

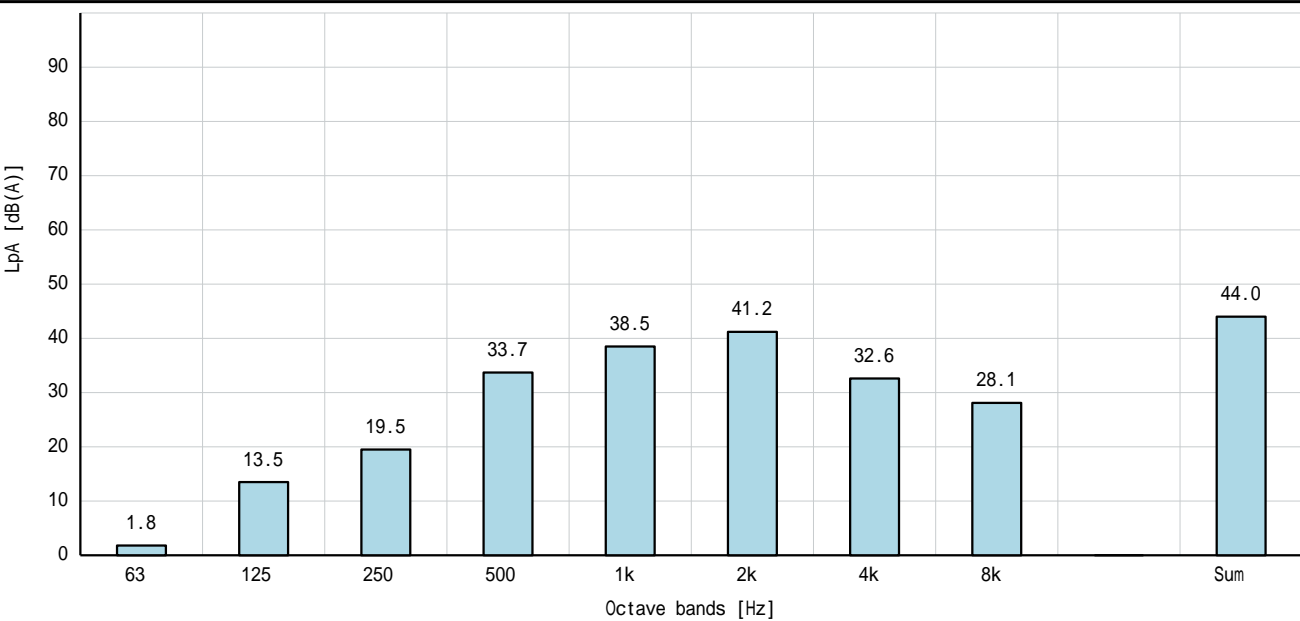
声音测量报告

ISO 3745

目标: 电机类型: MLE90D 电压 (U): 3 x 440-480 [V]
f: 50/60 [Hz]
P2: 2.2 [千瓦]
n: 3480 - 4000 [转数 / 分钟]

测试条件: Load: No load / Idle Sound test: 400 [V]
f: 50 [Hz]
P2: 0 [千瓦]
n: 1500 [转数 / 分钟]

批注:



Sound pressure level L_{pA} : 44.0 [dB(A)]

Sound power level L_{WA} : 56.0 [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)

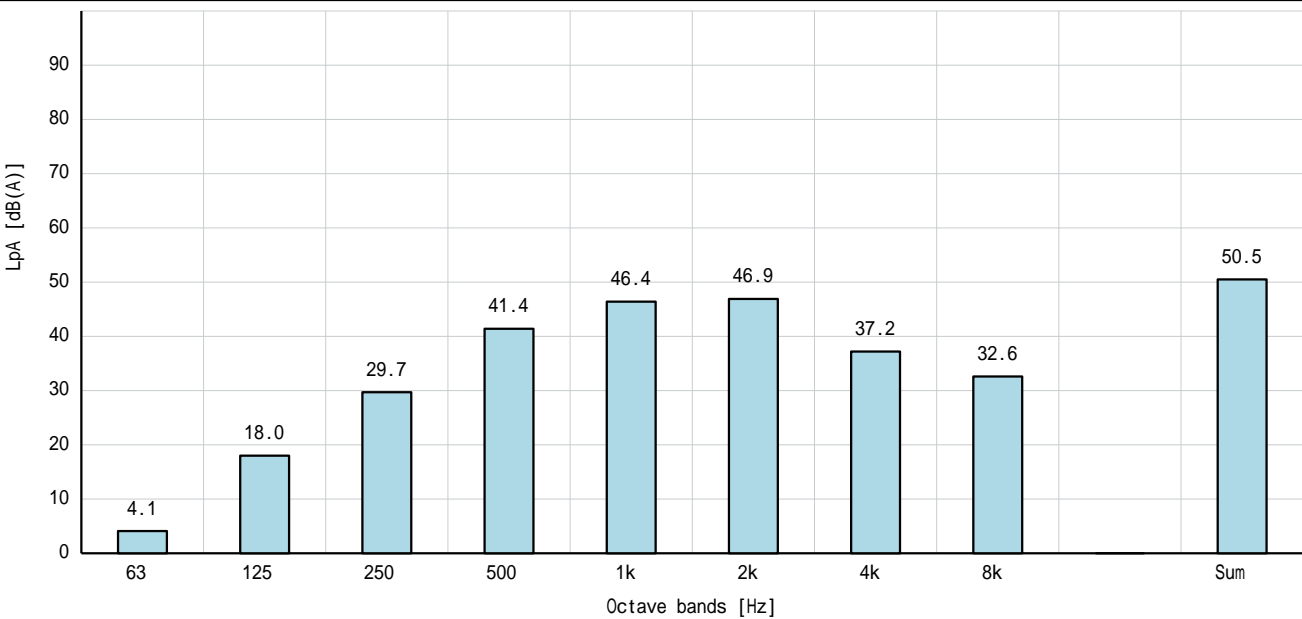
声音测量报告

ISO 3745

目标: 电机类型: MLE90D 电压 (U): 3 x 440-480 [V]
f: 50/60 [Hz]
P2: 2.2 [千瓦]
n: 3480 - 4000 [转数 / 分钟]

测试条件: Load: No load / Idle Sound test: 400 [V]
f: 50 [Hz]
P2: 0 [千瓦]
n: 2250 [转数 / 分钟]

批注:



Sound pressure level L_{pA} : 50.5 [dB(A)]

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

Notes:

- Sound power values L_{WA} determined according to IEC 60034-9, ISO 3745 and ISO 4871.
 - Associated uncertainty $K_{WA} = 3$ [dB(A)]
 - "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".
- Sound power evaluated at rated speed and no load as specified in IEC 60034-9.
 - "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".
 - 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.
- The equivalent sound pressure level L_{pA} at 1 m distance are determined from the sound power level via ISO 11203 method Q2.
 - 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".

References:

(IEC 60034-9, ISO 3745 & 4871)

(IEC 60064-9; Clause 8)

(ISO 4871; Section B2)

(IEC 60034; Clause 5.2)

(IEC 60034-9; Clause 6, Note 2)

(IEC 60034-9 and 1; Clause 7)

(IEC 60034; Clause 5.2)

(ISO 11203; Clause 6.2.3)

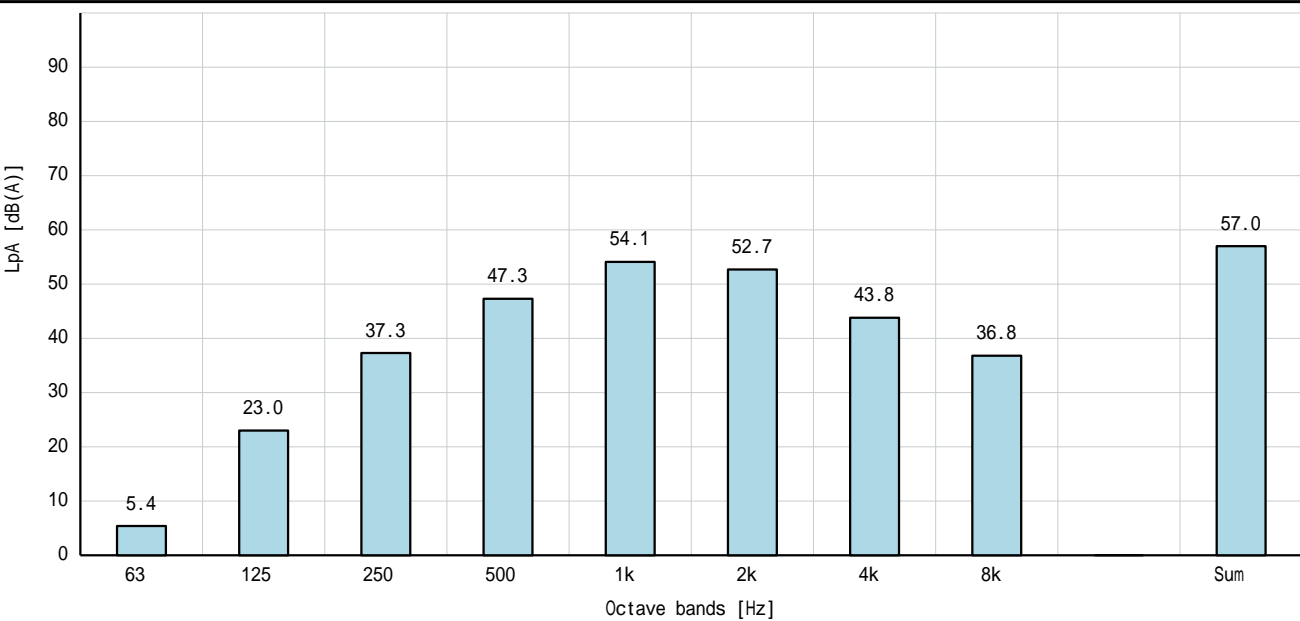
声音测量报告

ISO 3745

目标: 电机类型: MLE90D 电压 (U): 3 x 440-480 [V]
f: 50/60 [Hz]
P2: 2.2 [千瓦]
n: 3480 - 4000 [转数 / 分钟]

测试条件: Load: No load / Idle Sound test: 400 [V]
f: 50 [Hz]
P2: 0 [千瓦]
n: 3000 [转数 / 分钟]

批注:



Sound pressure level L_{pA} : 57.0 [dB(A)]

Sound power level L_{WA} : 69.5 [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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| | | f: | 50/60 [Hz] |
| | | P2: | 2.2 [千瓦] |
| | | n: | 3480 - 4000 [转数 / 分钟] |
| 测试条件: | Load: No load / Idle | Sound test: | 400 [V] |
| | | f: | 50 [Hz] |
| | | P2: | 0 [千瓦] |
| | | n: | 3600 [转数 / 分钟] |
| 批注: | | | |
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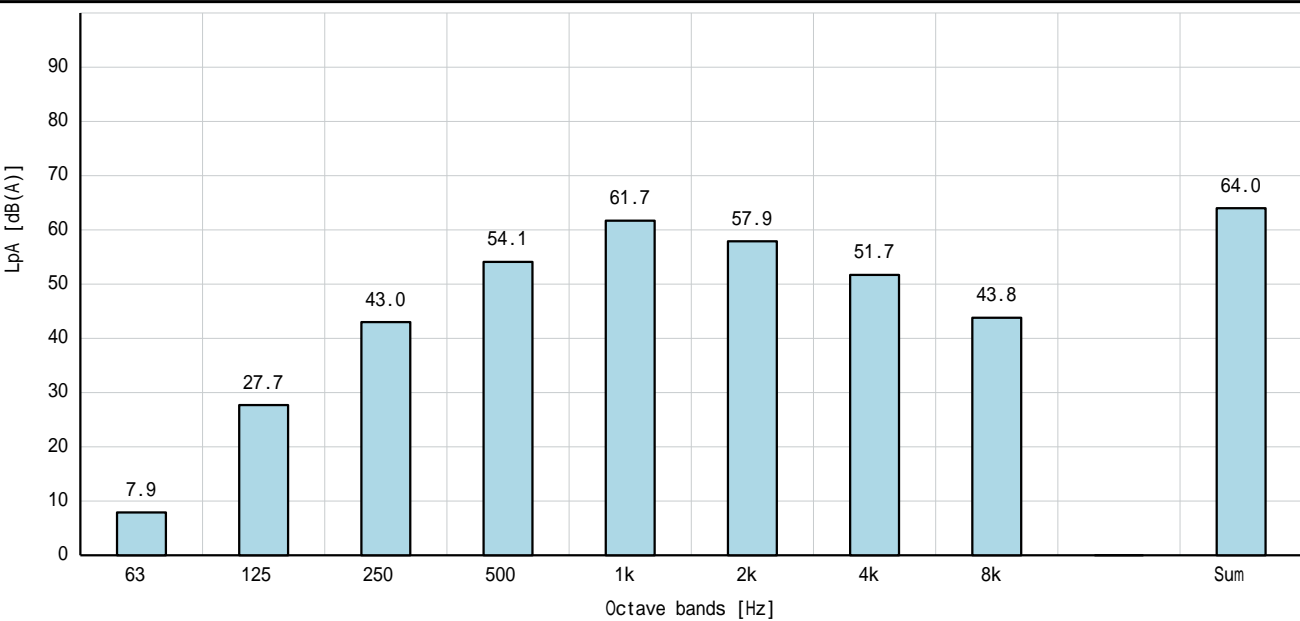
声音测量报告

ISO 3745

目标: 电机类型: MLE90D 电压 (U): 3 x 440-480 [V]
f: 50/60 [Hz]
P2: 2.2 [千瓦]
n: 3480 - 4000 [转数 / 分钟]

测试条件: Load: No load / Idle Sound test: 400 [V]
f: 50 [Hz]
P2: 0 [千瓦]
n: 4000 [转数 / 分钟]

批注:



Sound pressure level L_{pA} : 64.0 [dB(A)]

Sound power level L_{WA} : 76.0 [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)
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