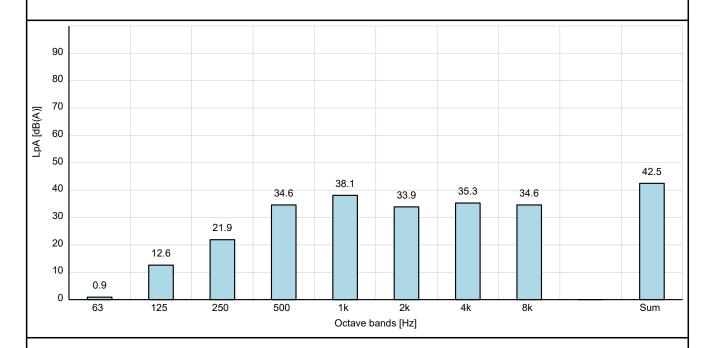
ISO 3745			
Object:	Motor type: MGE90LC	U: f: P2: n:	3 x 380-500 [V] 50/60 [Hz] 2.2 [kW] 4000 - 5900 [rpm]
Test conditions:	Load: No load / Idle	Sound test: f: P2: n:	400 [V] 50 [Hz] 0 [kW] 2000 [rpm]

Comments:



Sound pressure level LpA: 42.5 [dB(A)]

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

Notes:

- Sound power values L $_{\it WA}$ 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)

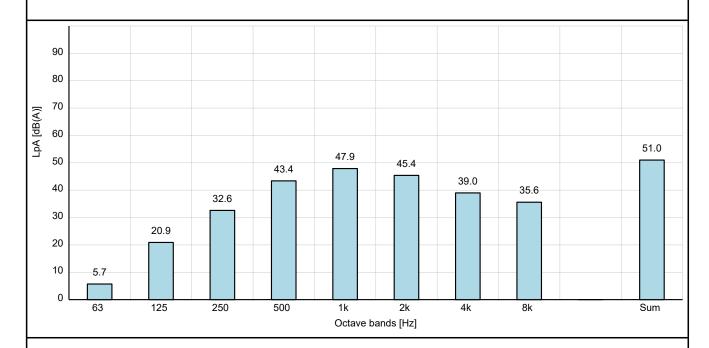
(IEC 60034; Clause 5.2) (IEC 60034-9; Clause 6, Note 2)

(IEC 60034-9 amd 1; Clause 7)

(IEC 60034; Clause 5.2)

ISO 3745				
Object:	Motor type: MGE90LC	U: f: P2: n:	3 x 380-500 [V] 50/60 [Hz] 2.2 [kW] 4000 - 5900 [rpm]	
Test conditions:	Load: No load / Idle	Sound test: f: P2: n:	400 [V] 50 [Hz] 0 [kW] 3100 [rpm]	

Comments:



Sound pressure level LpA: 51.0 [dB(A)]

Sound power level L_{WA} : 63.5 [dB(A)]

Notes:

- Sound power values L $_{\it WA}$ 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)

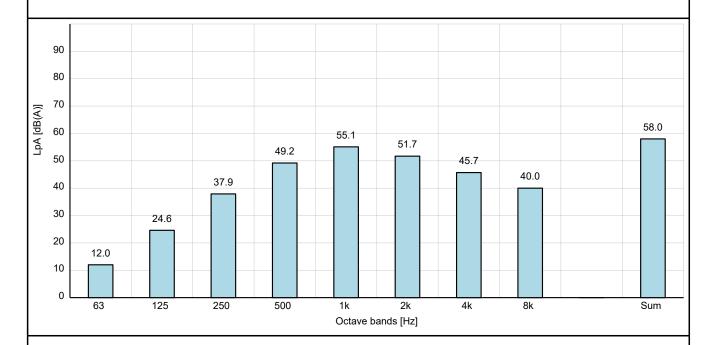
(IEC 60034; Clause 5.2) (IEC 60034-9; Clause 6, Note 2)

(IEC 60034-9 amd 1; Clause 7)

(IEC 60034; Clause 5.2)

ISO 3745				
Object:	Motor type: MGE90LC	U: f: P2: n:	3 x 380-500 [V] 50/60 [Hz] 2.2 [kW] 4000 - 5900 [rpm]	
Test conditions:	Load: No load / Idle	Sound test: f: P2: n:	400 [V] 50 [Hz] 0 [kW] 4000 [rpm]	

Comments:



Sound pressure level LpA: 58.0 [dB(A)]

Sound power level L_{WA} : 70.0 [dB(A)]

Notes:

- Sound power values L $_{\it WA}$ 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)

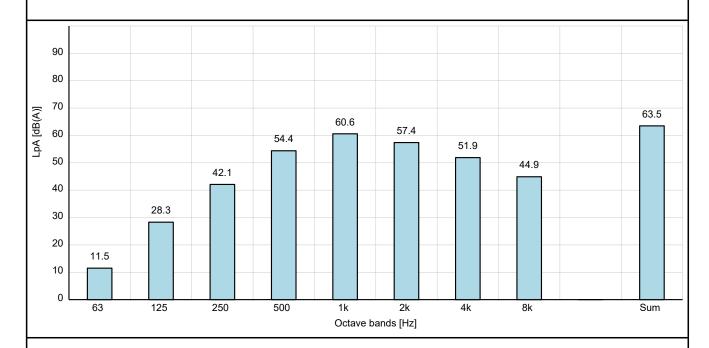
(IEC 60034; Clause 5.2) (IEC 60034-9; Clause 6, Note 2)

(IEC 60034-9 amd 1; Clause 7)

(IEC 60034; Clause 5.2)

ISO 3745				
Object:	Motor type: MGE90LC	U: f: P2: n:	3 x 380-500 [V] 50/60 [Hz] 2.2 [kW] 4000 - 5900 [rpm]	
Test conditions:	Load: No load / Idle	Sound test: f: P2: n:	400 [V] 50 [Hz] 0 [kW] 4850 [rpm]	

Comments:



Sound pressure level LpA: 63.5 [dB(A)]

Sound power level L_{WA} : 75.5 [dB(A)]

Notes:

- Sound power values L $_{\it WA}$ 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)

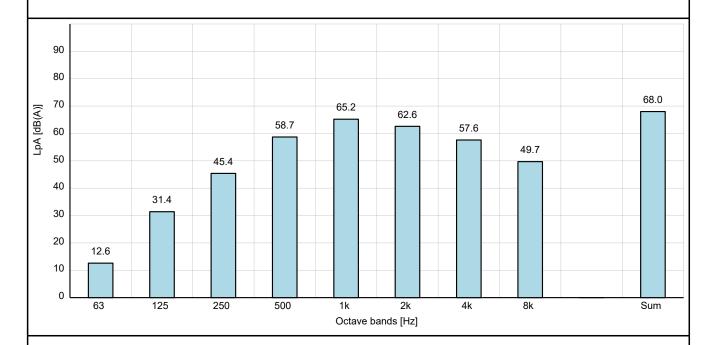
(IEC 60034; Clause 5.2) (IEC 60034-9; Clause 6, Note 2)

(IEC 60034-9 amd 1; Clause 7)

(IEC 60034; Clause 5.2)

ISO 3745				
Object:	Motor type: MGE90LC	U: f: P2: n:	3 x 380-500 [V] 50/60 [Hz] 2.2 [kW] 4000 - 5900 [rpm]	
Test conditions:	Load: No load / Idle	Sound test: f: P2: n:	400 [V] 50 [Hz] 0 [kW] 5900 [rpm]	

Comments:



Sound pressure level LpA: 68.0 [dB(A)]

Sound power level L_{WA}: 80.5 [dB(A)]

Notes:

- Sound power values L $_{\it WA}$ 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 amd 1; Clause 7)

(IEC 60034; Clause 5.2)