

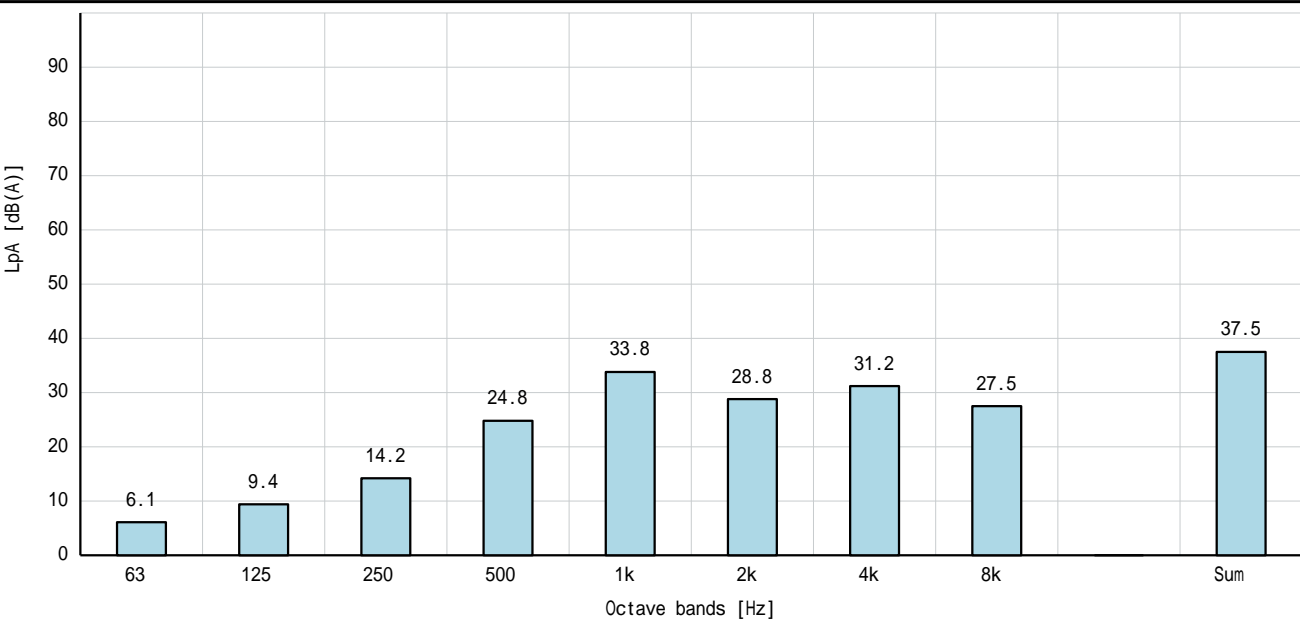
声音测量报告

ISO 3745

目标: 电机类型: MLE71A 电压 (U): 200-240 [V]  
f: 50/60 [Hz]  
P2: 0.55 [千瓦]  
n: 2900 - 4000 [转数 / 分钟]

测试条件: Load: No load / Idle Sound test: 230 [V]  
f: 50 [Hz]  
P2: 0 [千瓦]  
n: 1500 [转数 / 分钟]

批注:



Sound pressure level  $L_{pA}$  : 37.5 [dB(A)]

Sound power level  $L_{WA}$  : 49.5 [dB(A)]

Notes: References:  
•Sound power values  $L_{WA}$  determined according to IEC 60034-9, ISO 3745 and ISO 4871. (IEC 60034-9, ISO 3745 & 4871)  
- Associated uncertainty  $K_{WA} = 3$  [dB(A)] (IEC 60064-9; Clause 8)  
- “The sum of measured noise emission values and its associated uncertainty represents an upper boundary of the range of values which is likely to occur in measurements” . (ISO 4871; Section B2)  
•Sound power evaluated at rated speed and no load as specified in IEC 60034-9. (IEC 60034; Clause 5.2)  
- “The sound power levels, under full load condition, are normally higher than those at no-load. Generally, if ventilation noise is predominant the change may be small; but, if the electromagnetic noise is predominant the change may be significant” . (IEC 60034-9; Clause 6, Note 2)  
- Additionally - as outlined in IEC 60034-9 Amendment 1 - an increase in the noise level may also occur on variable speed drives due to increased level of higher harmonics and potential coincidence between these and structural resonances. (IEC 60034-9 and 1; Clause 7)  
•The equivalent sound pressure level  $L_{pA}$  at 1 m distance are determined from the sound power level via ISO 11203 method Q2 (IEC 60034; Clause 5.2)  
- The observer surface area  $S$  is given by a box shape enveloping the source – and here calculated for a specified distance of 1 m between the source and the observer surface.  
The emission sound pressure level obtained with this method represents the average sound pressure level over the surface of area  $S$  in environmental conditions approximating to a free field over a reflecting plane” . (ISO 11203; Clause 6.2.3)

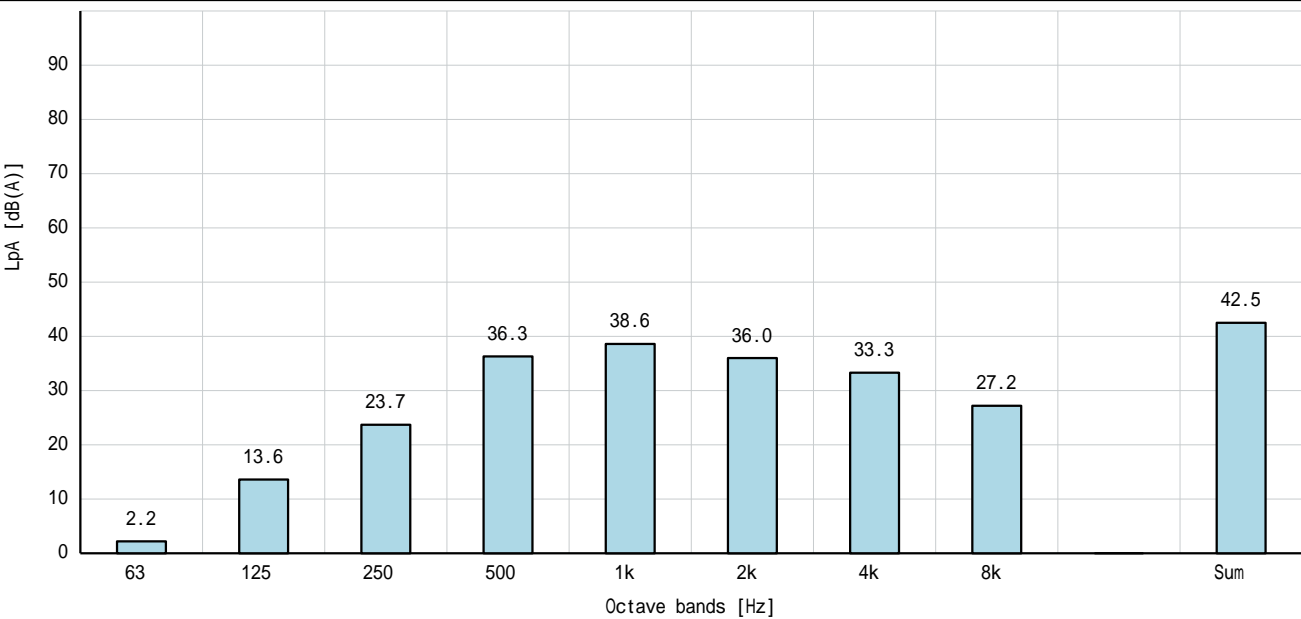
声音测量报告

ISO 3745

目标: 电机类型: MLE71A 电压 (U): 200-240 [V]  
f: 50/60 [Hz]  
P2: 0.55 [千瓦]  
n: 2900 - 4000 [转数 / 分钟]

测试条件: Load: No load / Idle Sound test: 230 [V]  
f: 50 [Hz]  
P2: 0 [千瓦]  
n: 2250 [转数 / 分钟]

批注:



Sound pressure level  $L_{pA}$  : 42.5 [dB(A)]

Sound power level  $L_{WA}$  : 54.5 [dB(A)]

Notes: References:  
•Sound power values  $L_{WA}$  determined according to IEC 60034-9, ISO 3745 and ISO 4871. (IEC 60034-9, ISO 3745 & 4871)  
- Associated uncertainty  $K_{WA} = 3$  [dB(A)] (IEC 60064-9; Clause 8)  
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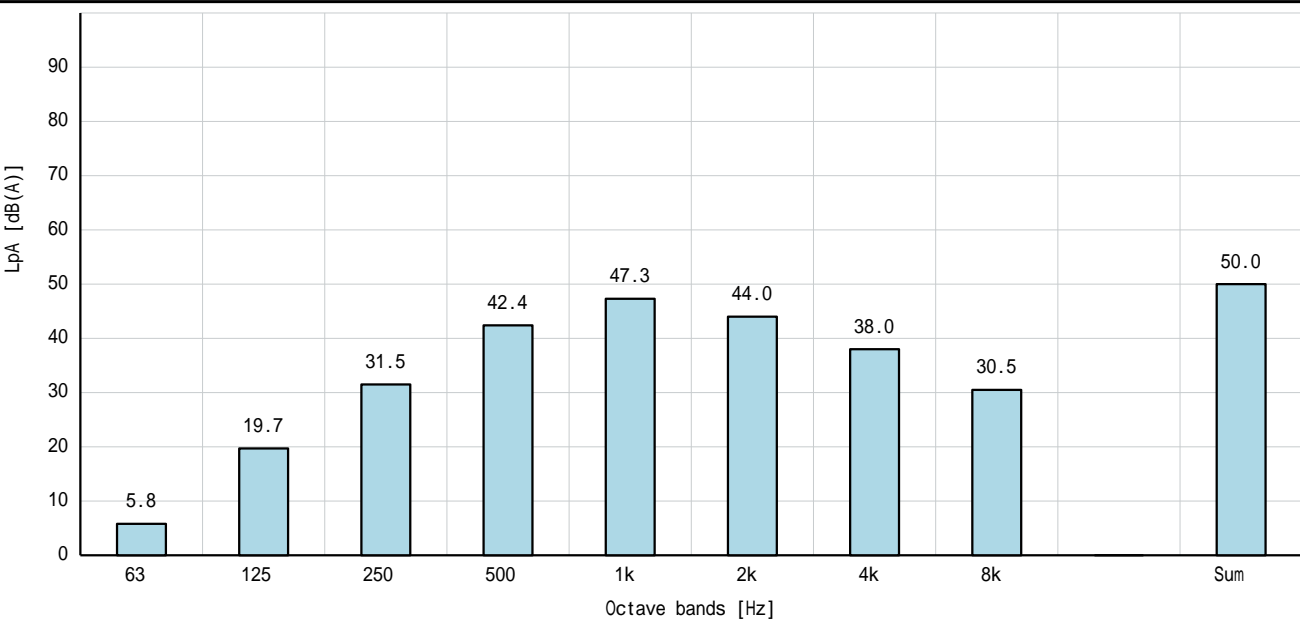
声音测量报告

ISO 3745

目标: 电机类型: MLE71A 电压 (U): 200-240 [V]  
f: 50/60 [Hz]  
P2: 0.55 [千瓦]  
n: 2900 - 4000 [转数 / 分钟]

测试条件: Load: No load / Idle Sound test: 230 [V]  
f: 50 [Hz]  
P2: 0 [千瓦]  
n: 3000 [转数 / 分钟]

批注:

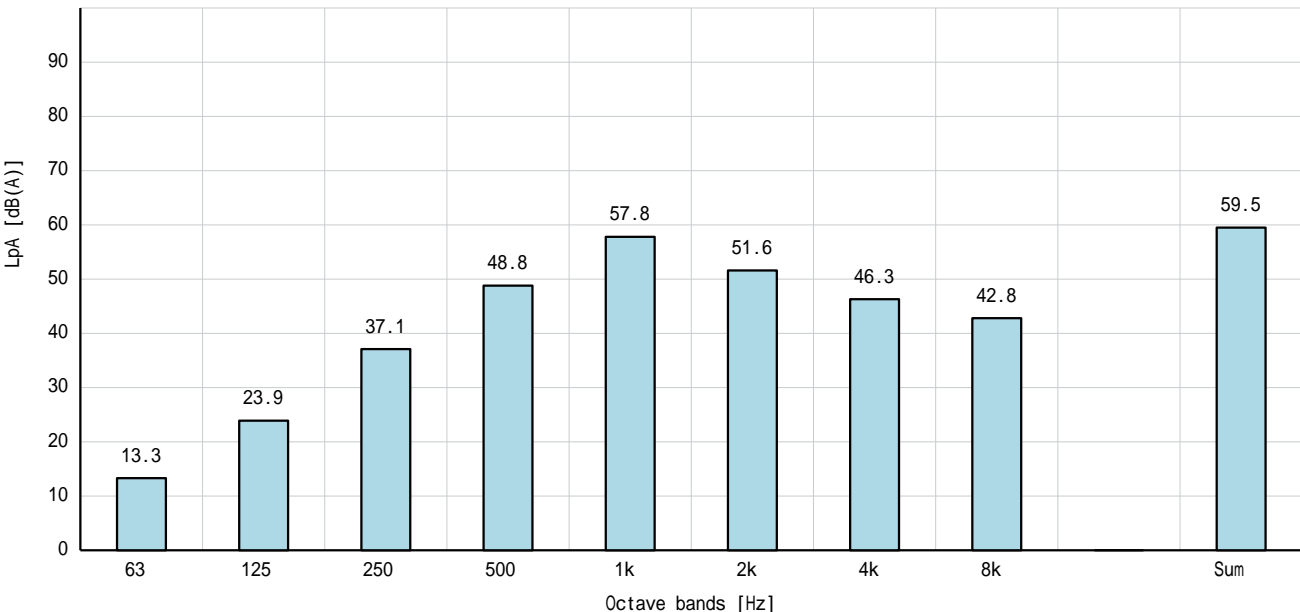


Sound pressure level  $L_{pA}$  : 50.0 [dB(A)]

Sound power level  $L_{WA}$  : 62.5 [dB(A)]

Notes: References:  
•Sound power values  $L_{WA}$  determined according to IEC 60034-9, ISO 3745 and ISO 4871. (IEC 60034-9, ISO 3745 & 4871)  
- Associated uncertainty  $K_{WA} = 3$  [dB(A)] (IEC 60064-9; Clause 8)  
- “The sum of measured noise emission values and its associated uncertainty represents an upper boundary of the range of values which is likely to occur in measurements” . (ISO 4871; Section B2)  
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| 声音测量报告  |                      |   |  |
|---|----------------------|---|--|
| ISO 3745  |                      |   |  |
| 目标:   | 电机类型: MLE71A         | 电压 (U): 200-240 [V]<br>f: 50/60 [Hz]<br>P2: 0.55 [千瓦]<br>n: 2900 - 4000 [转数 / 分钟] |  |
| 测试条件:   | Load: No load / Idle | Sound test: 230 [V]<br>f: 50 [Hz]<br>P2: 0 [千瓦]<br>n: 3600 [转数 / 分钟]              |  |
| 批注:   |                      |   |  |
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| 声音测量报告   |                      |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
|--|----------------------|---|--|-------------------|-------------|----|------|-----|------|-----|------|-----|------|----|------|----|------|----|------|----|------|-----|------|
| ISO 3745   |                      |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 目标:  | 电机类型: MLE71A         | 电压 (U): 200-240 [V]<br>f: 50/60 [Hz]<br>P2: 0.55 [千瓦]<br>n: 2900 - 4000 [转数 / 分钟]   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 测试条件:  | Load: No load / Idle | Sound test: 230 [V]<br>f: 50 [Hz]<br>P2: 0 [千瓦]<br>n: 4000 [转数 / 分钟]                |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 批注:  |                      |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| <div></div> <table><tr><th>Octave bands [Hz]</th><th>LpA [dB(A)]</th></tr><tr><td>63</td><td>13.3</td></tr><tr><td>125</td><td>23.9</td></tr><tr><td>250</td><td>37.1</td></tr><tr><td>500</td><td>48.8</td></tr><tr><td>1k</td><td>57.8</td></tr><tr><td>2k</td><td>51.6</td></tr><tr><td>4k</td><td>46.3</td></tr><tr><td>8k</td><td>42.8</td></tr><tr><td>Sum</td><td>59.5</td></tr></table> |                      |   |  | Octave bands [Hz] | LpA [dB(A)] | 63 | 13.3 | 125 | 23.9 | 250 | 37.1 | 500 | 48.8 | 1k | 57.8 | 2k | 51.6 | 4k | 46.3 | 8k | 42.8 | Sum | 59.5 |
| Octave bands [Hz]  | LpA [dB(A)]          |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 63   | 13.3                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 125  | 23.9                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 250  | 37.1                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 500  | 48.8                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 1k   | 57.8                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 2k   | 51.6                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 4k   | 46.3                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| 8k   | 42.8                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| Sum  | 59.5                 |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| Sound pressure level $L_{pA}$ : 59.5 [dB(A)]   |                      |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| Sound power level $L_{WA}$ : 71.5 [dB(A)]  |                      |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| Notes:   |                      | References:   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| •Sound power values $L_{WA}$ determined according to IEC 60034-9, ISO 3745 and ISO 4871.<br>- Associated uncertainty $K_{WA} = 3$ [dB(A)]<br>- “The sum of measured noise emission values and its associated uncertainty represents an upper boundary of the range of values which is likely to occur in measurements”.  |                      | (IEC 60034-9, ISO 3745 & 4871)<br>(IEC 60064-9; Clause 8)<br>(ISO 4871; Section B2) |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| •Sound power evaluated at rated speed and no load as specified in IEC 60034-9.<br>- “The sound power levels, under full load condition, are normally higher than those at no-load. Generally, if ventilation noise is predominant the change may be small; but, if the electromagnetic noise is predominant the change may be significant”.  |                      | (IEC 60034; Clause 5.2)<br>(IEC 60034-9; Clause 6, Note 2)                          |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| - Additionally - as outlined in IEC 60034-9 Amendment 1 - an increase in the noise level may also occur on variable speed drives due to increased level of higher harmonics and potential coincidence between these and structural resonances.   |                      | (IEC 60034-9 amd 1; Clause 7)   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| •The equivalent sound pressure level $L_{pA}$ at 1 m distance are determined from the sound power level via ISO 11203 method Q2<br>- The observer surface area $S$ is given by a box shape enveloping the source – and here calculated for a specified distance of 1 m between the source and the observer surface.<br>The emission sound pressure level obtained with this method represents the  |                      | (IEC 60034; Clause 5.2)<br><br>(ISO 11203; Clause 6.2.3)                            |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |
| average sound pressure level over the surface of area $S$ in environmental conditions approximating to a free field over a reflecting plane”.  |                      |   |  |                   |             |    |      |     |      |     |      |     |      |    |      |    |      |    |      |    |      |     |      |

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