

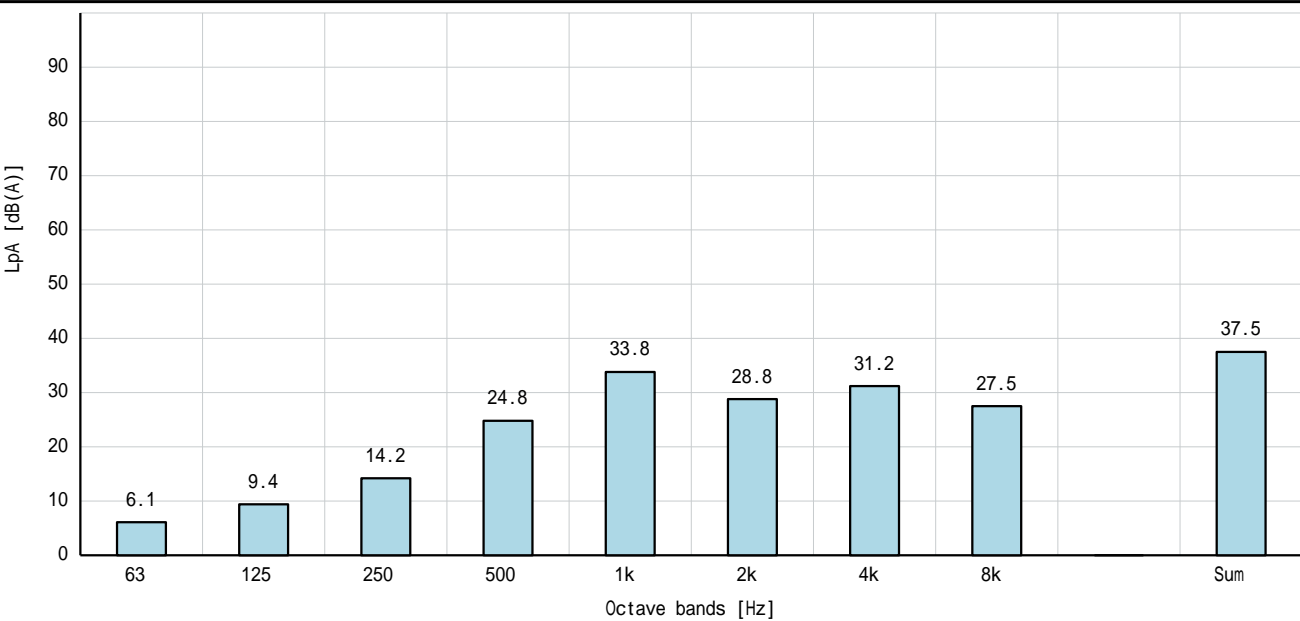
声音测量报告

ISO 3745

目标: 电机类型: MGE71A 电压 (U): 200-240 [V]
f: 50/60 [Hz]
P2: 0.37 [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]

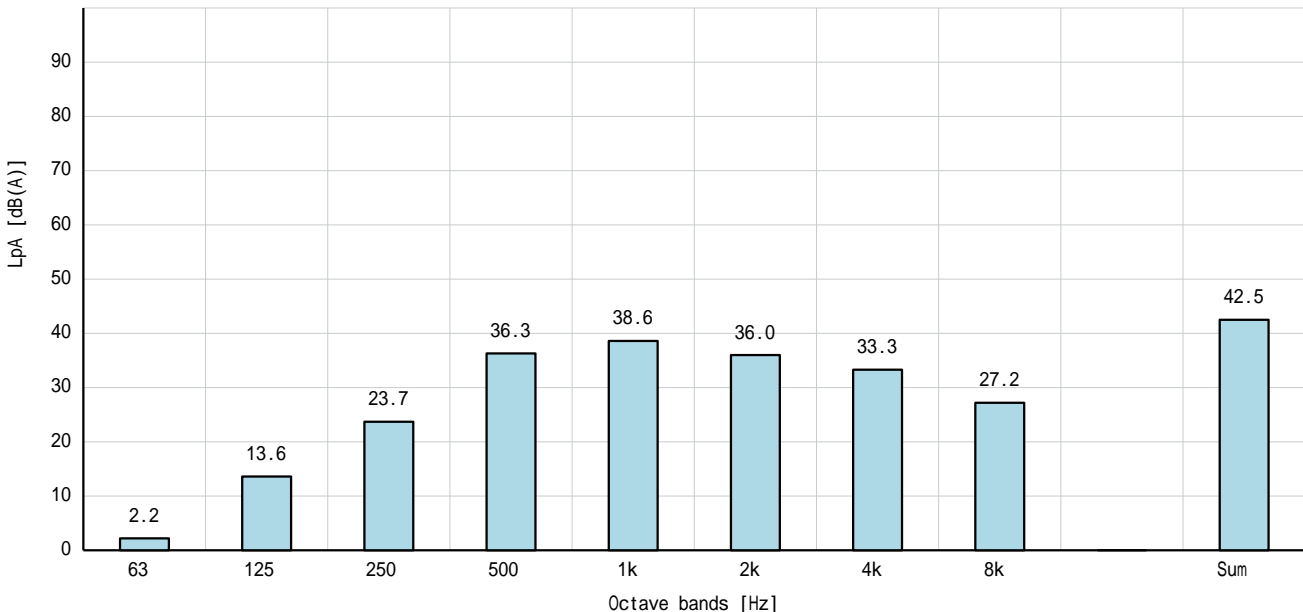
批注:



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)

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		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:																							
<div><table><tr><th>Octave bands [Hz]</th><th>LpA [dB(A)]</th></tr><tr><td>63</td><td>2.2</td></tr><tr><td>125</td><td>13.6</td></tr><tr><td>250</td><td>23.7</td></tr><tr><td>500</td><td>36.3</td></tr><tr><td>1k</td><td>38.6</td></tr><tr><td>2k</td><td>36.0</td></tr><tr><td>4k</td><td>33.3</td></tr><tr><td>8k</td><td>27.2</td></tr><tr><td>Sum</td><td>42.5</td></tr></table></div>				Octave bands [Hz]	LpA [dB(A)]	63	2.2	125	13.6	250	23.7	500	36.3	1k	38.6	2k	36.0	4k	33.3	8k	27.2	Sum	42.5
Octave bands [Hz]	LpA [dB(A)]																						
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250	23.7																						
500	36.3																						
1k	38.6																						
2k	36.0																						
4k	33.3																						
8k	27.2																						
Sum	42.5																						
Sound pressure level L_{pA} : 42.5 [dB(A)]																							
Sound power level L_{WA} : 54.5 [dB(A)]																							
Notes:		References:																					
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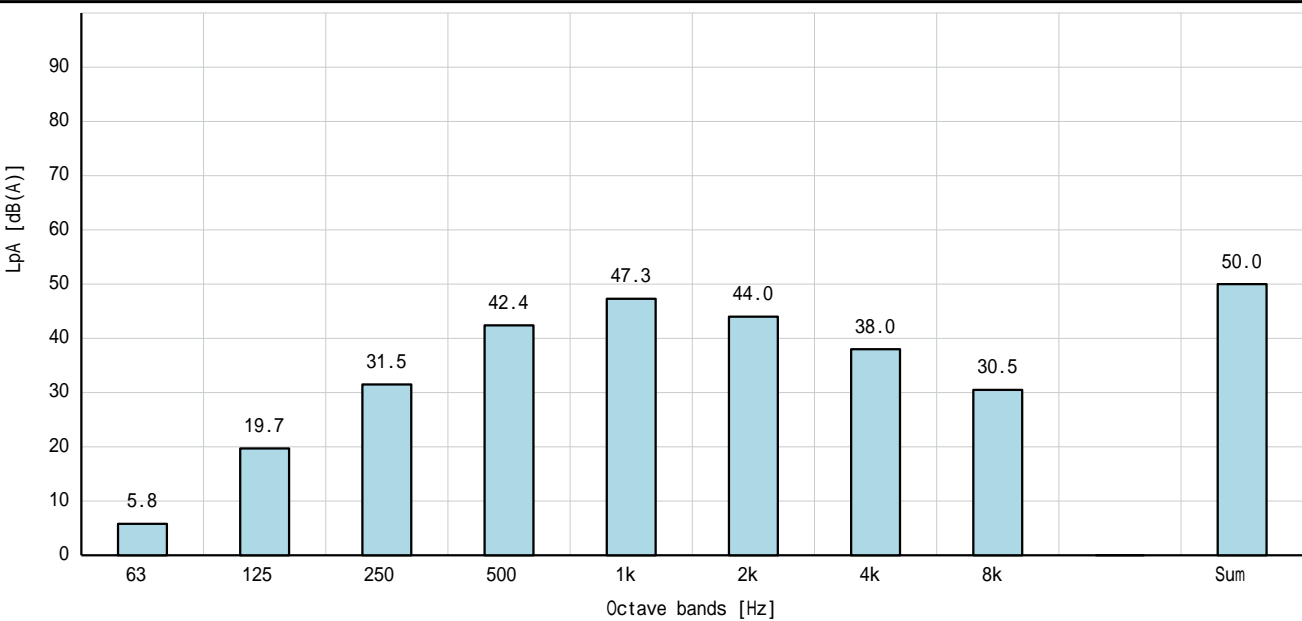
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f: 50/60 [Hz]
P2: 0.37 [千瓦]
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测试条件: Load: No load / Idle Sound test: 230 [V]
f: 50 [Hz]
P2: 0 [千瓦]
n: 3000 [转数 / 分钟]

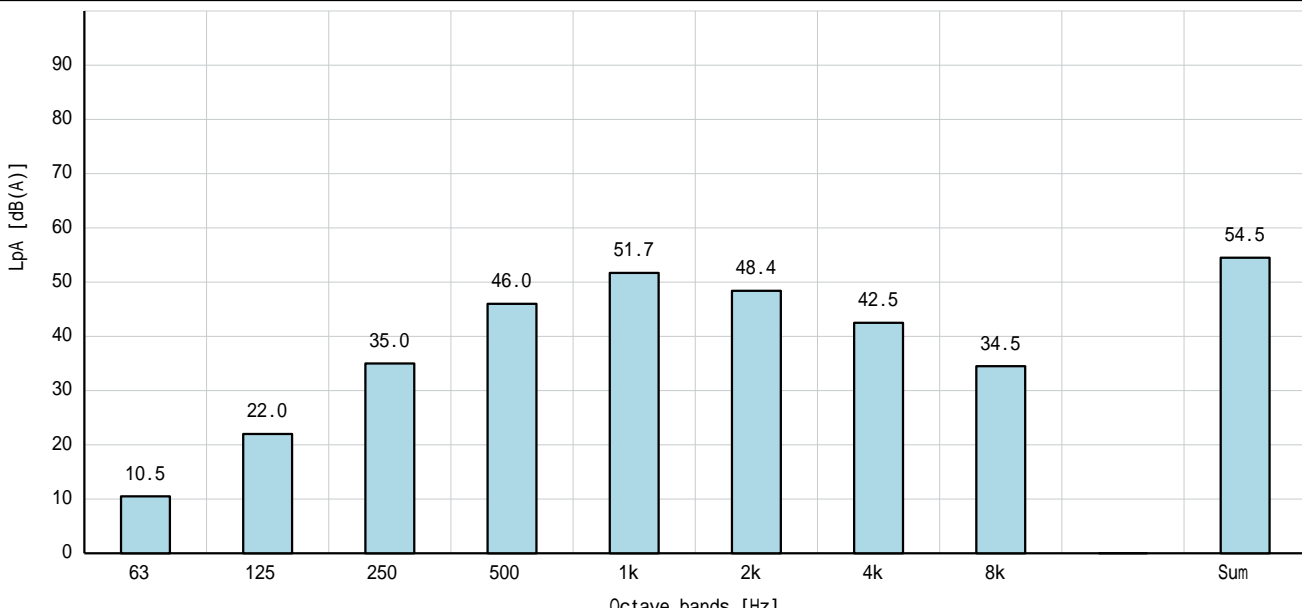
批注:



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

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

Notes: References:
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4/5

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