# 86906138 MGE90SB 50 Hz

**Sound Measurement Report**
**Sound Power measurement according to DS/ISO-3743**

**Motor type:** MGE90SB **Product number:** 86906138 **Fan diameter:** D128 **[mm]**

**P2:** 1.1 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

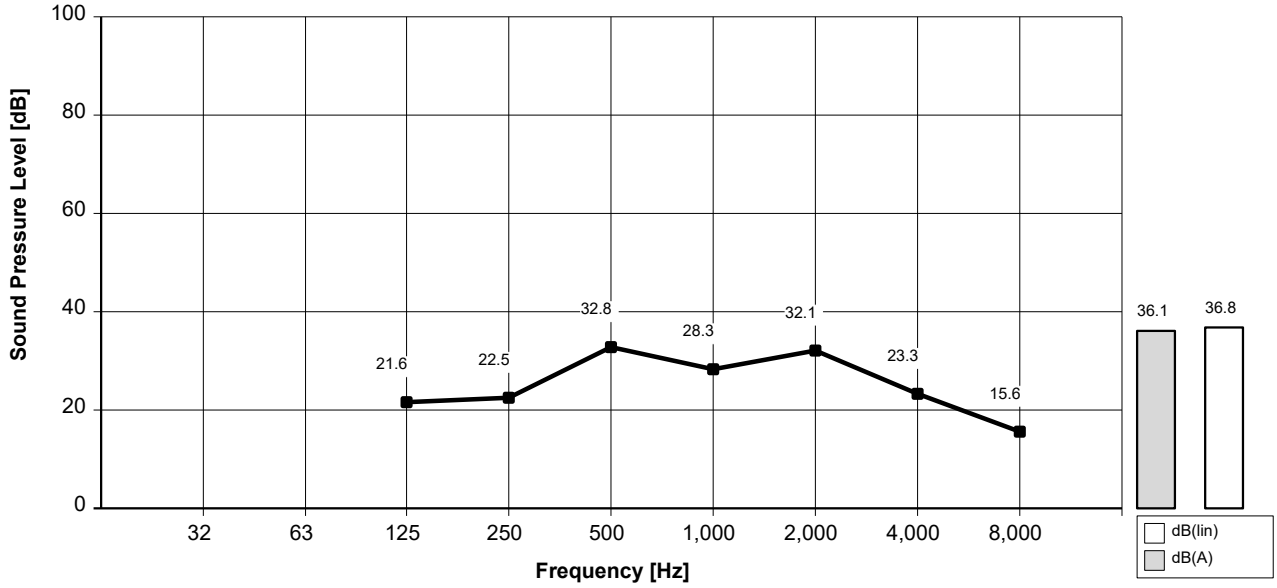
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**Tested at:** 750 (idle) rpm

## Octave Band Level [db]

| Center Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---|---|---|---|---|---|---|---|---|---|
| Sound Power Level re: 1 pW | 33,6 | 34,4 | 44,8 | 40,2 | 44,1 | 35,2 | 27,6 | 48,0 | 48,8 |
| Sound Pressure Average at 1m. re: 20 UPa | 21,6 | 22,5 | 32,8 | 28,3 | 32,1 | 23,3 | 15,6 | 36,1 | 36.8 |

## Sound Pressure calculated according to ISO/DIS 11203 method Q2




**Initials:** KIR **File no.:** LY05116-02.12.2004

**Sound Measurement Report**
**Sound Power measurement according to DS/ISO-3743**

**Motor type:** MGE90SB **Product number:** 86906138 **Fan diameter:** D128 **[mm]**

**P2:** 1.1 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

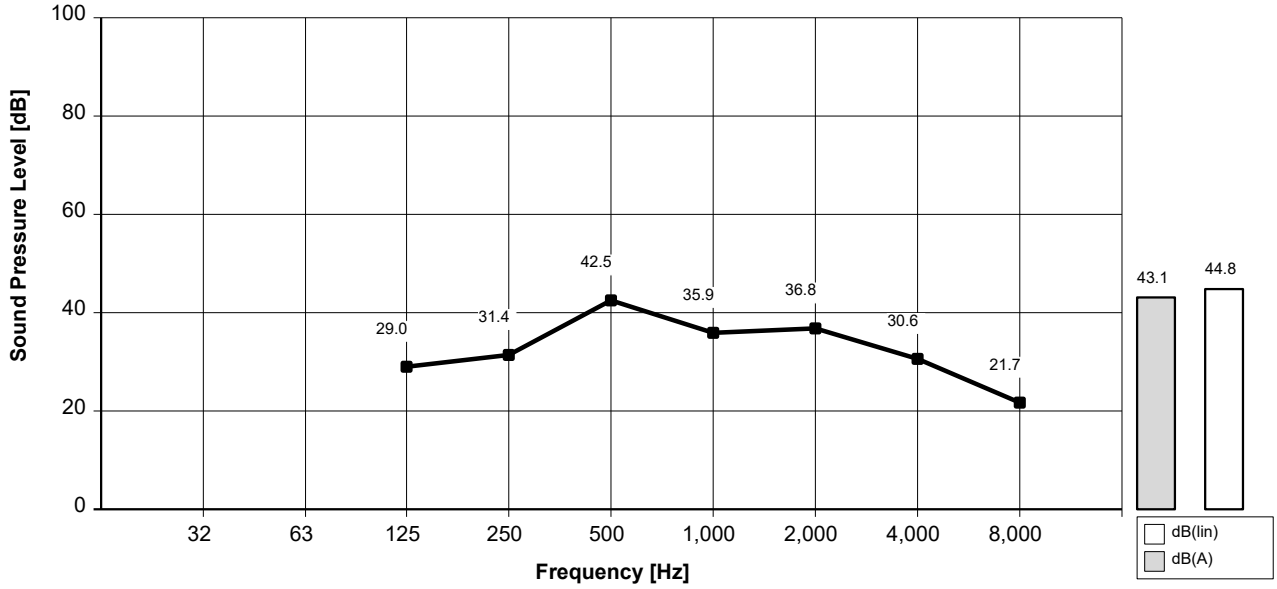
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**Tested at:** 1125 (idle) rpm

## Octave Band Level [db]

| Center Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---|---|---|---|---|---|---|---|---|---|
| Sound Power Level re: 1 pW | 41,0 | 43,3 | 54,5 | 47,8 | 48,7 | 42,6 | 33,7 | 55,1 | 56,7 |
| Sound Pressure Average at 1m. re: 20 UPa | 29,0 | 31,4 | 42,5 | 35,9 | 36,8 | 30,6 | 21,7 | 43,1 | 44,8 |

## Sound Pressure calculated according to ISO/DIS 11203 method Q2




**Initials:** KIR **File no.:** LY05115-02.12.2004

**Sound Measurement Report**
**Sound Power measurement according to DS/ISO-3743**

**Motor type:** MGE90SB **Product number:** 86906138 **Fan diameter:** D128 **[mm]**

**P2:** 1.1 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

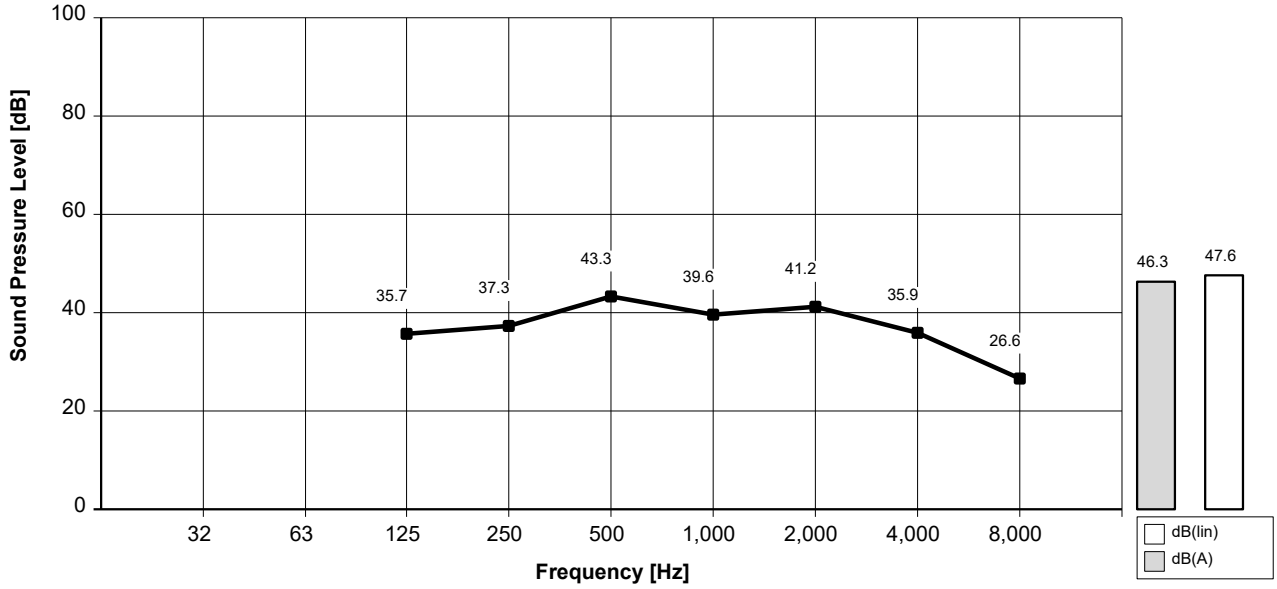
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**Tested at:** 1500 (idle) rpm

## Octave Band Level [db]

| Center Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---|---|---|---|---|---|---|---|---|---|
| Sound Power Level re: 1 pW | 47,7 | 49,3 | 55,3 | 51,5 | 53,2 | 47,9 | 38,6 | 58,3 | 59,5 |
| Sound Pressure Average at 1m. re: 20 UPa | 35,7 | 37,3 | 43,3 | 39,6 | 41,2 | 35,9 | 26,6 | 46,3 | 47,6 |

## Sound Pressure calculated according to ISO/DIS 11203 method Q2




**Initials:** KIR **File no.:** LY05114-02.12.2004

**Sound Measurement Report**
**Sound Power measurement according to DS/ISO-3743**

**Motor type:** MGE90SB **Product number:** 86906138 **Fan diameter:** D128 **[mm]**

**P2:** 1.1 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

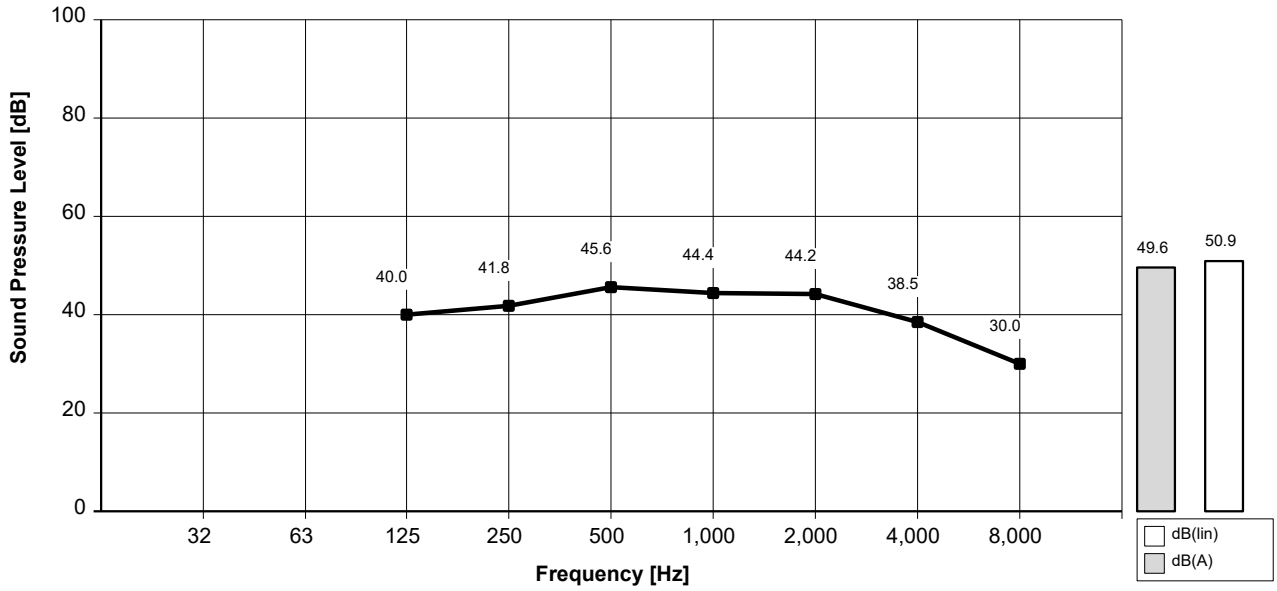
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**Tested at:** 1800 (idle) rpm

## Octave Band Level [db]

| Center Frequency | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---|---|---|---|---|---|---|---|---|---|
| Sound Power Level re: 1 pW | 52,0 | 53,8 | 57,5 | 56,4 | 56,2 | 50,5 | 41,9 | 61,6 | 62,9 |
| Sound Pressure Average at 1m. re: 20 UPa | 40,0 | 41,8 | 45,6 | 44,4 | 44,2 | 38,5 | 30,0 | 49,6 | 50,9 |

## Sound Pressure calculated according to ISO/DIS 11203 method Q2




**Initials:** KIR **File no.:** LY05113-02.12.2004