 57 | 55  | 55  | 57  | 57   | 57   | 55   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 58   | 64         | 63 | 60  | 60  | 62  | 63   | 62   | 60   |
|           | 1020                | 3675    | 50         | 49 | 47  | 47  | 48  | 49   | 49   | 46   | 57         | 56 | 54  | 54  | 56  | 56   | 56   | 53   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 58   | 64         | 63 | 61  | 61  | 63  | 63   | 63   | 60   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   |
|           | 1250                | 4500    | 53         | 51 | 49  | 49  | 51  | 51   | 51   | 49   | 60         | 58 | 56  | 56  | 58  | 58   | 58   | 56   | 64         | 62 | 60  | 60  | 62  | 63   | 62   | 60   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 69         | 68 | 65  | 66  | 67  | 68   | 67   | 65   |
| 500 x 300 | 375                 | 1350    | 47         | 45 | 43  | 43  | 45  | 45   | 45   | 43   | 54         | 52 | 50  | 50  | 52  | 52   | 52   | 50   | 58         | 57 | 54  | 54  | 56  | 57   | 56   | 54   | 61         | 59 | 57  | 57  | 59  | 60   | 59   | 57   | 63         | 62 | 60  | 60  | 61  | 62   | 61   | 59   |
|           | 666                 | 2400    | 52         | 51 | 48  | 48  | 50  | 51   | 50   | 48   | 59         | 58 | 55  | 56  | 57  | 58   | 57   | 55   | 63         | 62 | 60  | 60  | 61  | 62   | 61   | 59   | 66         | 65 | 62  | 63  | 64  | 65   | 64   | 62   | 68         | 67 | 65  | 65  | 66  | 67   | 67   | 64   |
|           | 958                 | 3450    | 55         | 54 | 52  | 52  | 53  | 54   | 54   | 51   | 62         | 61 | 59  | 60  | 61  | 61   | 58   | 66   | 65         | 63 | 63  | 65  | 65  | 65   | 62   | 69   | 68         | 66 | 66  | 67  | 68  | 68   | 65   | 72   | 70         | 68 | 68  | 70  | 70  | 68   | 70   | 68   |
|           | 1250                | 4500    | 58         | 56 | 54  | 54  | 56  | 56   | 56   | 54   | 65         | 63 | 61  | 61  | 63  | 63   | 63   | 61   | 69         | 67 | 65  | 65  | 67  | 67   | 67   | 65   | 72         | 70 | 68  | 68  | 70  | 70   | 70   | 68   | 74         | 73 | 70  | 71  | 72  | 73   | 72   | 70   |
|           | 1541                | 5550    | 59         | 58 | 56  | 56  | 58  | 58   | 58   | 55   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 71         | 69 | 67  | 67  | 69  | 69   | 67   | 65   | 74         | 72 | 70  | 70  | 72  | 72   | 72   | 70   | 76         | 75 | 72  | 72  | 74  | 75   | 74   | 72   |
| 600 x 300 | 430                 | 1550    | 45         | 44 | 42  | 42  | 43  | 44   | 44   | 41   | 52         | 51 | 49  | 49  | 50  | 51   | 51   | 48   | 56         | 55 | 53  | 53  | 54  | 55   | 55   | 52   | 59         | 58 | 56  | 56  | 57  | 58   | 58   | 55   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 58   |
|           | 719                 | 2590    | 49         | 48 | 45  | 45  | 47  | 48   | 47   | 45   | 56         | 55 | 52  | 52  | 54  | 55   | 54   | 52   | 60         | 59 | 56  | 57  | 58  | 59   | 58   | 56   | 63         | 62 | 59  | 59  | 61  | 62   | 61   | 59   | 65         | 64 | 62  | 62  | 63  | 64   | 64   | 61   |
|           | 1006                | 3625    | 51         | 50 | 48  | 48  | 49  | 50   | 50   | 47   | 58         | 57 | 55  | 55  | 56  | 57   | 57   | 54   | 62         | 61 | 59  | 59  | 61  | 61   | 61   | 58   | 65         | 64 | 62  | 62  | 63  | 64   | 64   | 61   | 68         | 66 | 64  | 64  | 66  | 66   | 66   | 64   |
|           | 1294                | 4660    | 53         | 52 | 49  | 50  | 51  | 52   | 51   | 49   | 60         | 59 | 57  | 57  | 58  | 59   | 58   | 56   | 64         | 63 | 61  | 61  | 62  | 63   | 63   | 60   | 67         | 66 | 64  | 64  | 65  | 66   | 65   | 63   | 69         | 68 | 66  | 66  | 68  | 68   | 68   | 65   |
|           | 1583                | 5700    | 54         | 53 | 51  | 51  | 53  | 53   | 53   | 50   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 57   | 66         | 64 | 62  | 62  | 64  | 64   | 64   | 62   | 69         | 67 | 65  | 65  | 67  | 67   | 67   | 65   | 71         | 69 | 67  | 67  | 69  | 70   | 69   | 67   |
| 400 x 400 | 388                 | 1400    | 47         | 46 | 44  | 44  | 45  | 46   | 46   | 43   | 54         | 53 | 51  | 51  | 53  | 53   | 53   | 50   | 58         | 57 | 55  | 55  | 57  | 57   | 57   | 54   | 61         | 60 | 58  | 58  | 60  | 60   | 57   | 64   | 62         | 60 | 60  | 62  | 62  | 62   | 60   |      |
|           | 680                 | 2450    | 52         | 51 | 48  | 49  | 50  | 51   | 50   | 48   | 59         | 58 | 56  | 56  | 57  | 58   | 57   | 55   | 63         | 62 | 60  | 60  | 61  | 62   | 62   | 59   | 66         | 65 | 63  | 63  | 64  | 65   | 64   | 62   | 68         | 67 | 65  | 65  | 67  | 67   | 67   | 64   |
|           | 1000                | 3600    | 55         | 54 | 52  | 52  | 53  | 54   | 54   | 51   | 62         | 61 | 59  | 60  | 61  | 61   | 58   | 66   | 65         | 63 | 63  | 65  | 65  | 65   | 62   | 69   | 68         | 66 | 66  | 67  | 68  | 68   | 65   | 72   | 70         | 68 | 68  | 70  | 70  | 68   | 70   | 68   |
|           | 1319                | 4750    | 58         | 56 | 54  | 54  | 56  | 56   | 56   | 54   | 65         | 63 | 61  | 61  | 63  | 63   | 63   | 61   | 69         | 67 | 65  | 65  | 67  | 67   | 67   | 65   | 72         | 70 | 68  | 68  | 70  | 70   | 70   | 68   | 74         | 73 | 70  | 70  | 72  | 73   | 72   | 70   |
|           | 1638                | 5900    | 59         | 58 | 56  | 56  | 57  | 58   | 58   | 55   | 66         | 65 | 63  | 63  | 65  | 65   | 65   | 62   | 71         | 69 | 67  | 67  | 69  | 69   | 69   | 66   | 73         | 72 | 70  | 70  | 72  | 72   | 72   | 69   | 76         | 74 | 72  | 72  | 74  | 74   | 74   | 72   |
| 500 x 400 | 444                 | 1600    | 45         | 44 | 42  | 42  | 44  | 44   | 44   | 41   | 52         | 51 | 49  | 49  | 51  | 51   | 51   | 48   | 57         | 55 | 53  | 53  | 55  | 55   | 55   | 53   | 59         | 58 | 56  | 56  | 58  | 58   | 58   | 55   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 58   |
|           | 791                 | 2850    | 50         | 48 | 46  | 46  | 48  | 48   | 48   | 46   | 57         | 55 | 53  | 53  | 55  | 55   | 55   | 53   | 61         | 59 | 57  | 57  | 59  | 59   | 59   | 57   | 64         | 62 | 60  | 60  | 62  | 62   | 62   | 60   | 66         | 65 | 62  | 62  | 64  | 65   | 64   | 62   |
|           | 1138                | 4100    | 52         | 51 | 49  | 49  | 50  | 51   | 50   | 48   | 59         | 58 | 56  | 56  | 57  | 58   | 58   | 55   | 63         | 62 | 60  | 60  | 61  | 62   | 62   | 59   | 66         | 65 | 63  | 63  | 64  | 65   | 65   | 62   | 68         | 67 | 65  | 65  | 67  | 67   | 67   | 64   |
|           | 1486                | 5350    | 54         | 53 | 50  | 51  | 52  | 53   | 52   | 50   | 61         | 60 | 58  | 58  | 59  | 60   | 59   | 57   | 65         | 64 | 62  | 62  | 63  | 64   | 64   | 61   | 68         | 67 | 65  | 65  | 66  | 67   | 66   | 64   | 70         | 69 | 67  | 67  | 69  | 69   | 69   | 66   |
|           | 1833                | 6600    | 56         | 54 | 52  | 52  | 54  | 54   | 54   | 52   | 63         | 61 | 59  | 59  | 61  | 61   | 61   | 59   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 70         | 68 | 66  | 66  | 68  | 68   | 68   | 66   | 72         | 71 | 68  | 68  | 70  | 71   | 70   | 68   |
| 600 x 400 | 500                 | 1800    | 46         | 45 | 43  | 43  | 44  | 45   | 45   | 42   | 53         | 52 | 50  | 50  | 51  | 52   | 52   | 49   | 57         | 56 | 54  | 54  | 56  | 56   | 56   | 53   | 60         | 59 | 57  | 57  | 58  | 59   | 59   | 56   | 63         | 61 | 59  | 59  | 61  | 61   | 61   | 59   |
|           | 861                 | 3100    | 50         | 49 | 47  | 47  | 48  | 49   | 48   | 46   | 57         | 56 | 54  | 54  | 55  | 56   | 56   | 53   | 61         | 60 | 58  | 58  | 59  | 60   | 60   | 57   | 64         | 63 | 61  | 61  | 62  | 63   | 63   | 60   | 66         | 65 | 63  | 63  | 65  | 65   | 65   | 62   |
|           | 1222                | 4400    | 53         | 51 | 49  | 49  | 51  | 51   | 51   | 49   | 60         | 58 | 56  | 56  | 58  | 58   | 58   | 56   | 64         | 62 | 60  | 60  | 62  | 63   | 62   | 60   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 69         | 68 | 65  | 66  | 67  | 68   | 67   | 65   |
|           | 1583                | 5700    | 54         | 53 | 51  | 51  | 53  | 53   | 53   | 50   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 57   | 66         | 64 | 62  | 62  | 64  | 64   | 64   | 62   | 69         | 67 | 65  | 65  | 67  | 67   | 67   | 65   | 71         | 69 | 67  | 67  | 69  | 70   | 69   | 67   |
|           | 1944                | 7000    | 56         | 55 | 52  | 53  | 54  | 55   | 54   | 52   | 63         | 62 | 59  | 60  | 61  | 62   | 61   | 59   | 67         | 66 | 64  | 64  | 65  | 66   | 65   | 63   | 70         | 69 | 66  | 67  | 68  | 69   | 68   | 66   | 72         | 71 | 69  | 69  | 70  | 71   | 71   | 68   |
| 500 x 500 | 555                 | 2000    | 47         | 46 | 43  | 44  | 45  | 46   | 45   | 43   | 54         | 53 | 51  | 51  | 52  | 53   | 52   | 50   | 58         | 57 | 55  | 55  | 56  | 57   | 57   | 54   | 61         | 60 | 58  | 58  | 59  | 60   | 59   | 57   | 63         | 62 | 60  | 60  | 61  | 62   | 62   | 59   |
|           | 1013                | 3650    | 51         | 50 | 48  | 48  | 49  | 50   | 50   | 47   | 58         | 57 | 55  | 55  | 56  | 57   | 57   | 54   | 62         | 61 | 59  | 59  | 61  | 61   | 61   | 58   | 65         | 64 | 62  | 62  | 64  | 64   | 64   | 61   | 68         | 66 | 64  | 64  | 66  | 66   | 66   | 64   |
|           | 1472                | 5300    | 54         | 53 | 50  | 51  | 52  | 53   | 52   | 50   | 61         | 60 | 57  | 58  | 59  | 60   | 59   | 57   | 65         | 64 | 62  | 62  | 63  | 64   | 63   | 61   | 68         | 67 | 64  | 65  | 66  | 67   | 66   | 64   | 70         | 69 | 67  | 67  | 68  | 69   | 69   | 66   |
|           | 1930                | 6950    | 56         | 55 | 52  | 52  | 54  | 55   | 54   | 52   | 63         | 62 | 59  | 59  | 61  | 62   | 61   | 59   | 67         | 66 | 64  | 64  | 65  | 66   | 65   | 63   | 70         | 69 | 66  | 67  | 68  | 69   | 68   | 66   | 72         | 71 | 69  | 69  | 70  | 71   | 71   | 68   |
|           | 2388                | 8600    | 57         | 56 | 54  | 54  | 56  | 56   | 56   | 53   | 64         | 63 | 61  | 61  | 63  | 63   | 63   | 60   | 69         | 67 | 65  | 65  | 67  | 67   | 67   | 65   | 71         | 70 | 68  | 68  | 70  | 70   | 70   | 67   | 74         | 72 | 70  | 70  | 72  | 72   | 72   | 70   |
| 600 x 500 | 611                 | 2200    | 48         | 46 | 44  | 44  | 46  | 46   | 46   | 44   | 55         | 53 | 51  | 51  | 53  | 53   | 53   | 51   | 59         | 58 | 55  | 55  | 57  | 58   | 57   | 55   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 58   | 64         | 63 | 60  | 61  | 62  | 63   | 62   | 60   |
|           | 1097                | 3950    | 52         | 51 | 48  | 48  | 50  | 51   | 50   | 48   | 59         | 58 | 55  | 55  | 57  | 58   | 57   | 55   | 63         | 62 | 59  | 60  | 61  | 62   | 61   | 59   | 66         | 65 | 62  | 63  | 64  | 65   | 64   | 62   | 68         | 67 | 65  | 65  | 66  | 67   | 67   | 64   |
|           | 1583                | 5700    | 54         | 53 | 51  | 51  | 53  | 53   | 53   | 50   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 57   | 66         | 64 | 62  | 62  | 64  | 64   | 64   | 62   | 69         | 67 | 65  | 65  | 67  | 67   | 67   | 65   | 71         | 69 | 67  | 67  | 69  | 70   | 69   |      |





### Tabelle B

| RCQK      | Geräuschentwicklung |         | p = 100 Pa |    |     |     |     |      |      |      | p = 200 Pa |    |     |     |     |      |      |      | p = 300 Pa |    |     |     |     |      |      |      | p = 400 Pa |    |     |     |     |      |      |      | p = 500 Pa |    |     |     |     |      |      |      |      |    |    |    |    |    |    |    |
|-----------|---------------------|---------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------|----|----|----|----|----|----|----|
|           | Größe               | Q [l/s] | Q [m³/h]   | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |    |    |    |    |    |    |    |
| 400 x 300 | 333                 | 1200    | 38         | 37 | 35  | 35  | 36  | 37   | 36   | 34   | 45         | 44 | 42  | 42  | 43  | 44   | 44   | 41   | 49         | 48 | 46  | 46  | 47  | 48   | 48   | 45   | 52         | 51 | 49  | 49  | 50  | 51   | 51   | 48   | 55         | 53 | 51  | 51  | 53  | 53   | 53   | 51   |      |    |    |    |    |    |    |    |
|           | 563                 | 2025    | 44         | 43 | 41  | 41  | 42  | 43   | 42   | 40   | 51         | 50 | 48  | 48  | 49  | 50   | 49   | 47   | 55         | 54 | 52  | 52  | 53  | 54   | 53   | 51   | 59         | 58 | 56  | 56  | 57  | 58   | 57   | 55   | 62         | 61 | 59  | 59  | 60  | 61   | 60   | 58   | 64   | 63 | 61 | 61 | 62 | 63 | 63 | 60 |
|           | 792                 | 2850    | 48         | 47 | 44  | 44  | 46  | 47   | 46   | 44   | 55         | 54 | 51  | 52  | 53  | 54   | 53   | 51   | 59         | 58 | 56  | 56  | 57  | 58   | 57   | 55   | 62         | 61 | 59  | 59  | 60  | 61   | 60   | 58   | 65         | 64 | 61  | 62  | 63  | 64   | 63   | 61   | 67   | 66 | 64 | 64 | 65 | 66 | 66 | 63 |
|           | 1021                | 3675    | 51         | 49 | 47  | 47  | 49  | 50   | 49   | 47   | 58         | 57 | 54  | 54  | 56  | 57   | 56   | 54   | 62         | 61 | 58  | 59  | 60  | 61   | 60   | 58   | 65         | 64 | 61  | 62  | 63  | 64   | 63   | 61   | 67         | 66 | 64  | 64  | 65  | 66   | 66   | 63   | 70   | 68 | 66 | 66 | 68 | 68 | 66 | 66 |
|           | 1250                | 4500    | 53         | 52 | 50  | 50  | 51  | 52   | 51   | 49   | 60         | 59 | 57  | 57  | 58  | 59   | 59   | 56   | 64         | 63 | 61  | 61  | 62  | 63   | 63   | 60   | 67         | 66 | 64  | 64  | 65  | 66   | 66   | 63   | 70         | 68 | 66  | 66  | 68  | 68   | 66   | 63   | 70   | 68 | 66 | 66 | 68 | 68 | 66 | 66 |
| 500 x 300 | 375                 | 1350    | 47         | 46 | 44  | 44  | 45  | 46   | 46   | 43   | 54         | 53 | 51  | 51  | 52  | 53   | 53   | 50   | 58         | 57 | 55  | 55  | 57  | 57   | 57   | 54   | 61         | 60 | 58  | 58  | 59  | 60   | 60   | 57   | 64         | 62 | 60  | 60  | 62  | 62   | 62   | 60   | 64   | 62 | 60 | 60 | 62 | 62 | 60 |    |
|           | 667                 | 2400    | 52         | 51 | 49  | 49  | 51  | 51   | 51   | 48   | 59         | 58 | 56  | 56  | 58  | 58   | 58   | 55   | 64         | 62 | 60  | 60  | 62  | 62   | 62   | 60   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 69         | 67 | 65  | 65  | 67  | 68   | 67   | 65   | 72   | 71 | 69 | 69 | 70 | 71 | 70 | 68 |
|           | 958                 | 3450    | 56         | 54 | 52  | 52  | 54  | 54   | 54   | 52   | 63         | 61 | 59  | 59  | 61  | 61   | 61   | 59   | 67         | 66 | 63  | 63  | 65  | 66   | 65   | 63   | 70         | 68 | 66  | 66  | 68  | 69   | 68   | 66   | 72         | 71 | 69  | 69  | 70  | 71   | 70   | 68   | 74   | 73 | 71 | 71 | 73 | 73 | 73 | 70 |
|           | 1250                | 4500    | 58         | 57 | 55  | 55  | 56  | 57   | 56   | 54   | 65         | 64 | 62  | 62  | 63  | 64   | 64   | 61   | 69         | 68 | 66  | 66  | 67  | 68   | 68   | 65   | 72         | 71 | 69  | 69  | 70  | 71   | 71   | 68   | 74         | 73 | 71  | 71  | 73  | 73   | 73   | 70   | 74   | 73 | 71 | 71 | 73 | 73 | 73 | 70 |
|           | 1542                | 5550    | 60         | 59 | 56  | 57  | 58  | 59   | 58   | 56   | 67         | 66 | 63  | 64  | 65  | 66   | 65   | 63   | 71         | 70 | 68  | 68  | 69  | 70   | 70   | 67   | 74         | 73 | 71  | 71  | 72  | 73   | 72   | 70   | 76         | 75 | 73  | 73  | 75  | 75   | 75   | 72   | 76   | 75 | 73 | 73 | 75 | 75 | 75 | 72 |
| 600 x 300 | 431                 | 1550    | 46         | 44 | 42  | 42  | 44  | 44   | 44   | 42   | 53         | 51 | 49  | 49  | 51  | 51   | 51   | 49   | 57         | 56 | 53  | 53  | 55  | 56   | 55   | 53   | 60         | 58 | 56  | 56  | 58  | 58   | 58   | 56   | 62         | 61 | 58  | 59  | 60  | 61   | 60   | 58   | 62   | 61 | 58 | 59 | 60 | 61 | 60 | 58 |
|           | 719                 | 2590    | 49         | 48 | 46  | 46  | 47  | 48   | 48   | 45   | 56         | 55 | 53  | 53  | 55  | 55   | 55   | 52   | 61         | 59 | 57  | 57  | 59  | 59   | 59   | 56   | 63         | 62 | 60  | 60  | 62  | 62   | 62   | 59   | 66         | 64 | 62  | 62  | 64  | 64   | 64   | 62   | 68   | 67 | 65 | 65 | 66 | 67 | 66 | 64 |
|           | 1007                | 3625    | 52         | 50 | 48  | 48  | 50  | 50   | 50   | 48   | 59         | 57 | 55  | 55  | 57  | 58   | 57   | 55   | 63         | 62 | 59  | 59  | 61  | 62   | 61   | 59   | 66         | 64 | 62  | 62  | 64  | 65   | 64   | 62   | 68         | 67 | 65  | 65  | 66  | 67   | 66   | 64   | 68   | 67 | 65 | 65 | 66 | 67 | 66 | 64 |
|           | 1294                | 4660    | 54         | 52 | 50  | 50  | 52  | 52   | 52   | 50   | 61         | 59 | 57  | 57  | 59  | 59   | 59   | 57   | 65         | 63 | 61  | 61  | 63  | 63   | 63   | 61   | 68         | 66 | 64  | 64  | 66  | 66   | 66   | 64   | 70         | 69 | 66  | 66  | 68  | 69   | 68   | 66   | 70   | 69 | 66 | 66 | 68 | 69 | 68 | 66 |
|           | 1583                | 5700    | 55         | 54 | 51  | 52  | 53  | 54   | 53   | 51   | 62         | 61 | 58  | 59  | 60  | 61   | 60   | 58   | 66         | 65 | 63  | 63  | 64  | 65   | 64   | 62   | 69         | 68 | 66  | 66  | 67  | 68   | 67   | 65   | 71         | 70 | 68  | 68  | 69  | 70   | 70   | 67   | 71   | 70 | 68 | 68 | 69 | 70 | 70 | 67 |
| 400 x 400 | 389                 | 1400    | 48         | 46 | 44  | 44  | 46  | 47   | 46   | 44   | 55         | 54 | 51  | 51  | 53  | 54   | 53   | 51   | 59         | 58 | 55  | 56  | 57  | 58   | 57   | 55   | 62         | 61 | 58  | 58  | 60  | 61   | 60   | 58   | 64         | 63 | 61  | 61  | 62  | 63   | 63   | 60   | 64   | 63 | 61 | 61 | 62 | 63 | 63 | 60 |
|           | 681                 | 2450    | 52         | 51 | 49  | 49  | 51  | 51   | 51   | 48   | 60         | 58 | 56  | 56  | 58  | 58   | 58   | 56   | 64         | 62 | 60  | 60  | 62  | 62   | 62   | 60   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 69         | 68 | 65  | 65  | 67  | 68   | 67   | 65   | 72   | 71 | 69 | 69 | 70 | 71 | 70 | 68 |
|           | 1000                | 3600    | 56         | 54 | 52  | 52  | 54  | 54   | 54   | 52   | 63         | 61 | 59  | 59  | 61  | 61   | 61   | 59   | 67         | 66 | 63  | 63  | 65  | 66   | 65   | 63   | 70         | 68 | 66  | 66  | 68  | 69   | 68   | 66   | 72         | 71 | 69  | 69  | 70  | 71   | 70   | 68   | 74   | 73 | 71 | 71 | 73 | 73 | 73 | 70 |
|           | 1319                | 4750    | 58         | 57 | 54  | 55  | 56  | 57   | 56   | 54   | 65         | 64 | 62  | 62  | 63  | 64   | 63   | 61   | 69         | 68 | 66  | 66  | 67  | 68   | 68   | 65   | 72         | 71 | 69  | 69  | 70  | 71   | 70   | 68   | 74         | 73 | 71  | 71  | 73  | 73   | 73   | 70   | 74   | 73 | 71 | 71 | 73 | 73 | 73 | 70 |
|           | 1639                | 5900    | 60         | 59 | 56  | 56  | 58  | 59   | 58   | 56   | 67         | 66 | 63  | 63  | 65  | 66   | 65   | 63   | 71         | 70 | 67  | 68  | 69  | 70   | 69   | 67   | 74         | 73 | 70  | 71  | 72  | 73   | 72   | 70   | 76         | 75 | 73  | 73  | 74  | 75   | 75   | 72   | 76   | 75 | 73 | 73 | 74 | 75 | 75 | 72 |
| 500 x 400 | 444                 | 1600    | 46         | 45 | 42  | 42  | 44  | 45   | 44   | 42   | 53         | 52 | 49  | 50  | 51  | 52   | 51   | 49   | 57         | 56 | 54  | 54  | 55  | 56   | 55   | 53   | 60         | 59 | 56  | 57  | 58  | 59   | 58   | 56   | 62         | 61 | 59  | 59  | 60  | 61   | 61   | 58   | 66   | 65 | 63 | 63 | 65 | 65 | 65 | 62 |
|           | 792                 | 2850    | 50         | 49 | 46  | 47  | 48  | 49   | 48   | 46   | 57         | 56 | 54  | 54  | 55  | 56   | 55   | 53   | 61         | 60 | 58  | 58  | 59  | 60   | 60   | 57   | 64         | 63 | 61  | 61  | 62  | 63   | 62   | 60   | 66         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 69   | 68 | 65 | 66 | 67 | 68 | 67 | 65 |
|           | 1139                | 4100    | 53         | 51 | 49  | 49  | 51  | 51   | 51   | 49   | 60         | 58 | 56  | 56  | 58  | 58   | 58   | 56   | 64         | 62 | 60  | 60  | 62  | 62   | 62   | 60   | 67         | 65 | 63  | 63  | 65  | 65   | 65   | 63   | 69         | 68 | 65  | 66  | 67  | 68   | 67   | 65   | 71   | 70 | 67 | 67 | 69 | 70 | 69 | 67 |
|           | 1486                | 5350    | 55         | 53 | 51  | 51  | 53  | 53   | 53   | 51   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 58   | 66         | 64 | 62  | 62  | 64  | 64   | 64   | 62   | 69         | 67 | 65  | 65  | 67  | 67   | 67   | 65   | 71         | 70 | 67  | 67  | 69  | 70   | 69   | 67   | 71   | 70 | 67 | 67 | 69 | 70 | 69 | 67 |
|           | 1833                | 6600    | 56         | 55 | 52  | 53  | 54  | 55   | 54   | 52   | 63         | 62 | 60  | 60  | 61  | 62   | 61   | 59   | 67         | 66 | 64  | 64  | 65  | 66   | 66   | 63   | 70         | 69 | 67  | 67  | 68  | 69   | 68   | 66   | 72         | 71 | 69  | 69  | 71  | 71   | 71   | 68   | 72   | 71 | 69 | 69 | 71 | 71 | 71 | 68 |
| 600 x 400 | 500                 | 1800    | 47         | 45 | 43  | 43  | 45  | 45   | 43   | 43   | 54         | 52 | 50  | 50  | 52  | 53   | 52   | 50   | 58         | 57 | 54  | 54  | 56  | 57   | 56   | 54   | 61         | 60 | 57  | 57  | 59  | 60   | 59   | 57   | 63         | 62 | 60  | 60  | 61  | 62   | 61   | 59   | 63   | 62 | 60 | 60 | 61 | 62 | 61 | 59 |
|           | 861                 | 3100    | 51         | 49 | 47  | 47  | 49  | 49   | 49   | 47   | 58         | 56 | 54  | 54  | 56  | 56   | 56   | 54   | 62         | 60 | 58  | 58  | 60  | 61   | 60   | 58   | 65         | 63 | 61  | 61  | 63  | 63   | 63   | 61   | 67         | 66 | 63  | 64  | 65  | 66   | 65   | 63   | 67   | 66 | 63 | 64 | 65 | 66 | 65 | 63 |
|           | 1222                | 4400    | 53         | 52 | 50  | 50  | 51  | 52   | 51   | 49   | 60         | 59 | 57  | 57  | 58  | 59   | 59   | 56   | 64         | 63 | 61  | 61  | 62  | 63   | 63   | 60   | 67         | 66 | 64  | 64  | 65  | 66   | 66   | 63   | 69         | 68 | 66  | 66  | 68  | 68   | 68   | 65   | 70   | 69 | 66 | 66 | 68 | 68 | 68 | 65 |
|           | 1583                | 5700    | 55         | 54 | 51  | 52  | 53  | 54   | 53   | 51   | 62         | 61 | 58  | 59  | 60  | 61   | 60   | 58   | 66         | 65 | 63  | 63  | 64  | 65   | 64   | 62   | 69         | 68 | 66  | 66  | 67  | 68   | 67   | 65   | 71         | 70 | 68  | 68  | 69  | 70   | 70   | 67   | 71   | 70 | 68 | 68 | 69 | 70 | 70 | 67 |
|           | 1944                | 7000    | 56         | 55 | 53  | 53  | 55  | 55   | 55   | 52   | 63         | 62 | 60  | 60  | 62  | 62   | 62   | 59   | 68         | 66 | 64  | 64  | 66  | 66   | 66   | 64   | 71         | 69 | 67  | 67  | 69  | 69   | 69   | 67   | 73         | 71 | 69  | 69  | 71  | 71   | 71   | 69   | 73   | 71 | 69 | 69 | 71 | 71 | 71 | 69 |
| 500 x 500 | 556                 | 2000    | 48         | 46 | 44  | 44  | 46  | 46   | 46   | 43   | 55         | 53 | 51  | 51  | 53  | 53   | 53   | 51   | 59         | 57 | 55  | 55  | 57  | 57   | 57   | 55   | 62         | 60 | 58  | 58  | 60  | 60   | 60   | 58   | 64         | 63 | 60  | 60  | 62  | 63   | 62   | 60   | 64   | 63 | 60 | 60 | 62 | 63 | 62 | 60 |
|           | 1014                | 3650    | 52         | 50 | 48  | 48  | 50  | 51   | 50   | 48   | 59         | 58 | 55  | 55  | 57  | 58   | 57   | 55   | 63         | 62 | 59  | 60  | 61  | 62   | 61   | 59   | 66         | 65 | 62  | 62  | 64  | 65   | 64   | 62   | 68         | 67 | 65  | 65  | 66  | 67   | 67   | 64   | 68   | 67 | 65 | 65 | 66 | 67 | 6  |    |



### Tabelle B

| RCQK      | Geräuschentwicklung |         | p = 600 Pa |    |     |     |     |      |      |      | p = 700 Pa |    |     |     |     |      |      |      | p = 800 Pa |    |     |     |     |      |      |      | p = 900 Pa |    |     |     |     |      |      |      | p = 1000 Pa |    |     |     |     |      |      |      |      |
|-----------|---------------------|---------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|------------|----|-----|-----|-----|------|------|------|-------------|----|-----|-----|-----|------|------|------|------|
|           | Größe               | Q [l/s] | Q [m³/h]   | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000       | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 400 x 300 | 333                 | 1200    |            | 56 | 55  | 53  | 53  | 55   | 55   | 55   | 52         | 58 | 57  | 54  | 55  | 56   | 57   | 56   | 54         | 59 | 58  | 56  | 56  | 57   | 58   | 58   | 55         | 61 | 59  | 57  | 57  | 59   | 59   | 59   | 57          | 62 | 60  | 58  | 58  | 60   | 60   | 60   | 58   |
|           | 563                 | 2025    |            | 62 | 61  | 59  | 59  | 60   | 61   | 61   | 58         | 64 | 63  | 60  | 60  | 62   | 63   | 62   | 60         | 65 | 64  | 62  | 62  | 63   | 64   | 64   | 61         | 66 | 65  | 63  | 63  | 65   | 65   | 65   | 62          | 68 | 66  | 64  | 64  | 66   | 66   | 66   | 64   |
|           | 792                 | 2850    |            | 66 | 65  | 63  | 63  | 64   | 65   | 65   | 62         | 68 | 66  | 64  | 64  | 66   | 66   | 66   | 64         | 69 | 68  | 66  | 66  | 67   | 68   | 68   | 65         | 70 | 69  | 67  | 67  | 68   | 69   | 69   | 66          | 71 | 70  | 68  | 68  | 70   | 70   | 70   | 67   |
|           | 1021                | 3675    |            | 69 | 68  | 66  | 66  | 67   | 68   | 67   | 65         | 71 | 69  | 67  | 67  | 69   | 69   | 69   | 67         | 72 | 71  | 68  | 69  | 70   | 71   | 70   | 68         | 73 | 72  | 70  | 70  | 71   | 72   | 72   | 69          | 74 | 73  | 71  | 71  | 72   | 73   | 73   | 70   |
|           | 1250                | 4500    |            | 71 | 70  | 68  | 68  | 70   | 70   | 70   | 67         | 73 | 72  | 69  | 70  | 71   | 72   | 71   | 69         | 74 | 73  | 71  | 71  | 72   | 73   | 73   | 70         | 76 | 74  | 72  | 72  | 74   | 74   | 74   | 72          | 77 | 75  | 73  | 73  | 75   | 75   | 75   | 73   |
| 500 x 300 | 375                 | 1350    |            | 65 | 64  | 62  | 62  | 64   | 64   | 61   | 67         | 66 | 63  | 64  | 65  | 66   | 65   | 63   | 68         | 67 | 65  | 65  | 67  | 67   | 67   | 64   | 70         | 68 | 66  | 66  | 68  | 68   | 66   | 71   | 69          | 67 | 67  | 69  | 69  | 69   | 67   |      |      |
|           | 667                 | 2400    |            | 71 | 69  | 67  | 67  | 69   | 69   | 67   | 72         | 71 | 69  | 69  | 70  | 71   | 71   | 68   | 74         | 72 | 70  | 70  | 72  | 72   | 72   | 70   | 75         | 73 | 71  | 71  | 73  | 73   | 73   | 71   | 76          | 75 | 72  | 72  | 74  | 75   | 74   | 72   |      |
|           | 958                 | 3450    |            | 74 | 73  | 70  | 70  | 72   | 73   | 72   | 70         | 75 | 74  | 72  | 72  | 74   | 74   | 71   | 77         | 76 | 73  | 73  | 75  | 76   | 75   | 73   | 78         | 77 | 75  | 75  | 76  | 77   | 76   | 74   | 79          | 78 | 76  | 76  | 77  | 78   | 77   | 75   |      |
|           | 1250                | 4500    |            | 76 | 75  | 73  | 73  | 74   | 75   | 75   | 72         | 78 | 77  | 74  | 74  | 76   | 77   | 76   | 74         | 79 | 78  | 76  | 76  | 77   | 78   | 78   | 75         | 80 | 79  | 77  | 77  | 79   | 79   | 79   | 76          | 82 | 80  | 78  | 78  | 80   | 80   | 80   | 78   |
|           | 1542                | 5550    |            | 78 | 77  | 75  | 75  | 76   | 77   | 77   | 74         | 80 | 78  | 76  | 76  | 78   | 79   | 78   | 76         | 81 | 80  | 78  | 78  | 79   | 80   | 80   | 77         | 82 | 81  | 79  | 79  | 80   | 81   | 81   | 78          | 83 | 82  | 80  | 80  | 82   | 82   | 82   | 79   |
| 600 x 300 | 431                 | 1550    |            | 64 | 63  | 60  | 60  | 62   | 63   | 60   | 65         | 64 | 62  | 62  | 64  | 64   | 61   | 67   | 65         | 63 | 63  | 65  | 66  | 65   | 63   | 68   | 67         | 64 | 65  | 66  | 67  | 66   | 64   | 69   | 68          | 66 | 66  | 67  | 68  | 67   | 65   |      |      |
|           | 719                 | 2590    |            | 68 | 66  | 64  | 64  | 66   | 66   | 64   | 69         | 68 | 66  | 66  | 67  | 68   | 65   | 65   | 70         | 69 | 67  | 67  | 69  | 69   | 66   | 72   | 70         | 68 | 68  | 70  | 70  | 70   | 68   | 73   | 71          | 69 | 69  | 71  | 71  | 71   | 69   |      |      |
|           | 1007                | 3625    |            | 70 | 69  | 66  | 67  | 68   | 69   | 68   | 66         | 72 | 70  | 68  | 68  | 70   | 70   | 67   | 73         | 72 | 69  | 69  | 71  | 72   | 71   | 69   | 74         | 73 | 71  | 71  | 72  | 73   | 72   | 70   | 75          | 74 | 72  | 72  | 73  | 74   | 73   | 71   |      |
|           | 1294                | 4660    |            | 72 | 70  | 68  | 68  | 70   | 70   | 68   | 73         | 72 | 70  | 70  | 71  | 72   | 72   | 69   | 75         | 73 | 71  | 71  | 73  | 73   | 73   | 71   | 76         | 75 | 72  | 72  | 74  | 75   | 74   | 72   | 77          | 76 | 73  | 73  | 75  | 76   | 75   | 73   |      |
|           | 1583                | 5700    |            | 73 | 72  | 70  | 70  | 71   | 72   | 72   | 69         | 75 | 73  | 71  | 71  | 73   | 73   | 71   | 76         | 75 | 73  | 73  | 74  | 75   | 74   | 72   | 77         | 76 | 74  | 74  | 75  | 76   | 76   | 73   | 78          | 77 | 75  | 75  | 76  | 77   | 77   | 74   |      |
| 400 x 400 | 389                 | 1400    |            | 66 | 65  | 63  | 63  | 64   | 65   | 64   | 62         | 68 | 66  | 64  | 64  | 66   | 66   | 64   | 69         | 68 | 65  | 66  | 67  | 68   | 67   | 65   | 70         | 69 | 67  | 67  | 68  | 69   | 66   | 71   | 70          | 68 | 68  | 69  | 70  | 70   | 67   |      |      |
|           | 681                 | 2450    |            | 71 | 69  | 67  | 67  | 69   | 69   | 67   | 72         | 71 | 69  | 69  | 70  | 71   | 71   | 68   | 74         | 72 | 70  | 70  | 72  | 72   | 72   | 70   | 75         | 74 | 71  | 71  | 73  | 74   | 73   | 71   | 76          | 75 | 72  | 72  | 74  | 75   | 74   | 72   |      |
|           | 1000                | 3600    |            | 74 | 73  | 70  | 71  | 72   | 73   | 72   | 70         | 75 | 74  | 72  | 72  | 74   | 74   | 71   | 77         | 76 | 73  | 73  | 75  | 76   | 75   | 73   | 78         | 77 | 75  | 75  | 76  | 77   | 76   | 74   | 79          | 78 | 76  | 76  | 77  | 78   | 77   | 75   |      |
|           | 1319                | 4750    |            | 76 | 75  | 73  | 73  | 74   | 75   | 75   | 72         | 78 | 76  | 74  | 74  | 76   | 77   | 76   | 74         | 79 | 78  | 76  | 76  | 77   | 78   | 78   | 75         | 80 | 79  | 77  | 77  | 79   | 79   | 79   | 76          | 81 | 80  | 78  | 78  | 80   | 80   | 80   | 77   |
|           | 1639                | 5900    |            | 78 | 77  | 75  | 75  | 76   | 77   | 76   | 74         | 80 | 78  | 76  | 76  | 78   | 78   | 76   | 81         | 80 | 77  | 78  | 79  | 80   | 79   | 77   | 82         | 81 | 79  | 79  | 80  | 81   | 81   | 78   | 83          | 82 | 80  | 80  | 81  | 82   | 82   | 79   |      |
| 500 x 400 | 444                 | 1600    |            | 64 | 63  | 61  | 61  | 62   | 63   | 60   | 66         | 64 | 62  | 62  | 64  | 64   | 62   | 67   | 66         | 63 | 64  | 65  | 66  | 65   | 63   | 68   | 67         | 65 | 65  | 66  | 67  | 67   | 64   | 69   | 68          | 66 | 66  | 67  | 68  | 68   | 65   |      |      |
|           | 792                 | 2850    |            | 68 | 67  | 65  | 65  | 66   | 67   | 64   | 70         | 68 | 66  | 66  | 68  | 69   | 68   | 66   | 71         | 70 | 68  | 68  | 69  | 70   | 70   | 67   | 72         | 71 | 69  | 69  | 70  | 71   | 71   | 68   | 73          | 72 | 70  | 70  | 72  | 72   | 72   | 69   |      |
|           | 1139                | 4100    |            | 71 | 69  | 67  | 67  | 69   | 70   | 69   | 67         | 72 | 71  | 69  | 69  | 71   | 71   | 68   | 74         | 72 | 70  | 70  | 72  | 72   | 72   | 70   | 75         | 74 | 71  | 72  | 73  | 74   | 73   | 71   | 76          | 75 | 72  | 73  | 74  | 75   | 74   | 72   |      |
|           | 1486                | 5350    |            | 73 | 71  | 69  | 69  | 71   | 71   | 71   | 69         | 74 | 73  | 71  | 71  | 72   | 73   | 73   | 70         | 76 | 74  | 72  | 72  | 74   | 74   | 72   | 77         | 76 | 73  | 73  | 75  | 76   | 75   | 73   | 78          | 77 | 74  | 74  | 76  | 77   | 76   | 74   |      |
|           | 1833                | 6600    |            | 74 | 73  | 71  | 71  | 72   | 73   | 73   | 70         | 76 | 74  | 72  | 72  | 74   | 74   | 72   | 77         | 76 | 74  | 74  | 75  | 76   | 75   | 73   | 78         | 77 | 75  | 75  | 76  | 77   | 77   | 74   | 79          | 78 | 76  | 76  | 78  | 78   | 78   | 75   |      |
| 600 x 400 | 500                 | 1800    |            | 65 | 64  | 61  | 62  | 63   | 64   | 63   | 61         | 67 | 65  | 63  | 63  | 65   | 65   | 63   | 68         | 67 | 64  | 64  | 66  | 67   | 66   | 64   | 69         | 68 | 66  | 66  | 67  | 68   | 67   | 65   | 70          | 69 | 67  | 67  | 68  | 69   | 69   | 66   |      |
|           | 861                 | 3100    |            | 69 | 68  | 65  | 65  | 67   | 68   | 67   | 65         | 70 | 69  | 67  | 67  | 69   | 69   | 66   | 72         | 70 | 68  | 68  | 70  | 70   | 68   | 73   | 72         | 69 | 70  | 71  | 72  | 71   | 69   | 74   | 73          | 70 | 71  | 72  | 73  | 72   | 70   |      |      |
|           | 1222                | 4400    |            | 71 | 70  | 68  | 68  | 69   | 70   | 67   | 67         | 73 | 72  | 69  | 69  | 71   | 72   | 71   | 69         | 74 | 73  | 71  | 71  | 72   | 73   | 73   | 70         | 75 | 74  | 72  | 72  | 74   | 74   | 74   | 71          | 77 | 75  | 73  | 73  | 75   | 75   | 75   | 73   |
|           | 1583                | 5700    |            | 73 | 72  | 70  | 70  | 71   | 72   | 72   | 69         | 75 | 73  | 71  | 71  | 73   | 73   | 71   | 71         | 76 | 75  | 73  | 73  | 74   | 75   | 74   | 72         | 77 | 76  | 74  | 74  | 75   | 76   | 76   | 73          | 78 | 77  | 75  | 75  | 76   | 77   | 77   | 74   |
|           | 1944                | 7000    |            | 75 | 73  | 71  | 71  | 73   | 73   | 73   | 71         | 76 | 75  | 73  | 73  | 74   | 75   | 75   | 72         | 78 | 76  | 74  | 74  | 76   | 76   | 74   | 79         | 77 | 75  | 75  | 77  | 77   | 77   | 75   | 80          | 78 | 76  | 76  | 78  | 79   | 78   | 76   |      |
| 500 x 500 | 556                 | 2000    |            | 66 | 64  | 62  | 62  | 64   | 64   | 62   | 67         | 66 | 64  | 64  | 65  | 66   | 66   | 63   | 69         | 67 | 65  | 65  | 67  | 67   | 65   | 70   | 68         | 66 | 66  | 68  | 69  | 68   | 66   | 71   | 70          | 67 | 67  | 69  | 70  | 69   | 67   |      |      |
|           | 1014                | 3650    |            | 70 | 69  | 66  | 67  | 68   | 69   | 68   | 66         | 72 | 70  | 68  | 68  | 70   | 70   | 68   | 73         | 72 | 69  | 69  | 71  | 72   | 71   | 69   | 74         | 73 | 71  | 71  | 72  | 73   | 72   | 70   | 75          | 74 | 72  | 72  | 73  | 74   | 74   | 71   |      |
|           | 1472                | 5300    |            | 73 | 71  | 69  | 69  | 71   | 71   | 69   | 69         | 74 | 73  | 71  | 71  | 72   | 73   | 73   | 70         | 76 | 74  | 72  | 72  | 74   | 74   | 72   | 77         | 75 | 73  | 73  | 75  | 75   | 75   | 73   | 78          | 77 | 74  | 74  | 76  | 77   | 76   | 74   |      |
|           | 1931                | 6950    |            | 75 | 73  | 71  | 71  | 73   | 73   | 73   | 71         | 76 | 75  | 73  | 73  | 74   | 75   | 75   | 72         | 78 | 76  | 74  | 74  | 76   | 76   | 73   | 79         | 77 | 75  | 75  | 77  | 77   | 77   | 75   | 80          | 78 | 76  | 76  | 78  | 78   | 78   | 76   |      |
|           | 2389                | 8600    |            | 76 | 75  | 73  | 73  | 74   | 75   | 74   | 72         | 78 | 76  | 74  | 74  | 76   | 76   | 74   | 74         | 79 | 78  | 75  | 76  | 77   | 78   | 77   | 75         | 80 | 79  | 77  | 77  | 79   | 79   | 79   | 76          | 81 | 80  | 78  | 78  | 79   | 80   | 80   | 77   |
| 600 x 500 | 611                 | 2200    |            | 66 | 65  | 63  | 63  | 65   | 65   | 62   | 68         | 67 | 64  | 65  | 66  | 67   | 66   | 64   | 69         | 68 | 66  | 66  | 67  | 68   | 68   | 65   | 71         | 69 | 67  | 67  | 69  | 69   | 66   | 72   | 70          | 68 | 68  | 70  | 70  | 70   | 68   |      |      |
|           | 1097                | 3950    |            | 71 | 69  | 67  | 67  | 69   | 69   | 67   | 72         | 71 | 69  | 69  | 70  | 71   | 70   | 68   | 73         | 72 | 70  | 70  | 72  | 72   | 72   | 69   | 75         | 73 | 71  | 71  | 73  | 73   | 73   | 71   | 76          | 74 | 72  | 72  | 74  | 74   | 74   | 72   |      |
|           | 1583                | 5700    |            | 73 | 72  | 70  | 70  | 71   | 72   | 72   | 69         | 75 | 73  | 71  | 71  | 73   | 73   | 71   | 71         | 76 | 75  | 73  | 73  | 74   | 75   | 74   | 72         | 77 | 76  | 74  | 74  | 75   | 76   | 7    |             |    |     |     |     |      |      |      |      |



### Tabelle C

| RCQK      | Geräuschabstrahlung |         | p = 100 Pa             |                         |                         |                         |                         |                         | p = 200 Pa              |                         |                         |    |     |                         | p = 300 Pa              |                         |                         |                         |                         |                         | p = 400 Pa              |                         |                         |                         |      |      | p = 500 Pa              |                         |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |           |     |     |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |           |     |     |                         |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |           |     |     |                         |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |           |     |     |                         |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |           |     |     |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |      |      |                         |                         |                         |                         |                         |           |     |     |                         |                         |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |           |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |      |      |                         |                         |                         |                         |                         |           |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |     |      |                         |                         |                         |                         |                         |      |      |                         |                         |                         |                         |                         |      |      |                         |                         |                         |                         |                         |
|-----------|---------------------|---------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------|-----|-----|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|------|-------------------------|-------------------------|-------------------------|-------------------------|------------------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|           | Größe               | Q [l/s] | Q [m³/h]               | 63                      | 125                     | 250                     | 500                     | 1000                    | 2000                    | 4000                    | 8000                    | 63 | 125 | 250                     | 500                     | 1000                    | 2000                    | 4000                    | 8000                    | 63                      | 125                     | 250                     | 500                     | 1000                    | 2000 | 4000 | 8000                    | 63                      | 125                     | 250                     | 500                     | 1000                    | 2000                    | 4000                    | 8000                    | 63                      | 125 | 250 | 500                     | 1000                    | 2000                    | 4000                    | 8000                    |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |           |     |     |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |     |     |                         |                         |                         |                         |                         |                         |                         |               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|                         |      |      |                         |                         |                         |                         |                         |
| 200 x 100 | 47                  | 170     | 19 17 15 15 17 17 17 < | 26 24 22 22 24 24 24 22 | 30 28 26 26 28 28 28 26 | 32 31 29 29 31 31 31 28 | 35 33 31 31 33 33 33 31 | 38 37 35 35 37 37 37 35 | 41 40 37 37 39 40 39 37 | 43 41 39 39 41 41 41 39 | 44 43 41 41 42 43 43 40 | 72 | 260 | 22 21 18 19 20 21 20 18 | 29 27 25 25 27 27 27 25 | 33 31 29 29 31 32 31 29 | 36 34 32 32 34 34 34 32 | 39 38 36 36 37 38 38 35 | 41 40 38 38 40 40 40 38 | 44 43 40 41 42 43 42 40 | 46 45 42 42 44 44 44 42 | 47 46 44 44 45 46 46 43 | 49 48 45 45 47 48 47 45 | 51 50 48 48 49 50 49 47 | 117  | 420  | 26 24 22 22 24 24 24 22 | 32 31 29 29 31 31 31 28 | 36 35 33 33 35 35 35 32 | 39 38 36 36 37 38 38 35 | 41 40 38 38 40 40 40 38 | 44 43 40 41 42 43 42 40 | 46 45 42 42 44 44 44 42 | 47 46 44 44 45 46 46 43 | 49 48 45 45 47 48 47 45 | 51 50 48 48 49 50 49 47 | 161 | 580 | 28 27 25 25 26 27 26 24 | 35 34 31 31 33 34 33 31 | 39 38 35 35 37 38 37 35 | 42 40 38 38 40 40 40 38 | 44 43 40 41 42 43 42 40 | 46 45 42 42 44 44 44 42 | 47 46 44 44 45 46 46 43 | 49 48 45 45 47 48 47 45 | 51 50 48 48 49 50 49 47 | 206 | 740 | 30 29 26 27 28 29 28 26 | 37 35 33 33 35 35 35 33 | 41 39 37 37 39 39 39 37 | 44 42 40 40 42 42 42 40 | 46 45 42 42 44 44 44 42 | 47 46 44 44 45 46 46 43 | 49 48 45 45 47 48 47 45 | 51 50 48 48 49 50 49 47 | 250 | 900 | 31 30 28 28 30 30 30 27 | 38 37 35 35 36 37 37 34 | 42 41 39 39 40 41 41 38 | 45 44 42 42 43 44 43 41 | 47 46 44 44 45 46 46 43 | 49 48 45 45 47 48 47 45 | 51 50 48 48 49 50 49 47 | 300 x 100 | 104 | 375 | 25 23 21 21 23 23 23 21 | 32 30 28 28 30 30 30 28 | 36 34 32 32 34 34 34 32 | 38 37 35 35 37 37 37 34 | 41 39 37 37 39 39 39 37 | 43 41 39 39 41 41 41 39 | 45 44 41 41 43 44 43 41 | 48 46 44 44 46 46 46 44 | 50 48 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 181 | 650 | 29 28 25 26 27 28 27 25 | 36 34 32 32 34 35 34 32 | 40 38 36 36 38 39 38 36 | 43 41 39 39 41 41 41 39 | 45 44 41 41 43 44 43 41 | 48 46 44 44 46 46 46 44 | 50 48 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 257 | 925 | 32 30 28 28 30 30 30 28 | 38 37 35 35 37 37 37 34 | 42 41 39 39 41 41 41 38 | 45 44 42 42 43 44 44 41 | 48 46 44 44 46 46 46 44 | 50 48 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 333 | 1200 | 34 32 30 30 32 32 32 30 | 40 39 37 37 39 39 39 36 | 44 43 41 41 43 43 43 40 | 47 46 44 44 45 46 46 43 | 49 48 45 45 47 48 47 45 | 51 50 48 48 49 50 49 47 | 410 | 1475 | 35 34 32 32 33 34 34 31 | 42 41 39 39 40 41 40 38 | 46 45 43 43 44 45 44 42 | 49 48 45 45 47 48 47 45 | 51 50 48 48 49 50 49 47 | 300 x 200 | 125 | 450 | 26 25 23 23 24 25 24 22 | 33 32 29 30 31 32 31 29 | 37 36 33 34 35 36 35 33 | 40 38 36 36 38 39 38 36 | 43 41 39 39 41 41 41 39 | 45 44 41 41 43 44 43 41 | 48 47 44 44 46 47 46 44 | 50 49 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 222 | 800 | 31 29 27 27 29 29 29 27 | 37 36 34 34 36 36 36 33 | 41 40 38 38 40 40 40 37 | 44 43 41 41 42 43 43 40 | 47 46 43 44 45 46 45 43 | 49 48 46 46 47 48 47 45 | 51 50 48 48 49 50 49 47 | 319 | 1150 | 33 32 30 30 31 32 32 29 | 40 39 37 37 38 39 39 36 | 44 43 41 41 42 43 43 40 | 47 46 43 44 45 46 45 43 | 49 48 46 46 47 48 47 45 | 51 50 48 48 49 50 49 47 | 417 | 1500 | 35 34 32 32 33 34 34 31 | 42 41 39 39 40 41 41 38 | 46 45 43 43 44 45 45 42 | 49 48 45 46 47 48 47 45 | 51 50 48 48 49 50 49 47 | 514 | 1850 | 37 36 33 34 35 36 35 33 | 44 42 40 40 42 43 42 40 | 48 46 44 44 46 47 46 44 | 51 49 47 47 49 49 49 47 | 53 52 49 49 51 52 51 49 | 400 x 200 | 222 | 800 | 33 31 29 29 31 31 31 29 | 39 38 36 36 37 38 38 35 | 43 42 40 40 41 42 41 39 | 46 45 42 42 44 45 44 42 | 48 47 44 44 46 47 46 44 | 50 49 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 368 | 1325 | 34 33 31 31 33 33 33 30 | 41 40 38 38 39 40 40 37 | 45 44 42 42 43 44 43 41 | 48 47 44 44 46 47 46 44 | 50 49 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 514 | 1850 | 36 34 32 32 34 34 34 32 | 42 41 39 39 41 41 41 38 | 46 45 43 43 44 45 45 42 | 49 48 46 46 47 48 47 45 | 51 50 48 48 49 50 49 47 | 660 | 2375 | 37 35 33 33 35 35 35 33 | 43 42 40 40 42 42 42 39 | 47 46 44 44 45 46 46 43 | 50 49 47 47 48 49 48 46 | 52 51 49 49 50 51 51 48 | 806 | 2900 | 38 36 34 34 36 36 36 34 | 44 43 41 41 42 43 43 40 | 48 47 45 45 46 47 46 44 | 51 50 47 47 49 50 49 47 | 53 52 49 50 51 52 51 49 | 500 x 200 | 228 | 820 | 33 31 29 29 31 31 31 29 | 39 38 36 36 37 38 38 35 | 43 42 40 40 41 42 42 39 | 46 45 42 43 44 45 44 42 | 48 47 45 45 46 47 46 44 | 50 49 47 47 48 49 49 46 | 51 50 48 48 49 50 49 47 | 400 | 1440 | 35 33 31 31 33 34 33 31 | 41 40 38 38 40 40 40 37 | 45 44 42 42 44 44 44 41 | 48 47 45 45 46 47 47 44 | 50 49 47 47 48 49 49 46 | 572 | 2060 | 36 35 33 33 34 35 35 32 | 43 42 39 39 41 42 41 39 | 47 45 43 43 45 45 45 43 | 50 48 46 46 48 48 48 46 | 52 50 48 48 50 50 50 48 | 744 | 2680 | 37 36 34 34 35 36 36 33 | 44 43 40 40 42 43 42 40 | 48 46 44 44 46 47 46 44 | 51 49 47 47 49 49 49 47 | 53 51 49 49 51 51 51 49 | 917 | 3300 | 38 37 34 35 36 37 36 34 | 45 43 41 41 43 43 43 41 | 49 47 45 45 47 47 47 45 | 51 50 48 48 50 50 50 47 | 54 52 50 50 52 52 52 49 | 600 x 200 | 264 | 950 | 21 20 18 18 20 20 20 17 | 29 27 25 25 27 27 27 25 | 33 31 29 29 31 31 31 29 | 36 34 32 32 34 34 34 32 | 38 37 34 34 36 37 36 34 | 41 40 38 38 40 40 40 37 | 44 42 40 40 42 42 42 40 | 47 46 44 44 46 46 46 44 | 49 48 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 439 | 1580 | 27 26 24 24 25 26 26 23 | 34 33 31 31 32 33 33 30 | 38 37 35 35 37 37 37 34 | 43 41 39 39 41 41 41 38 | 45 44 42 42 44 44 44 41 | 48 47 45 45 47 47 47 44 | 51 49 47 47 49 49 49 47 | 628 | 2260 | 31 30 28 28 29 30 30 27 | 38 37 35 35 37 37 37 34 | 43 41 39 39 41 41 41 38 | 45 44 42 42 44 44 44 41 | 48 47 45 45 47 47 47 44 | 51 49 47 47 49 49 49 47 | 817 | 2940 | 34 33 31 31 32 33 33 30 | 41 40 38 38 39 40 40 37 | 45 44 42 42 44 44 44 41 | 48 47 45 45 47 47 47 44 | 51 49 47 47 49 49 49 47 | 1028 | 3700 | 37 36 33 33 35 36 35 33 | 44 43 40 41 42 43 42 40 | 48 47 45 45 46 47 46 44 | 51 50 47 48 49 50 49 47 | 53 52 50 50 51 52 52 49 | 400 x 250 | 222 | 800 | 33 31 29 29 31 31 31 29 | 39 38 36 36 37 38 38 35 | 43 42 40 40 41 42 41 39 | 46 45 42 42 44 45 44 42 | 48 47 44 44 46 47 46 44 | 50 49 46 46 48 48 48 46 | 51 50 48 48 49 50 49 47 | 389 | 1400 | 35 33 31 31 33 33 33 31 | 41 40 38 38 40 40 40 37 | 45 44 42 42 43 44 44 41 | 48 47 45 45 46 47 46 44 | 50 49 47 47 48 49 49 46 | 556 | 2000 | 36 35 33 33 34 35 34 32 | 43 41 39 39 41 41 41 39 | 47 45 43 43 45 45 45 43 | 49 48 46 46 48 48 48 45 | 52 50 48 48 50 50 50 48 | 722 | 2600 | 37 36 34 34 35 36 35 33 | 44 42 40 40 42 42 42 40 | 48 46 44 44 46 46 46 44 | 50 49 47 47 49 49 49 46 | 53 51 49 49 51 51 51 49 | 889 | 3200 | 38 37 34 34 36 37 36 34 | 45 43 41 41 43 43 43 41 | 48 47 45 45 47 47 47 44 | 51 50 48 48 49 50 50 47 | 53 52 50 50 52 52 52 49 | 500 x 250 | 306 | 1100 | 25 24 22 22 23 24 24 21 | 32 31 29 29 30 31 31 28 | 36 35 33 33 35 35 35 32 | 39 38 36 36 38 38 38 35 | 42 40 38 38 40 40 40 38 | 528 | 1900 | 31 30 28 28 29 30 30 27 | 38 37 35 35 36 37 37 34 | 42 41 39 39 41 41 41 38 | 45 44 42 42 43 44 44 41 | 48 46 44 44 46 46 46 44 | 750 | 2700 | 35 34 31 32 33 34 33 31 | 42 41 39 39 40 41 40 38 | 46 45 43 43 44 45 45 42 | 49 48 46 46 47 48 48 45 | 51 50 48 48 50 50 50 47 | 972 | 3500 | 38 37 34 34 36 37 36 34 | 45 44 41 42 43 44 43 41 | 49 48 46 46 47 48 47 45 | 52 51 48 49 50 51 50 48 | 54 53 51 51 52 53 53 50 | 1194 | 4300 | 40 39 37 37 38 39 38 36 | 47 46 44 44 45 46 46 43 | 51 50 48 48 49 50 50 47 | 54 53 51 51 52 53 53 50 | 57 55 53 53 55 55 55 53 | 600 x 250 | 319 | 1150 | 32 30 28 28 30 30 30 28 | 39 37 35 35 37 38 37 35 | 43 42 39 40 41 42 41 39 | 46 45 42 42 44 45 44 42 | 48 47 45 45 46 47 47 44 | 558 | 2010 | 37 35 33 33 35 36 35 33 | 44 43 40 40 42 43 42 40 | 48 47 44 45 46 47 46 44 | 51 50 47 47 49 50 49 47 | 53 52 50 50 51 52 52 49 | 797 | 2870 | 40 39 36 37 38 39 38 36 | 47 46 44 44 45 46 45 43 | 51 50 48 48 49 50 50 47 | 54 53 51 51 52 53 52 50 | 56 55 53 53 55 55 55 52 | 1036 | 3730 | 42 41 39 39 41 41 41 38 | 49 48 46 46 48 48 48 45 | 54 52 50 50 52 52 52 50 | 56 55 53 53 55 55 55 52 | 59 57 55 55 57 57 57 55 | 1275 | 4590 | 44 43 41 41 42 43 43 40 | 51 50 48 48 49 50 50 47 | 55 54 52 52 54 54 54 51 | 58 57 55 55 57 57 57 54 | 61 59 57 57 59 59 59 57 |



### Tabelle C

| RCQK      | Geräuschabstrahlung<br>Q [l/s] Q [m³/h] |      | p = 100 Pa |     |     |     |      |      |      |      | p = 200 Pa |     |     |     |      |      |      |      | p = 300 Pa |     |     |     |      |      |      |      | p = 400 Pa |     |     |     |      |      |      |      | p = 500 Pa |     |     |     |      |      |      |      |
|-----------|---|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|------------|-----|-----|-----|------|------|------|------|
|           |   |      | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 400 x 300 | 333                                     | 1200 | 24         | 23  | 21  | 21  | 22   | 23   | 22   | 20   | 31         | 30  | 28  | 28  | 29   | 30   | 30   | 27   | 35         | 34  | 32  | 32  | 33   | 34   | 34   | 31   | 38         | 37  | 35  | 35  | 36   | 37   | 37   | 34   | 41         | 39  | 37  | 37  | 39   | 39   | 39   | 37   |
|           | 563                                     | 2025 | 30         | 29  | 27  | 27  | 28   | 29   | 28   | 26   | 37         | 36  | 34  | 34  | 35   | 36   | 35   | 33   | 41         | 40  | 38  | 38  | 39   | 40   | 40   | 37   | 44         | 43  | 41  | 41  | 42   | 43   | 43   | 40   | 46         | 45  | 43  | 43  | 45   | 45   | 45   | 42   |
|           | 792                                     | 2850 | 34         | 33  | 30  | 30  | 32   | 33   | 32   | 30   | 41         | 40  | 37  | 38  | 39   | 40   | 39   | 37   | 45         | 44  | 42  | 42  | 43   | 44   | 43   | 41   | 48         | 47  | 45  | 45  | 46   | 47   | 46   | 44   | 50         | 49  | 47  | 47  | 48   | 49   | 49   | 46   |
|           | 1021                                    | 3675 | 37         | 35  | 33  | 33  | 35   | 36   | 35   | 33   | 44         | 43  | 40  | 40  | 42   | 43   | 42   | 40   | 48         | 47  | 44  | 45  | 46   | 47   | 46   | 44   | 51         | 50  | 47  | 48  | 49   | 50   | 49   | 47   | 53         | 52  | 50  | 50  | 51   | 52   | 52   | 49   |
|           | 1250                                    | 4500 | 39         | 38  | 36  | 36  | 37   | 38   | 37   | 35   | 46         | 45  | 43  | 43  | 44   | 45   | 45   | 42   | 50         | 49  | 47  | 47  | 48   | 49   | 49   | 46   | 53         | 52  | 50  | 50  | 51   | 52   | 52   | 49   | 56         | 54  | 52  | 52  | 54   | 54   | 54   | 52   |
| 500 x 300 | 375                                     | 1350 | 33         | 32  | 30  | 30  | 31   | 32   | 32   | 29   | 40         | 39  | 37  | 37  | 38   | 39   | 39   | 36   | 44         | 43  | 41  | 41  | 43   | 43   | 43   | 40   | 47         | 46  | 44  | 44  | 45   | 46   | 46   | 43   | 50         | 48  | 46  | 46  | 48   | 48   | 48   | 46   |
|           | 667                                     | 2400 | 38         | 37  | 35  | 35  | 37   | 37   | 37   | 34   | 45         | 44  | 42  | 42  | 44   | 44   | 44   | 41   | 50         | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 53         | 51  | 49  | 49  | 51   | 51   | 51   | 49   | 55         | 53  | 51  | 51  | 53   | 54   | 53   | 51   |
|           | 958                                     | 3450 | 42         | 40  | 38  | 38  | 40   | 40   | 40   | 38   | 49         | 47  | 45  | 45  | 47   | 47   | 47   | 45   | 53         | 52  | 49  | 49  | 51   | 52   | 51   | 49   | 56         | 54  | 52  | 52  | 54   | 55   | 54   | 52   | 58         | 57  | 55  | 55  | 56   | 57   | 56   | 54   |
|           | 1250                                    | 4500 | 44         | 43  | 41  | 41  | 42   | 43   | 42   | 40   | 51         | 50  | 48  | 48  | 49   | 50   | 50   | 47   | 55         | 54  | 52  | 52  | 53   | 54   | 54   | 51   | 58         | 57  | 55  | 55  | 56   | 57   | 57   | 54   | 60         | 59  | 57  | 57  | 59   | 59   | 59   | 56   |
|           | 1542                                    | 5550 | 46         | 45  | 42  | 43  | 44   | 45   | 44   | 42   | 53         | 52  | 49  | 50  | 51   | 52   | 51   | 49   | 57         | 56  | 54  | 54  | 55   | 56   | 56   | 53   | 60         | 59  | 57  | 57  | 58   | 59   | 58   | 56   | 62         | 61  | 59  | 59  | 61   | 61   | 61   | 58   |
| 600 x 300 | 431                                     | 1550 | 32         | 30  | 28  | 28  | 30   | 30   | 30   | 28   | 39         | 37  | 35  | 35  | 37   | 37   | 37   | 35   | 43         | 42  | 39  | 39  | 41   | 42   | 41   | 39   | 46         | 44  | 42  | 42  | 44   | 44   | 44   | 42   | 48         | 47  | 44  | 45  | 46   | 47   | 46   | 44   |
|           | 719                                     | 2590 | 35         | 34  | 32  | 32  | 33   | 34   | 34   | 31   | 42         | 41  | 39  | 39  | 41   | 41   | 41   | 38   | 47         | 45  | 43  | 43  | 45   | 45   | 45   | 42   | 49         | 48  | 46  | 46  | 48   | 48   | 48   | 45   | 52         | 50  | 48  | 48  | 50   | 50   | 50   | 48   |
|           | 1007                                    | 3625 | 38         | 36  | 34  | 34  | 36   | 36   | 36   | 34   | 45         | 43  | 41  | 41  | 43   | 44   | 43   | 41   | 49         | 48  | 45  | 45  | 47   | 48   | 47   | 45   | 52         | 50  | 48  | 48  | 50   | 51   | 50   | 48   | 54         | 53  | 51  | 51  | 52   | 53   | 52   | 50   |
|           | 1294                                    | 4660 | 40         | 38  | 36  | 36  | 38   | 38   | 38   | 36   | 47         | 45  | 43  | 43  | 45   | 45   | 45   | 43   | 51         | 49  | 47  | 47  | 49   | 49   | 49   | 47   | 54         | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 56         | 55  | 52  | 52  | 54   | 55   | 54   | 52   |
|           | 1583                                    | 5700 | 41         | 40  | 37  | 38  | 39   | 40   | 39   | 37   | 48         | 47  | 44  | 45  | 46   | 47   | 46   | 44   | 52         | 51  | 49  | 49  | 50   | 51   | 50   | 48   | 55         | 54  | 52  | 52  | 53   | 54   | 53   | 51   | 57         | 56  | 54  | 54  | 55   | 56   | 56   | 53   |
| 400 x 400 | 389                                     | 1400 | 34         | 32  | 30  | 30  | 32   | 33   | 32   | 30   | 41         | 40  | 37  | 37  | 39   | 40   | 39   | 37   | 45         | 44  | 41  | 42  | 43   | 44   | 43   | 41   | 48         | 47  | 44  | 44  | 46   | 47   | 46   | 44   | 50         | 49  | 47  | 47  | 48   | 49   | 49   | 46   |
|           | 681                                     | 2450 | 38         | 37  | 35  | 35  | 37   | 37   | 37   | 34   | 46         | 44  | 42  | 42  | 44   | 44   | 44   | 42   | 50         | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 53         | 51  | 49  | 49  | 51   | 51   | 51   | 49   | 55         | 54  | 51  | 51  | 53   | 54   | 53   | 51   |
|           | 1000                                    | 3600 | 42         | 40  | 38  | 38  | 40   | 40   | 40   | 38   | 49         | 47  | 45  | 45  | 47   | 47   | 47   | 45   | 53         | 52  | 49  | 49  | 51   | 52   | 51   | 49   | 56         | 54  | 52  | 52  | 54   | 55   | 54   | 52   | 58         | 57  | 55  | 55  | 56   | 57   | 56   | 54   |
|           | 1319                                    | 4750 | 44         | 43  | 40  | 41  | 42   | 43   | 42   | 40   | 51         | 50  | 48  | 48  | 49   | 50   | 49   | 47   | 55         | 54  | 52  | 52  | 53   | 54   | 54   | 51   | 58         | 57  | 55  | 55  | 56   | 57   | 56   | 54   | 60         | 59  | 57  | 57  | 59   | 59   | 59   | 56   |
|           | 1639                                    | 5900 | 46         | 45  | 42  | 42  | 44   | 45   | 44   | 42   | 53         | 52  | 49  | 49  | 51   | 52   | 51   | 49   | 57         | 56  | 53  | 54  | 55   | 56   | 55   | 53   | 60         | 59  | 56  | 57  | 58   | 59   | 58   | 56   | 62         | 61  | 59  | 59  | 60   | 61   | 61   | 58   |
| 500 x 400 | 444                                     | 1600 | 32         | 31  | 28  | 28  | 30   | 31   | 30   | 28   | 39         | 38  | 35  | 36  | 37   | 38   | 37   | 35   | 43         | 42  | 40  | 40  | 41   | 42   | 41   | 39   | 46         | 45  | 42  | 43  | 44   | 45   | 44   | 42   | 48         | 47  | 45  | 45  | 46   | 47   | 47   | 44   |
|           | 792                                     | 2850 | 36         | 35  | 32  | 33  | 34   | 35   | 34   | 32   | 43         | 42  | 40  | 40  | 41   | 42   | 41   | 39   | 47         | 46  | 44  | 44  | 45   | 46   | 46   | 43   | 50         | 49  | 47  | 47  | 48   | 49   | 48   | 46   | 52         | 51  | 49  | 49  | 51   | 51   | 51   | 48   |
|           | 1139                                    | 4100 | 39         | 37  | 35  | 35  | 37   | 37   | 37   | 35   | 46         | 44  | 42  | 42  | 44   | 44   | 44   | 42   | 50         | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 53         | 51  | 49  | 49  | 51   | 51   | 51   | 49   | 55         | 54  | 51  | 52  | 53   | 54   | 53   | 51   |
|           | 1486                                    | 5350 | 41         | 39  | 37  | 37  | 39   | 39   | 39   | 37   | 48         | 46  | 44  | 44  | 46   | 46   | 46   | 44   | 52         | 50  | 48  | 48  | 50   | 50   | 50   | 48   | 55         | 53  | 51  | 51  | 53   | 53   | 53   | 51   | 57         | 56  | 53  | 53  | 55   | 56   | 55   | 53   |
|           | 1833                                    | 6600 | 42         | 41  | 38  | 39  | 40   | 41   | 40   | 38   | 49         | 48  | 46  | 46  | 47   | 48   | 47   | 45   | 53         | 52  | 50  | 50  | 51   | 52   | 52   | 49   | 56         | 55  | 53  | 53  | 54   | 55   | 54   | 52   | 58         | 57  | 55  | 55  | 57   | 57   | 57   | 54   |
| 600 x 400 | 500                                     | 1800 | 33         | 31  | 29  | 29  | 31   | 31   | 31   | 29   | 40         | 38  | 36  | 36  | 38   | 39   | 38   | 36   | 44         | 43  | 40  | 40  | 42   | 43   | 42   | 40   | 47         | 46  | 43  | 43  | 45   | 46   | 45   | 43   | 49         | 48  | 46  | 46  | 47   | 48   | 47   | 45   |
|           | 861                                     | 3100 | 37         | 35  | 33  | 33  | 35   | 35   | 35   | 33   | 44         | 42  | 40  | 40  | 42   | 42   | 42   | 40   | 48         | 46  | 44  | 44  | 46   | 47   | 46   | 44   | 51         | 49  | 47  | 47  | 49   | 49   | 49   | 47   | 53         | 52  | 49  | 50  | 51   | 52   | 51   | 49   |
|           | 1222                                    | 4400 | 39         | 38  | 36  | 36  | 37   | 38   | 37   | 35   | 46         | 45  | 43  | 43  | 44   | 45   | 45   | 42   | 50         | 49  | 47  | 47  | 48   | 49   | 49   | 46   | 53         | 52  | 50  | 50  | 51   | 52   | 52   | 49   | 55         | 54  | 52  | 52  | 54   | 54   | 54   | 51   |
|           | 1583                                    | 5700 | 41         | 40  | 37  | 38  | 39   | 40   | 39   | 37   | 48         | 47  | 44  | 45  | 46   | 47   | 46   | 44   | 52         | 51  | 49  | 49  | 50   | 51   | 50   | 48   | 55         | 54  | 52  | 52  | 53   | 54   | 53   | 51   | 57         | 56  | 54  | 54  | 55   | 56   | 56   | 53   |
|           | 1944                                    | 7000 | 42         | 41  | 39  | 39  | 41   | 41   | 41   | 38   | 49         | 48  | 46  | 46  | 48   | 48   | 48   | 45   | 54         | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 57         | 55  | 53  | 53  | 55   | 55   | 55   | 53   | 59         | 57  | 55  | 55  | 57   | 57   | 57   | 55   |
| 500 x 500 | 556                                     | 2000 | 34         | 32  | 30  | 30  | 32   | 32   | 32   | 29   | 41         | 39  | 37  | 37  | 39   | 39   | 39   | 37   | 45         | 43  | 41  | 41  | 43   | 43   | 43   | 41   | 48         | 46  | 44  | 44  | 46   | 46   | 46   | 44   | 50         | 49  | 46  | 46  | 48   | 49   | 48   | 46   |
|           | 1014                                    | 3650 | 38         | 36  | 34  | 34  | 36   | 37   | 36   | 34   | 45         | 44  | 41  | 41  | 43   | 44   | 43   | 41   | 49         | 48  | 45  | 46  | 47   | 48   | 47   | 45   | 52         | 51  | 48  | 48  | 50   | 51   | 50   | 48   | 54         | 53  | 51  | 51  | 52   | 53   | 53   | 50   |
|           | 1472                                    | 5300 | 40         | 39  | 37  | 37  | 39   | 39   | 39   | 36   | 47         | 46  | 44  | 44  | 46   | 46   | 46   | 43   | 52         | 50  | 48  | 48  | 50   | 50   | 50   | 48   | 55         | 53  | 51  | 51  | 53   | 53   | 53   | 51   | 57         | 55  | 53  | 53  | 55   | 56   | 55   | 53   |
|           | 1931                                    | 6950 | 42         | 41  | 39  | 39  | 41   | 41   | 41   | 38   | 49         | 48  | 46  | 46  | 48   | 48   | 48   | 45   | 54         | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 56         | 55  | 53  | 53  | 55   | 55   | 55   | 52   | 59         | 57  | 55  | 55  | 57   | 57   | 57   | 55   |
|           | 2389                                    | 8600 | 44         | 43  | 40  | 40  | 42   | 43   | 42   | 40   | 51         | 50  | 47  | 48  | 49   | 50   | 49   | 47   | 55         | 54  | 52  | 52  | 53   | 54   | 53   | 51   | 58         | 57  | 54  | 55  | 56   | 57   | 56   | 54   | 60         | 59  | 57  | 57  | 58   | 59   | 59   | 56   |
| 600 x 500 | 611                                     | 2200 | 34         | 33  | 31  | 31  | 32   | 33   | 33   | 30   | 41         | 40  | 38  | 38  | 39   | 40   | 40   | 37   | 45         | 44  | 42  | 42  | 43   | 44   | 44   | 41   | 48         | 47  | 45  | 45  | 46   | 47   | 47   | 44   | 51         | 49  | 47  | 47  | 49   | 49   | 49   | 47   |
|           | 1097                                    | 3950 | 38         | 37  | 35  | 35  | 36   | 37   | 37   | 34   | 45         | 44  | 42  | 42  | 44   | 44   | 44   | 41   | 50         | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 52         | 51  | 49  | 49  | 51   | 51   | 51   | 48   | 55         | 53  | 51  | 51  | 53   | 53   | 53   | 51   |



**Tabelle C**

| RCQK      | Geräuschabstrahlung<br>Q [l/s] Q [m³/h] |      | p = 600 Pa |     |     |     |      |      | p = 700 Pa |      |    |     |     |     | p = 800 Pa |      |      |      |    |     | p = 900 Pa |     |      |      |      |      | p = 1000 Pa |     |     |     |      |      |      |      |    |     |     |     |      |      |      |      |
|-----------|---|------|------------|-----|-----|-----|------|------|------------|------|----|-----|-----|-----|------------|------|------|------|----|-----|------------|-----|------|------|------|------|-------------|-----|-----|-----|------|------|------|------|----|-----|-----|-----|------|------|------|------|
|           |   |      | 63         | 125 | 250 | 500 | 1000 | 2000 | 4000       | 8000 | 63 | 125 | 250 | 500 | 1000       | 2000 | 4000 | 8000 | 63 | 125 | 250        | 500 | 1000 | 2000 | 4000 | 8000 | 63          | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 200 x 100 | 47                                      | 170  | 36         | 35  | 33  | 33  | 35   | 35   | 35         | 32   | 38 | 37  | 34  | 34  | 36         | 37   | 36   | 34   | 39 | 38  | 36         | 36  | 37   | 38   | 38   | 35   | 40          | 39  | 37  | 37  | 39   | 39   | 39   | 36   | 41 | 40  | 38  | 38  | 40   | 40   | 40   | 37   |
|           | 76                                      | 275  | 40         | 39  | 37  | 37  | 38   | 39   | 38         | 36   | 42 | 40  | 38  | 38  | 40         | 40   | 40   | 38   | 43 | 42  | 39         | 39  | 41   | 42   | 41   | 39   | 44          | 43  | 41  | 41  | 42   | 43   | 42   | 40   | 45 | 44  | 42  | 42  | 43   | 44   | 43   | 41   |
|           | 107                                     | 385  | 43         | 41  | 39  | 39  | 41   | 41   | 41         | 39   | 44 | 43  | 41  | 41  | 42         | 43   | 43   | 40   | 45 | 44  | 42         | 42  | 44   | 44   | 44   | 41   | 47          | 45  | 43  | 43  | 45   | 45   | 45   | 43   | 48 | 46  | 44  | 44  | 46   | 46   | 46   | 44   |
|           | 138                                     | 495  | 45         | 43  | 41  | 41  | 43   | 43   | 43         | 41   | 46 | 45  | 43  | 43  | 44         | 45   | 44   | 42   | 47 | 46  | 44         | 44  | 46   | 46   | 46   | 43   | 49          | 47  | 45  | 45  | 47   | 47   | 47   | 45   | 50 | 48  | 46  | 46  | 48   | 48   | 48   | 46   |
|           | 167                                     | 600  | 46         | 45  | 42  | 43  | 44   | 45   | 44         | 42   | 48 | 46  | 44  | 44  | 46         | 46   | 46   | 44   | 49 | 48  | 45         | 45  | 47   | 48   | 47   | 45   | 50          | 49  | 46  | 47  | 48   | 49   | 48   | 46   | 51 | 50  | 48  | 48  | 49   | 50   | 49   | 47   |
| 300 x 100 | 72                                      | 260  | 40         | 38  | 36  | 36  | 38   | 38   | 36         | 36   | 41 | 40  | 38  | 38  | 39         | 40   | 37   | 42   | 41 | 39  | 39         | 41  | 41   | 41   | 38   | 44   | 42          | 40  | 40  | 42  | 42   | 42   | 40   | 45   | 43 | 41  | 41  | 43  | 43   | 43   | 41   |      |
|           | 117                                     | 420  | 43         | 42  | 40  | 40  | 41   | 42   | 42         | 39   | 45 | 43  | 41  | 41  | 43         | 44   | 43   | 41   | 46 | 45  | 43         | 43  | 44   | 45   | 44   | 42   | 47          | 46  | 44  | 44  | 45   | 46   | 46   | 43   | 48 | 47  | 45  | 45  | 46   | 47   | 47   | 44   |
|           | 161                                     | 580  | 46         | 44  | 42  | 42  | 44   | 44   | 44         | 42   | 47 | 46  | 44  | 44  | 45         | 46   | 46   | 43   | 49 | 47  | 45         | 45  | 47   | 47   | 47   | 45   | 50          | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 51 | 49  | 47  | 47  | 49   | 50   | 49   | 47   |
|           | 206                                     | 740  | 48         | 46  | 44  | 44  | 46   | 46   | 46         | 44   | 49 | 48  | 46  | 46  | 47         | 48   | 48   | 45   | 50 | 49  | 47         | 47  | 49   | 49   | 49   | 46   | 52          | 50  | 48  | 48  | 50   | 50   | 50   | 48   | 53 | 51  | 49  | 49  | 51   | 51   | 51   | 49   |
|           | 250                                     | 900  | 49         | 48  | 46  | 46  | 47   | 48   | 47         | 45   | 51 | 49  | 47  | 47  | 49         | 49   | 49   | 47   | 52 | 51  | 48         | 49  | 50   | 51   | 50   | 48   | 53          | 52  | 50  | 50  | 51   | 52   | 51   | 49   | 54 | 53  | 51  | 51  | 52   | 53   | 53   | 50   |
| 300 x 150 | 104                                     | 375  | 42         | 41  | 39  | 39  | 41   | 41   | 41         | 38   | 44 | 43  | 40  | 41  | 42         | 43   | 42   | 40   | 45 | 44  | 42         | 42  | 43   | 44   | 44   | 41   | 46          | 45  | 43  | 43  | 45   | 45   | 45   | 42   | 47 | 46  | 44  | 44  | 46   | 46   | 46   | 43   |
|           | 181                                     | 650  | 47         | 45  | 43  | 43  | 45   | 45   | 45         | 43   | 48 | 47  | 45  | 45  | 46         | 47   | 47   | 44   | 49 | 48  | 46         | 46  | 48   | 48   | 48   | 45   | 51          | 49  | 47  | 47  | 49   | 49   | 49   | 47   | 52 | 50  | 48  | 48  | 50   | 50   | 50   | 48   |
|           | 257                                     | 925  | 49         | 48  | 46  | 46  | 47   | 48   | 48         | 45   | 51 | 50  | 47  | 47  | 49         | 50   | 49   | 47   | 52 | 51  | 49         | 49  | 50   | 51   | 51   | 48   | 53          | 52  | 50  | 50  | 51   | 52   | 52   | 49   | 54 | 53  | 51  | 51  | 53   | 53   | 53   | 50   |
|           | 333                                     | 1200 | 51         | 50  | 48  | 48  | 49   | 50   | 50         | 47   | 53 | 52  | 49  | 49  | 51         | 52   | 51   | 49   | 54 | 53  | 51         | 51  | 52   | 53   | 53   | 50   | 55          | 54  | 52  | 52  | 53   | 54   | 54   | 51   | 56 | 55  | 53  | 53  | 55   | 55   | 55   | 52   |
|           | 410                                     | 1475 | 53         | 52  | 49  | 49  | 51   | 52   | 51         | 49   | 54 | 53  | 51  | 51  | 53         | 53   | 53   | 50   | 56 | 54  | 52         | 52  | 54   | 54   | 54   | 52   | 57          | 56  | 53  | 53  | 55   | 56   | 55   | 53   | 58 | 57  | 54  | 55  | 56   | 57   | 56   | 54   |
| 300 x 200 | 125                                     | 450  | 44         | 42  | 40  | 40  | 42   | 43   | 42         | 40   | 45 | 44  | 42  | 42  | 43         | 44   | 44   | 41   | 47 | 45  | 43         | 43  | 45   | 45   | 45   | 43   | 48          | 47  | 44  | 44  | 46   | 47   | 46   | 44   | 49 | 48  | 45  | 45  | 47   | 48   | 47   | 45   |
|           | 222                                     | 800  | 48         | 47  | 45  | 45  | 46   | 47   | 47         | 44   | 50 | 48  | 46  | 46  | 48         | 48   | 48   | 46   | 51 | 50  | 48         | 48  | 49   | 50   | 49   | 47   | 52          | 51  | 49  | 49  | 50   | 51   | 51   | 48   | 53 | 52  | 50  | 50  | 51   | 52   | 52   | 49   |
|           | 319                                     | 1150 | 51         | 50  | 47  | 48  | 49   | 50   | 49         | 47   | 53 | 51  | 49  | 49  | 51         | 51   | 51   | 49   | 54 | 53  | 50         | 50  | 52   | 53   | 52   | 50   | 55          | 54  | 51  | 52  | 53   | 54   | 53   | 51   | 56 | 55  | 53  | 53  | 54   | 55   | 54   | 52   |
|           | 417                                     | 1500 | 53         | 52  | 49  | 50  | 51   | 52   | 51         | 49   | 55 | 53  | 51  | 51  | 53         | 53   | 53   | 51   | 56 | 55  | 52         | 52  | 54   | 55   | 54   | 52   | 57          | 56  | 53  | 54  | 55   | 56   | 55   | 53   | 58 | 57  | 55  | 55  | 56   | 57   | 56   | 54   |
|           | 514                                     | 1850 | 55         | 53  | 51  | 51  | 53   | 53   | 53         | 51   | 56 | 55  | 53  | 53  | 54         | 55   | 55   | 52   | 57 | 56  | 54         | 54  | 56   | 56   | 56   | 53   | 59          | 57  | 55  | 55  | 57   | 57   | 57   | 55   | 60 | 58  | 56  | 56  | 58   | 58   | 58   | 56   |
| 400 x 200 | 222                                     | 800  | 50         | 48  | 46  | 46  | 48   | 48   | 48         | 46   | 51 | 50  | 48  | 48  | 49         | 50   | 50   | 47   | 53 | 51  | 49         | 49  | 51   | 51   | 51   | 49   | 54          | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 55 | 53  | 51  | 51  | 53   | 53   | 53   | 51   |
|           | 368                                     | 1325 | 52         | 50  | 48  | 48  | 50   | 50   | 50         | 48   | 53 | 52  | 50  | 50  | 51         | 52   | 52   | 49   | 54 | 53  | 51         | 51  | 53   | 53   | 53   | 50   | 56          | 54  | 52  | 52  | 54   | 54   | 54   | 52   | 57 | 55  | 53  | 53  | 55   | 55   | 55   | 53   |
|           | 514                                     | 1850 | 53         | 52  | 49  | 50  | 51   | 52   | 51         | 49   | 55 | 53  | 51  | 51  | 53         | 53   | 53   | 50   | 56 | 54  | 52         | 52  | 54   | 55   | 54   | 52   | 57          | 56  | 53  | 53  | 55   | 56   | 55   | 53   | 58 | 57  | 54  | 55  | 56   | 57   | 56   | 54   |
|           | 660                                     | 2375 | 54         | 53  | 50  | 51  | 52   | 53   | 52         | 50   | 55 | 54  | 52  | 52  | 54         | 54   | 54   | 51   | 57 | 55  | 53         | 53  | 55   | 55   | 55   | 53   | 58          | 57  | 54  | 54  | 56   | 57   | 56   | 54   | 59 | 58  | 55  | 55  | 57   | 58   | 57   | 55   |
|           | 806                                     | 2900 | 55         | 53  | 51  | 51  | 53   | 53   | 53         | 51   | 56 | 55  | 53  | 53  | 54         | 55   | 55   | 52   | 58 | 56  | 54         | 54  | 56   | 56   | 56   | 54   | 59          | 57  | 55  | 55  | 57   | 57   | 57   | 55   | 60 | 58  | 56  | 56  | 58   | 58   | 58   | 56   |
| 500 x 200 | 228                                     | 820  | 50         | 49  | 46  | 46  | 48   | 49   | 48         | 46   | 51 | 50  | 48  | 48  | 49         | 50   | 50   | 47   | 53 | 51  | 49         | 49  | 51   | 51   | 51   | 49   | 54          | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 55 | 53  | 51  | 51  | 53   | 54   | 53   | 51   |
|           | 400                                     | 1440 | 52         | 51  | 49  | 49  | 50   | 51   | 50         | 48   | 54 | 52  | 50  | 50  | 52         | 52   | 52   | 50   | 55 | 53  | 51         | 51  | 53   | 54   | 53   | 51   | 56          | 55  | 52  | 53  | 54   | 55   | 54   | 52   | 57 | 56  | 53  | 54  | 55   | 56   | 55   | 53   |
|           | 572                                     | 2060 | 53         | 52  | 50  | 50  | 52   | 52   | 52         | 49   | 55 | 54  | 51  | 51  | 53         | 54   | 53   | 51   | 56 | 55  | 53         | 53  | 54   | 55   | 55   | 52   | 57          | 56  | 54  | 54  | 55   | 56   | 56   | 53   | 58 | 57  | 55  | 55  | 56   | 57   | 57   | 54   |
|           | 744                                     | 2680 | 54         | 53  | 51  | 51  | 53   | 53   | 53         | 50   | 56 | 55  | 52  | 53  | 54         | 55   | 54   | 52   | 57 | 56  | 54         | 54  | 55   | 56   | 56   | 53   | 58          | 57  | 55  | 55  | 57   | 57   | 57   | 54   | 59 | 58  | 56  | 56  | 58   | 58   | 58   | 55   |
|           | 917                                     | 3300 | 55         | 54  | 52  | 52  | 53   | 54   | 54         | 51   | 57 | 55  | 53  | 53  | 55         | 55   | 55   | 53   | 58 | 57  | 54         | 55  | 56   | 57   | 56   | 54   | 59          | 58  | 56  | 56  | 57   | 58   | 58   | 55   | 60 | 59  | 57  | 57  | 58   | 59   | 59   | 56   |
| 600 x 200 | 264                                     | 950  | 40         | 38  | 36  | 36  | 38   | 38   | 36         | 36   | 41 | 40  | 38  | 38  | 39         | 40   | 37   | 43   | 41 | 39  | 39         | 41  | 41   | 41   | 39   | 44   | 43          | 40  | 40  | 42  | 43   | 42   | 40   | 45   | 44 | 41  | 42  | 43  | 44   | 43   | 41   |      |
|           | 439                                     | 1580 | 46         | 44  | 42  | 42  | 44   | 44   | 44         | 42   | 47 | 46  | 44  | 44  | 45         | 46   | 45   | 43   | 48 | 47  | 45         | 45  | 47   | 47   | 47   | 44   | 50          | 48  | 46  | 46  | 48   | 48   | 48   | 46   | 51 | 49  | 47  | 47  | 49   | 49   | 49   | 47   |
|           | 628                                     | 2260 | 50         | 48  | 46  | 46  | 48   | 48   | 48         | 46   | 51 | 50  | 48  | 48  | 49         | 50   | 50   | 47   | 53 | 51  | 49         | 49  | 51   | 51   | 51   | 49   | 54          | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 55 | 53  | 51  | 51  | 53   | 54   | 53   | 51   |
|           | 817                                     | 2940 | 53         | 51  | 49  | 49  | 51   | 51   | 51         | 49   | 54 | 53  | 51  | 51  | 52         | 53   | 52   | 50   | 55 | 54  | 52         | 52  | 54   | 54   | 54   | 51   | 57          | 55  | 53  | 53  | 55   | 55   | 55   | 53   | 58 | 56  | 54  | 54  | 56   | 56   | 56   | 54   |
|           | 1028                                    | 3700 | 55         | 54  | 52  | 52  | 53   | 54   | 54         | 51   | 57 | 55  | 53  | 53  | 55         | 55   | 55   | 53   | 58 | 57  | 55         | 55  | 56   | 57   | 56   | 54   | 59          | 58  | 56  | 56  | 57   | 58   | 58   | 55   | 60 | 59  | 57  | 57  | 59   | 59   | 59   | 56   |
| 400 x 250 | 222                                     | 800  | 50         | 48  | 46  | 46  | 48   | 48   | 48         | 46   | 51 | 50  | 48  | 48  | 49         | 50   | 50   | 47   | 53 | 51  | 49         | 49  | 51   | 51   | 51   | 49   | 54          | 52  | 50  | 50  | 52   | 52   | 52   | 50   | 55 | 53  | 51  | 51  | 53   | 53   | 53   | 51   |
|           | 389                                     | 1400 | 52         | 51  | 48  | 49  | 50   | 51   | 50         | 48   | 53 | 52  | 50  | 50  | 52         | 52   | 52   | 49   | 55 | 53  | 51         | 51  | 53   | 53   | 53   | 51   | 56          | 55  | 52  | 52  | 54   | 55   | 54   | 52   | 57 | 56  | 53  | 53  | 55   | 56   | 55   | 53   |
|           | 556                                     | 2000 | 53         | 52  | 50  | 50  | 51   | 52   | 52         | 49   | 55 | 53  | 51  | 51  | 53         | 54   | 53   | 51   | 56 | 55  | 53         | 53  | 54   | 55   | 54   | 52   | 57          | 56  | 54  | 54  |      |      |      |      |    |     |     |     |      |      |      |      |



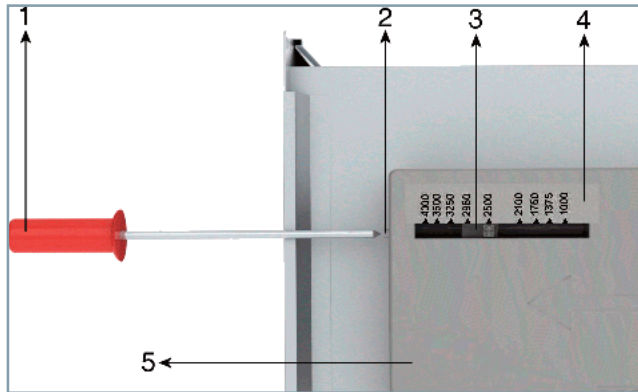
### Tabelle C

| RCQK      | Geräuschabstrahlung |         | p = 600 Pa |    |     |     |     |      | p = 700 Pa |      |      |    |     |     | p = 800 Pa |      |      |      |      |    | p = 900 Pa |     |     |      |      |      | p = 1000 Pa |    |     |     |     |      |      |      |      |    |     |     |     |      |      |      |
|-----------|---------------------|---------|------------|----|-----|-----|-----|------|------------|------|------|----|-----|-----|------------|------|------|------|------|----|------------|-----|-----|------|------|------|-------------|----|-----|-----|-----|------|------|------|------|----|-----|-----|-----|------|------|------|
|           | Größe               | Q [l/s] | Q [m³/h]   | 63 | 125 | 250 | 500 | 1000 | 2000       | 4000 | 8000 | 63 | 125 | 250 | 500        | 1000 | 2000 | 4000 | 8000 | 63 | 125        | 250 | 500 | 1000 | 2000 | 4000 | 8000        | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 |
| 400 x 300 | 333                 | 1200    | 42         | 41 | 39  | 39  | 41  | 41   | 41         | 38   | 44   | 43 | 40  | 41  | 42         | 43   | 42   | 40   | 45   | 44 | 42         | 42  | 43  | 44   | 44   | 41   | 47          | 45 | 43  | 43  | 45  | 45   | 45   | 43   | 48   | 46 | 44  | 44  | 46  | 46   | 46   | 44   |
|           | 563                 | 2025    | 48         | 47 | 45  | 45  | 46  | 47   | 47         | 44   | 50   | 49 | 46  | 46  | 48         | 49   | 48   | 46   | 51   | 50 | 48         | 48  | 49  | 50   | 50   | 47   | 52          | 51 | 49  | 49  | 51  | 51   | 51   | 48   | 54   | 52 | 50  | 50  | 52  | 52   | 50   | 50   |
|           | 792                 | 2850    | 52         | 51 | 49  | 49  | 50  | 51   | 51         | 48   | 54   | 52 | 50  | 50  | 52         | 52   | 52   | 50   | 55   | 54 | 52         | 52  | 53  | 54   | 54   | 51   | 56          | 55 | 53  | 53  | 54  | 55   | 55   | 52   | 57   | 56 | 54  | 54  | 56  | 56   | 56   | 53   |
|           | 1021                | 3675    | 55         | 54 | 52  | 52  | 53  | 54   | 53         | 51   | 57   | 55 | 53  | 53  | 55         | 55   | 55   | 53   | 58   | 57 | 54         | 55  | 56  | 57   | 56   | 54   | 59          | 58 | 56  | 56  | 57  | 58   | 58   | 55   | 60   | 59 | 57  | 57  | 58  | 59   | 59   | 56   |
|           | 1250                | 4500    | 57         | 56 | 54  | 54  | 56  | 56   | 56         | 53   | 59   | 58 | 55  | 56  | 57         | 58   | 57   | 55   | 60   | 59 | 57         | 57  | 58  | 59   | 59   | 56   | 62          | 60 | 58  | 58  | 60  | 60   | 60   | 58   | 63   | 61 | 59  | 59  | 61  | 61   | 61   | 59   |
| 500 x 300 | 375                 | 1350    | 51         | 50 | 48  | 48  | 50  | 50   | 50         | 47   | 53   | 52 | 49  | 50  | 51         | 52   | 51   | 49   | 54   | 53 | 51         | 51  | 53  | 53   | 53   | 50   | 56          | 54 | 52  | 52  | 54  | 54   | 54   | 52   | 57   | 55 | 53  | 53  | 55  | 55   | 55   | 53   |
|           | 667                 | 2400    | 57         | 55 | 53  | 53  | 55  | 55   | 55         | 53   | 58   | 57 | 55  | 55  | 56         | 57   | 57   | 54   | 60   | 58 | 56         | 56  | 58  | 58   | 58   | 56   | 61          | 59 | 57  | 57  | 59  | 59   | 59   | 57   | 62   | 61 | 58  | 58  | 60  | 61   | 60   | 58   |
|           | 958                 | 3450    | 60         | 59 | 56  | 56  | 58  | 59   | 58         | 56   | 61   | 60 | 58  | 58  | 60         | 60   | 60   | 57   | 63   | 62 | 59         | 59  | 61  | 62   | 61   | 59   | 64          | 63 | 61  | 61  | 62  | 63   | 62   | 60   | 65   | 64 | 62  | 62  | 63  | 64   | 63   | 61   |
|           | 1250                | 4500    | 62         | 61 | 59  | 59  | 60  | 61   | 61         | 58   | 64   | 63 | 60  | 60  | 62         | 63   | 62   | 60   | 65   | 64 | 62         | 62  | 63  | 64   | 64   | 61   | 66          | 65 | 63  | 63  | 65  | 65   | 65   | 62   | 68   | 66 | 64  | 64  | 66  | 66   | 66   | 64   |
|           | 1542                | 5550    | 64         | 63 | 61  | 61  | 62  | 63   | 63         | 60   | 66   | 64 | 62  | 62  | 64         | 65   | 64   | 62   | 67   | 66 | 64         | 64  | 65  | 66   | 66   | 63   | 68          | 67 | 65  | 65  | 66  | 67   | 67   | 64   | 69   | 68 | 66  | 66  | 68  | 68   | 68   | 65   |
| 600 x 300 | 431                 | 1550    | 50         | 49 | 46  | 46  | 48  | 49   | 48         | 46   | 51   | 50 | 48  | 48  | 50         | 50   | 50   | 47   | 53   | 51 | 49         | 49  | 51  | 52   | 51   | 49   | 54          | 53 | 50  | 51  | 52  | 53   | 52   | 50   | 55   | 54 | 52  | 52  | 53  | 54   | 53   | 51   |
|           | 719                 | 2590    | 54         | 52 | 50  | 50  | 52  | 52   | 52         | 50   | 55   | 54 | 52  | 52  | 53         | 54   | 53   | 51   | 56   | 55 | 53         | 53  | 55  | 55   | 55   | 52   | 58          | 56 | 54  | 54  | 56  | 56   | 56   | 54   | 59   | 57 | 55  | 55  | 57  | 57   | 57   | 55   |
|           | 1007                | 3625    | 56         | 55 | 52  | 53  | 54  | 55   | 54         | 52   | 58   | 56 | 54  | 54  | 56         | 56   | 56   | 53   | 59   | 58 | 55         | 55  | 57  | 58   | 57   | 55   | 60          | 59 | 57  | 57  | 58  | 59   | 58   | 56   | 61   | 60 | 58  | 58  | 59  | 60   | 59   | 57   |
|           | 1294                | 4660    | 58         | 56 | 54  | 54  | 56  | 56   | 56         | 54   | 59   | 58 | 56  | 56  | 57         | 58   | 58   | 55   | 61   | 59 | 57         | 57  | 59  | 59   | 59   | 57   | 62          | 61 | 58  | 58  | 60  | 61   | 60   | 58   | 63   | 62 | 59  | 59  | 61  | 62   | 61   | 59   |
|           | 1583                | 5700    | 59         | 58 | 56  | 56  | 57  | 58   | 58         | 55   | 61   | 59 | 57  | 57  | 59         | 59   | 59   | 57   | 62   | 61 | 59         | 59  | 60  | 61   | 60   | 58   | 63          | 62 | 60  | 60  | 61  | 62   | 62   | 59   | 64   | 63 | 61  | 61  | 62  | 63   | 63   | 60   |
| 400 x 400 | 389                 | 1400    | 52         | 51 | 49  | 49  | 50  | 51   | 50         | 48   | 54   | 52 | 50  | 50  | 52         | 52   | 52   | 50   | 55   | 54 | 51         | 52  | 53  | 54   | 53   | 51   | 56          | 55 | 53  | 53  | 54  | 55   | 55   | 52   | 57   | 56 | 54  | 54  | 55  | 56   | 56   | 53   |
|           | 681                 | 2450    | 57         | 55 | 53  | 53  | 55  | 55   | 55         | 53   | 58   | 57 | 55  | 55  | 56         | 57   | 57   | 54   | 60   | 58 | 56         | 56  | 58  | 58   | 58   | 56   | 61          | 60 | 57  | 57  | 59  | 60   | 59   | 57   | 62   | 61 | 58  | 58  | 60  | 61   | 60   | 58   |
|           | 1000                | 3600    | 60         | 59 | 56  | 57  | 58  | 59   | 58         | 56   | 61   | 60 | 58  | 58  | 60         | 60   | 60   | 57   | 63   | 62 | 59         | 59  | 61  | 62   | 61   | 59   | 64          | 63 | 61  | 61  | 62  | 63   | 62   | 60   | 65   | 64 | 62  | 62  | 63  | 64   | 63   | 61   |
|           | 1319                | 4750    | 62         | 61 | 59  | 59  | 60  | 61   | 61         | 58   | 64   | 62 | 60  | 60  | 62         | 63   | 62   | 60   | 65   | 64 | 62         | 62  | 63  | 64   | 64   | 61   | 66          | 65 | 63  | 63  | 65  | 65   | 65   | 62   | 67   | 66 | 64  | 64  | 66  | 66   | 66   | 63   |
|           | 1639                | 5900    | 64         | 63 | 61  | 61  | 62  | 63   | 62         | 60   | 66   | 64 | 62  | 62  | 64         | 64   | 64   | 62   | 67   | 66 | 63         | 64  | 65  | 66   | 65   | 63   | 68          | 67 | 65  | 65  | 66  | 67   | 67   | 64   | 69   | 68 | 66  | 66  | 67  | 68   | 68   | 65   |
| 500 x 400 | 444                 | 1600    | 50         | 49 | 47  | 47  | 48  | 49   | 48         | 46   | 52   | 50 | 48  | 48  | 50         | 50   | 50   | 48   | 53   | 52 | 49         | 50  | 51  | 52   | 51   | 49   | 54          | 53 | 51  | 51  | 52  | 53   | 53   | 50   | 55   | 54 | 52  | 52  | 53  | 54   | 54   | 51   |
|           | 792                 | 2850    | 54         | 53 | 51  | 51  | 52  | 53   | 53         | 50   | 56   | 54 | 52  | 52  | 54         | 55   | 54   | 52   | 57   | 56 | 54         | 54  | 55  | 56   | 56   | 53   | 58          | 57 | 55  | 55  | 56  | 57   | 57   | 54   | 59   | 58 | 56  | 56  | 58  | 58   | 58   | 55   |
|           | 1139                | 4100    | 57         | 55 | 53  | 53  | 55  | 56   | 55         | 53   | 58   | 57 | 55  | 55  | 57         | 57   | 57   | 54   | 60   | 58 | 56         | 56  | 58  | 58   | 58   | 56   | 61          | 60 | 57  | 58  | 59  | 60   | 59   | 57   | 62   | 61 | 58  | 59  | 60  | 61   | 60   | 58   |
|           | 1486                | 5350    | 59         | 57 | 55  | 55  | 57  | 57   | 57         | 55   | 60   | 59 | 57  | 57  | 58         | 59   | 59   | 56   | 62   | 60 | 58         | 58  | 60  | 60   | 60   | 58   | 63          | 62 | 59  | 59  | 61  | 62   | 61   | 59   | 64   | 63 | 60  | 60  | 62  | 63   | 62   | 60   |
|           | 1833                | 6600    | 60         | 59 | 57  | 57  | 58  | 59   | 59         | 56   | 62   | 60 | 58  | 58  | 60         | 60   | 60   | 58   | 63   | 62 | 60         | 60  | 61  | 62   | 61   | 59   | 64          | 63 | 61  | 61  | 62  | 63   | 63   | 60   | 65   | 64 | 62  | 62  | 64  | 64   | 64   | 61   |
| 600 x 400 | 500                 | 1800    | 51         | 50 | 47  | 48  | 49  | 50   | 49         | 47   | 53   | 51 | 49  | 49  | 51         | 51   | 51   | 49   | 54   | 53 | 50         | 50  | 52  | 53   | 52   | 50   | 55          | 54 | 52  | 52  | 53  | 54   | 53   | 51   | 56   | 55 | 53  | 53  | 54  | 55   | 55   | 52   |
|           | 861                 | 3100    | 55         | 54 | 51  | 51  | 53  | 54   | 53         | 51   | 56   | 55 | 53  | 53  | 55         | 55   | 55   | 52   | 58   | 56 | 54         | 54  | 56  | 56   | 56   | 54   | 59          | 58 | 55  | 56  | 57  | 58   | 57   | 55   | 60   | 59 | 56  | 57  | 58  | 59   | 58   | 56   |
|           | 1222                | 4400    | 57         | 56 | 54  | 54  | 55  | 56   | 56         | 53   | 59   | 58 | 55  | 55  | 57         | 58   | 57   | 55   | 60   | 59 | 57         | 57  | 58  | 59   | 59   | 56   | 61          | 60 | 58  | 58  | 60  | 60   | 60   | 57   | 63   | 61 | 59  | 59  | 61  | 61   | 61   | 59   |
|           | 1583                | 5700    | 59         | 58 | 56  | 56  | 57  | 58   | 58         | 55   | 61   | 59 | 57  | 57  | 59         | 59   | 59   | 57   | 62   | 61 | 59         | 59  | 60  | 61   | 60   | 58   | 63          | 62 | 60  | 60  | 61  | 62   | 62   | 59   | 64   | 63 | 61  | 61  | 62  | 63   | 63   | 60   |
|           | 1944                | 7000    | 61         | 59 | 57  | 57  | 59  | 59   | 59         | 57   | 62   | 61 | 59  | 59  | 60         | 61   | 61   | 58   | 64   | 62 | 60         | 60  | 62  | 62   | 62   | 60   | 65          | 63 | 61  | 61  | 63  | 63   | 63   | 61   | 66   | 64 | 62  | 62  | 64  | 65   | 64   | 62   |
| 500 x 500 | 556                 | 2000    | 52         | 50 | 48  | 48  | 50  | 50   | 50         | 48   | 53   | 52 | 50  | 50  | 51         | 52   | 52   | 49   | 55   | 53 | 51         | 51  | 53  | 53   | 53   | 51   | 56          | 54 | 52  | 52  | 54  | 55   | 54   | 52   | 57   | 56 | 53  | 53  | 55  | 56   | 55   | 53   |
|           | 1014                | 3650    | 56         | 55 | 52  | 53  | 54  | 55   | 54         | 52   | 58   | 56 | 54  | 54  | 56         | 56   | 56   | 54   | 59   | 58 | 55         | 55  | 57  | 58   | 57   | 55   | 60          | 59 | 57  | 57  | 58  | 59   | 58   | 56   | 61   | 60 | 58  | 58  | 59  | 60   | 60   | 57   |
|           | 1472                | 5300    | 59         | 57 | 55  | 55  | 57  | 57   | 57         | 55   | 60   | 59 | 57  | 57  | 58         | 59   | 59   | 56   | 62   | 60 | 58         | 58  | 60  | 60   | 60   | 58   | 63          | 61 | 59  | 59  | 61  | 61   | 61   | 59   | 64   | 63 | 60  | 60  | 62  | 63   | 62   | 60   |
|           | 1931                | 6950    | 61         | 59 | 57  | 57  | 59  | 59   | 59         | 57   | 62   | 61 | 59  | 59  | 60         | 61   | 61   | 58   | 64   | 62 | 60         | 60  | 62  | 62   | 62   | 59   | 65          | 63 | 61  | 61  | 63  | 63   | 63   | 61   | 66   | 64 | 62  | 62  | 64  | 64   | 64   | 62   |
|           | 2389                | 8600    | 62         | 61 | 59  | 59  | 60  | 61   | 60         | 58   | 64   | 62 | 60  | 60  | 62         | 62   | 62   | 60   | 65   | 64 | 61         | 62  | 63  | 64   | 63   | 61   | 66          | 65 | 63  | 63  | 64  | 65   | 65   | 62   | 67   | 66 | 64  | 64  | 65  | 66   | 66   | 63   |
| 600 x 500 | 611                 | 2200    | 52         | 51 | 49  | 49  | 51  | 51   | 51         | 48   | 54   | 53 | 50  | 51  | 52         | 53   | 52   | 50   | 55   | 54 | 52         | 52  | 53  | 54   | 54   | 51   | 57          | 55 | 53  | 53  | 55  | 55   | 55   | 52   | 58   | 56 | 54  | 54  | 56  | 56   | 56   | 54   |
|           | 1097                | 3950    | 57         | 55 | 53  | 53  | 55  | 55   | 55         | 53   | 58   | 57 | 55  | 55  | 56         | 57   | 56   | 54   | 59   | 58 | 56         | 56  | 58  | 58   | 58   | 55   | 61          | 59 | 57  | 57  | 59  | 59   | 59   | 57   | 62   | 60 | 58  | 58  | 60  | 60   | 60   | 58   |
|           | 1583                | 5700    | 59         | 58 | 56  | 56  | 57  | 58   | 58         | 55   | 61   | 59 | 57  | 57  | 59         | 59   | 59   | 57   | 62   | 61 | 59         | 59  | 6   |      |      |      |             |    |     |     |     |      |      |      |      |    |     |     |     |      |      |      |



### Einbau und Einstellung

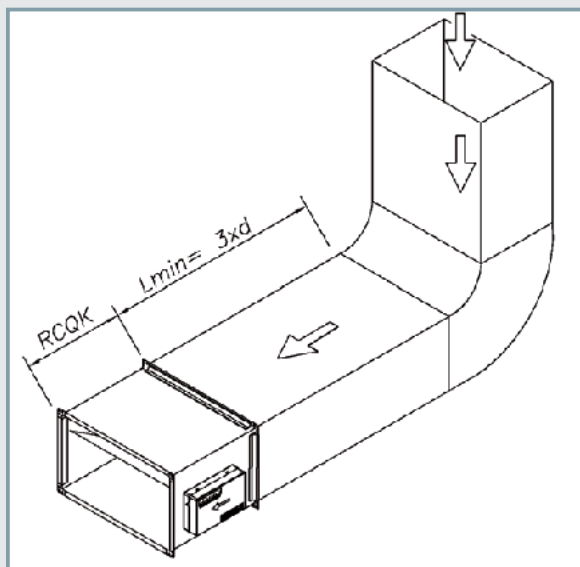
#### Einbau



- 1 - Schraubenzieher
- 2 - Einstellschraube
- 3 - Markierungsteil
- 4 - Volumenstromeinstellschild
- 5 - Getriebekasten

Verfahrensweise zum Einstellen des Volumenstroms am Regler. Mit einem Schraubenzieher (1) drehen Sie die Einstellschraube (2), die sich an der Seitenwand des Getriebekastens (5) befindet. Den Schraubenzieher bis zur Positionierung des Markierungsteils (3) auf den angeforderten Luftvolumenstrom (4) drehen.

#### Einstellung



Die RCQK-Volumenstromregler sind zum direkten Anschluss an den Kanal konzipiert worden, da deren Durchmesser nach ISO standardisiert sind.

Die Regler können waagrecht oder senkrecht eingebaut werden. Die Dichtheit wird durch beidseitig angeordnete Dichtungen erreicht. Bei waagrechtem Einbau braucht man den Regler nicht an den Kanal zu nieten oder anzuschrauben. Die Verstelleinrichtung kann oberhalb, unterhalb oder horizontal zum Kanal angeordnet werden.

