

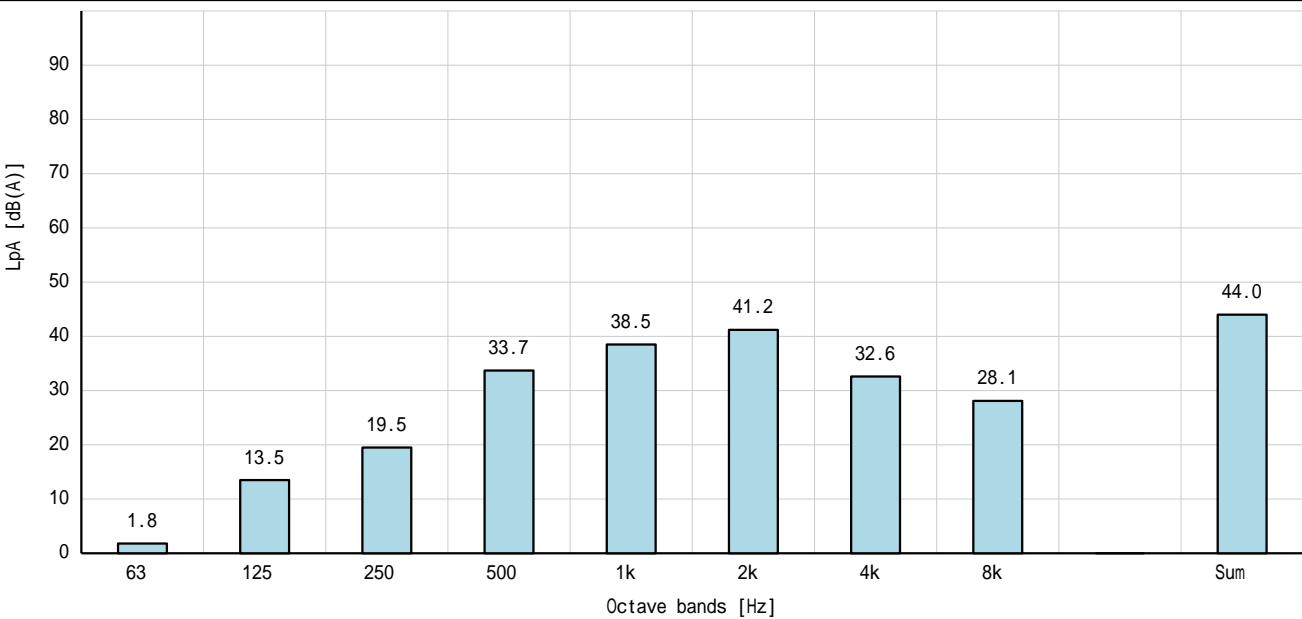
# 声音测量报告

## ISO 3745

目标: 电机类型: MGE90LD 电压 (U): 3 x 380-500 [V]  
f: 50/60 [Hz]  
P2: 2.2 [千瓦]  
n: 2900 - 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)

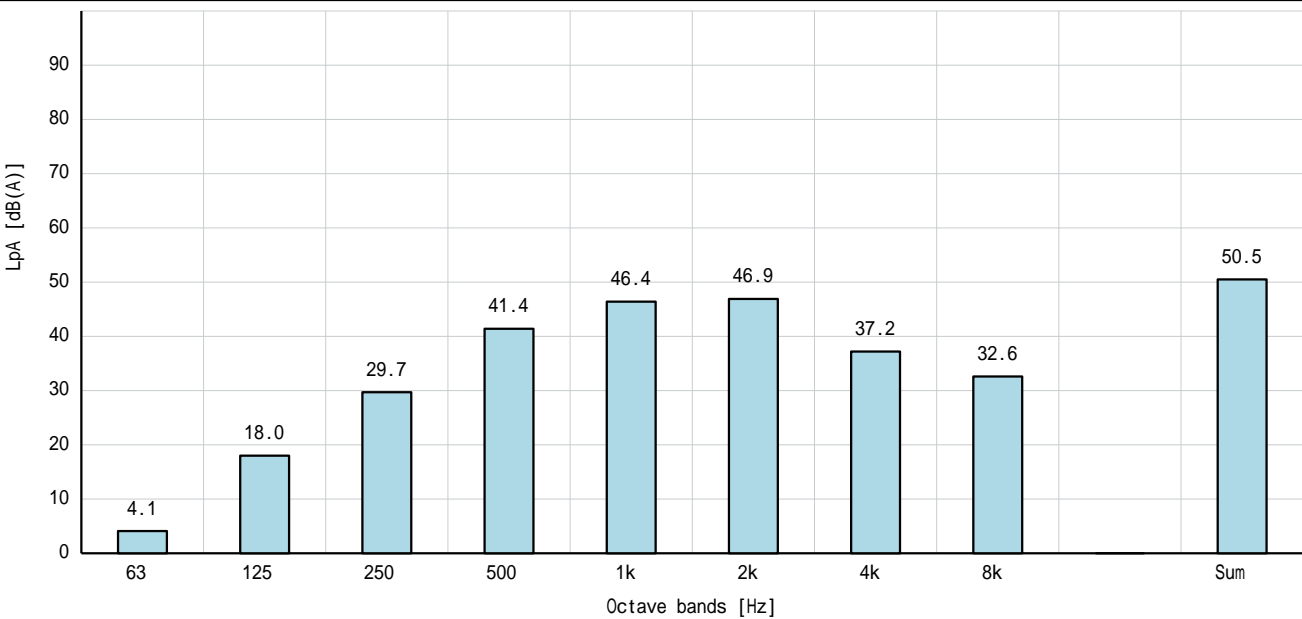
# 声音测量报告

## ISO 3745

目标: 电机类型: MGE90LD 电压 (U): 3 x 380-500 [V]  
f: 50/60 [Hz]  
P2: 2.2 [千瓦]  
n: 2900 - 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)

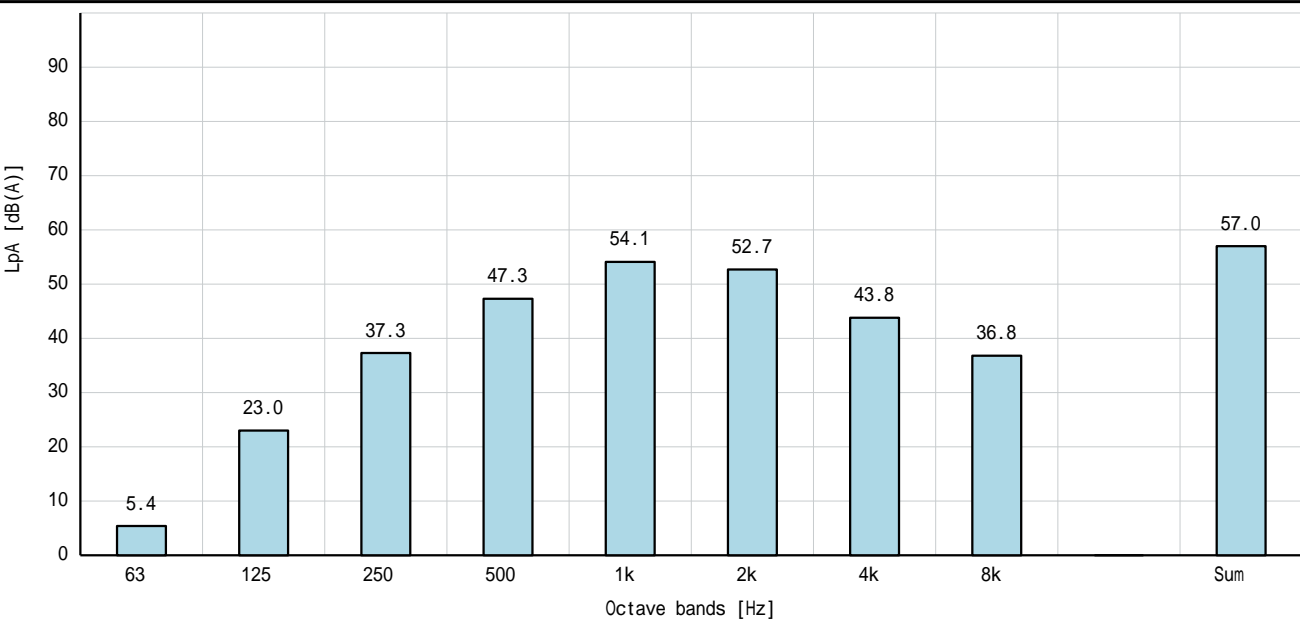
声音测量报告

ISO 3745

目标: 电机类型: MGE90LD 电压 (U): 3 x 380-500 [V]  
f: 50/60 [Hz]  
P2: 2.2 [千瓦]  
n: 2900 - 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)  
- “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			
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		P2:	2.2 [千瓦]
		n:	2900 - 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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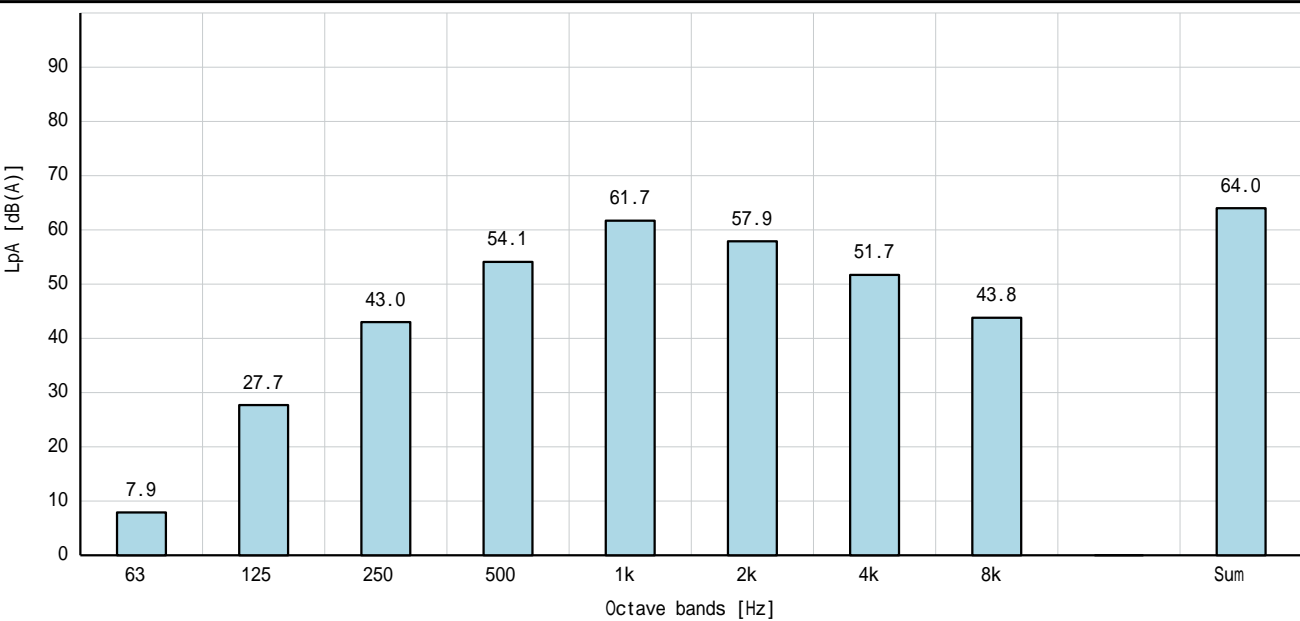
声音测量报告

ISO 3745

目标: 电机类型: MGE90LD 电压 (U): 3 x 380-500 [V]  
f: 50/60 [Hz]  
P2: 2.2 [千瓦]  
n: 2900 - 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)  
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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)