

86906128 MGE90SB 50 Hz

| Sound Measurement Report                         |                          |                         |                    |
|--------------------------------------------------|--------------------------|-------------------------|--------------------|
| Sound Power measurement according to DS/ISO-3743 |                          |                         |                    |
| Motor type: MGE90SB                              | Product number: 86906128 | Fan diameter: D128 [mm] |                    |
| P2: 1.1 [kW]                                     | U: 400 [V]               | Pole: 4                 | Frequency: 50 [Hz] |

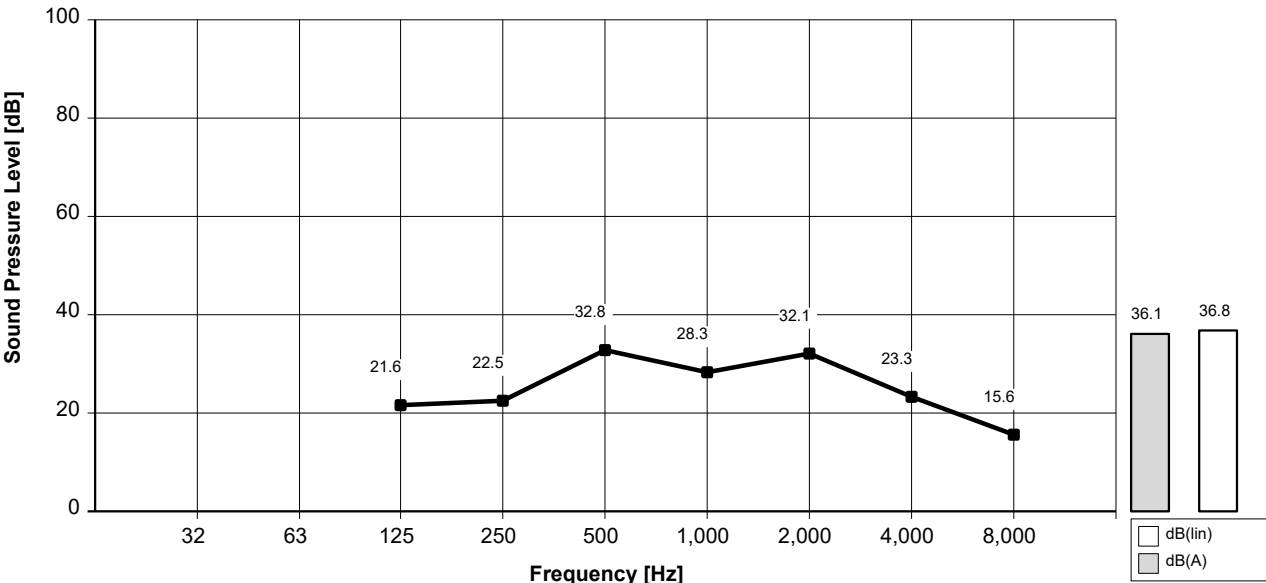
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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

Octave Band Level [db]

| Center Frequency                            | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---------------------------------------------|------|------|------|------|------|------|------|-------|---------|
| Sound Power<br>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<br>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:** 86906128

**Fan diameter:** D128 [mm]

**P2:** 1.1 [kW]

**U:** 400 [V]

**Pole:** 4

**Frequency:** 50 [Hz]

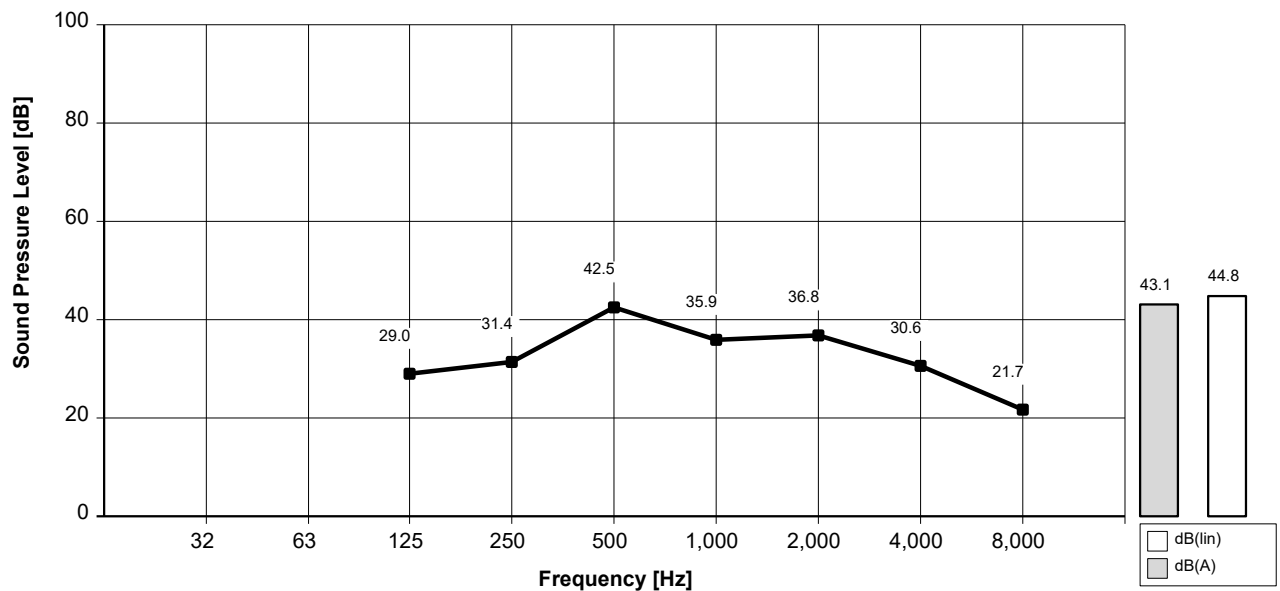
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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

**Octave Band Level [db]**

| Center Frequency                            | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---------------------------------------------|------|------|------|------|------|------|------|-------|---------|
| Sound Power<br>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<br>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:** 86906128

**Fan diameter:** D128 [mm]

**P2:** 1.1 [kW]

**U:** 400 [V]

**Pole:** 4

**Frequency:** 50 [Hz]

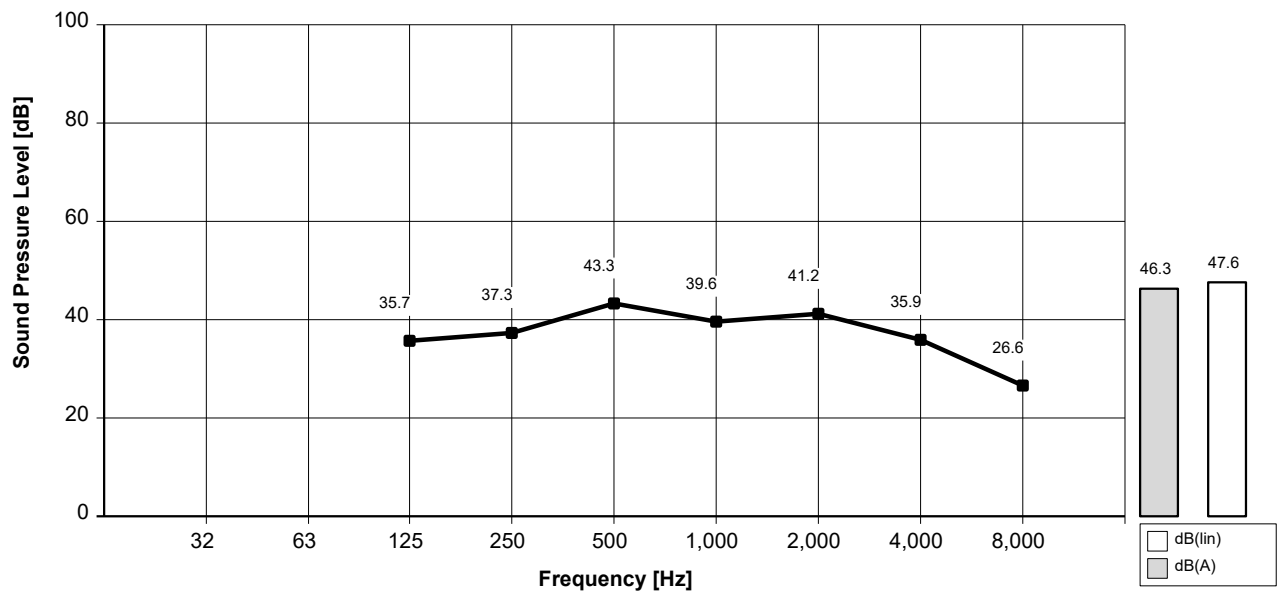
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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

**Octave Band Level [db]**

| Center Frequency                            | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---------------------------------------------|------|------|------|------|------|------|------|-------|---------|
| Sound Power<br>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<br>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:** 86906128

**Fan diameter:** D128 [mm]

**P2:** 1.1 [kW]

**U:** 400 [V]

**Pole:** 4

**Frequency:** 50 [Hz]

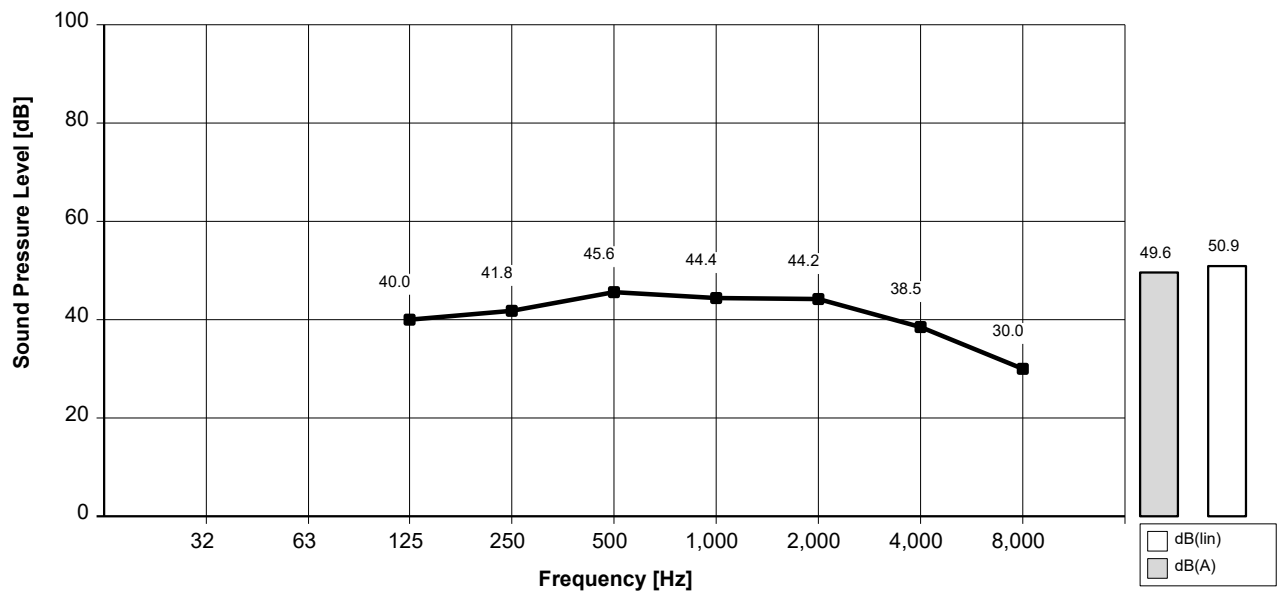
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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

**Octave Band Level [db]**

| Center Frequency                            | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 | dB(A) | dB(lin) |
|---------------------------------------------|------|------|------|------|------|------|------|-------|---------|
| Sound Power<br>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<br>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