#### 声音测量报告 ISO 3745 电压(U): 200-240 [V] 目标: 电机类型: MGE71A 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] 0 [千瓦] P2 · n: 1500 [转数/分钟] 批注: 90 80 70 [dB(A)] 60 LpA 50 37.5 40 33.8 31.2 28.8 27.5 30 24.8 20 14.2 9.4 10 6.1

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

1k

Octave bands [Hz]

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

0

ulletSound power values L  $_{W\ A}$  determined according to IEC 60034-9, ISO 3745 and ISO 4871.

250

-Associated uncertainty K  $_{WA}$  = 3 [dB(A)]

125

- "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".

500

•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 (IEC 60034-9; Clause 6, Note 2)
- 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.
- ${}^{ullet}$  The equivalent sound pressure level L  $_{
  m pA}$  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

References:

8k

(IEC 60034-9, ISO 3745 & 4871)

(IEC 60064-9; Clause 8)

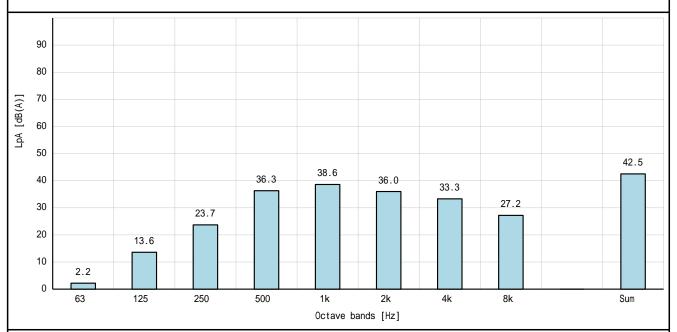
(ISO 4871; Section B2)

(IEC 60034; Clause 5.2)

(IEC 60034-9 amd 1; Clause 7)

(IEC 60034; Clause 5.2)

#### ISO 3745 电压(U): 200-240 [V] 目标: 电机类型: MGE71A 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] 0 [千瓦] P2 · 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)]

References:

ulletSound power values L  $_{W\ A}$  determined according to IEC 60034-9, ISO 3745 and ISO 4871.

•Sound power evaluated at rated speed and no load as specified in IEC 60034-9.

(IEC 60034-9, ISO 3745 & 4871)

-Associated uncertainty K  $_{WA}$  = 3 [dB(A)]

(IEC 60064-9; Clause 8) (ISO 4871; Section B2)

- "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; Clause 5.2)

- "The sound power levels, under full load condition, are normally higher than those (IEC 60034-9; Clause 6, Note 2) 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.

(IEC 60034-9 amd 1; Clause 7)

 ${}^{ullet}$  The equivalent sound pressure level L  $_{
m pA}$  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

#### ISO 3745 电压(U): 200-240 [V] 目标: 电机类型: MGE71A 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] 0 [千瓦] P2 · n: 3000 [转数/分钟] 批注: 90 80 70 [dB(A)] 60 LpA 50.0 47.3 50 44.0 42.4 38.0 40 31.5 30.5 30 19.7 20 10 5.8 0 63 125 250 500 1k 8k Octave bands [Hz] Sound pressure level $L_{pA}$ : 50.0 [dB(A)] $L_{WA}$ : 62.5 [dB(A)] Sound power level References: ulletSound power values L $_{W\ A}$ determined according to IEC 60034-9, ISO 3745 and ISO (IEC 60034-9, ISO 3745 & 4871)

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

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.

 ${}^{ullet}$  The equivalent sound pressure level L  $_{
m pA}$  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

(IEC 60034-9 amd 1; Clause 7)

(IEC 60034; Clause 5.2)

(IEC 60064-9; Clause 8)

(ISO 4871; Section B2)

(IEC 60034; Clause 5.2)

100	27/5
1.50	.7/4:1

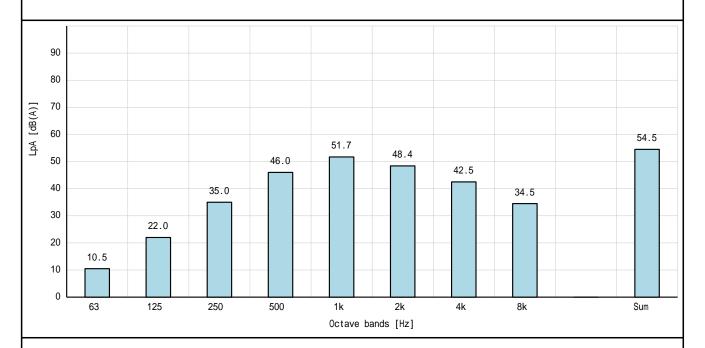
电压(U): 200-240 [V] 电机类型: MGE71A f: 50/60 [Hz]

P2: 0.55 [千瓦] n: 2900 - 4000 [转数 / 分钟]

230 [V] 测试条件: Load: No Load / Idle Sound test:

f: 50 [Hz] 0 [千瓦] P2 · n: 3600 [转数/分钟]

批注:



Sound pressure level  $L_{pA}$ : 54.5 [dB(A)]

 $L_{WA}$ : 66.5 [dB(A)] Sound power level

4871.

ulletSound power values L  $_{W\ A}$  determined according to IEC 60034-9, ISO 3745 and ISO

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

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

at no-load. Generally, if ventilation noise is predominant the change may be

harmonics and potential coincidence between these and structural resonances.  ${}^{ullet}$  The equivalent sound pressure level L  $_{
m pA}$  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

References:

(IEC 60034-9, ISO 3745 & 4871)

(IEC 60064-9; Clause 8)

(ISO 4871; Section B2)

(IEC 60034; Clause 5.2)

(IEC 60034-9 amd 1; Clause 7)

(IEC 60034; Clause 5.2)

### ISO 3745

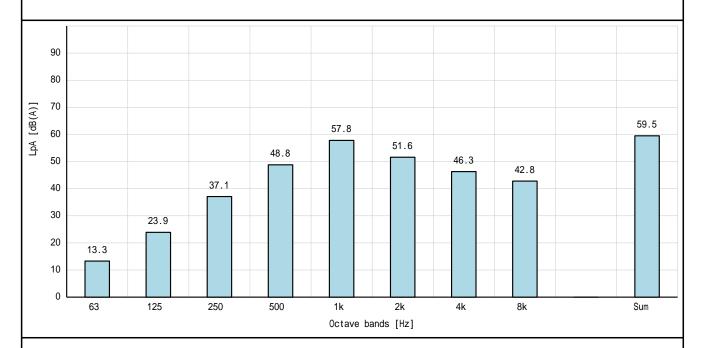
电压(U): 200-240 [V] 目标: 电机类型: MGE71A f: 50/60 [Hz]

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] 0 [千瓦] P2 · n: 4000 [转数/分钟]

批注:



Sound pressure level  $L_{pA}$ : 59.5 [dB(A)]

Sound power level  $L_{WA}$ : 71.5 [dB(A)]

References:

ulletSound power values L  $_{W\ A}$  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) (ISO 4871; Section B2)

- "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; Clause 5.2)

•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 (IEC 60034-9; Clause 6, Note 2)

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 amd 1; Clause 7)

- 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; Clause 5.2)

 ${}^{ullet}$  The equivalent sound pressure level L  $_{
m pA}$  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