

# 85775808 MGE90LC 50 Hz

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

|                     |                          |                         |
|---------------------|--------------------------|-------------------------|
| Motor type: MGE90LC | Product number: 85775808 | Fan diameter: D128 [mm] |
| P2: 2.2 [kW]        | U: 400 [V]               | Pole: 2                 |
|                     |                          | Frequency: 50 [Hz]      |

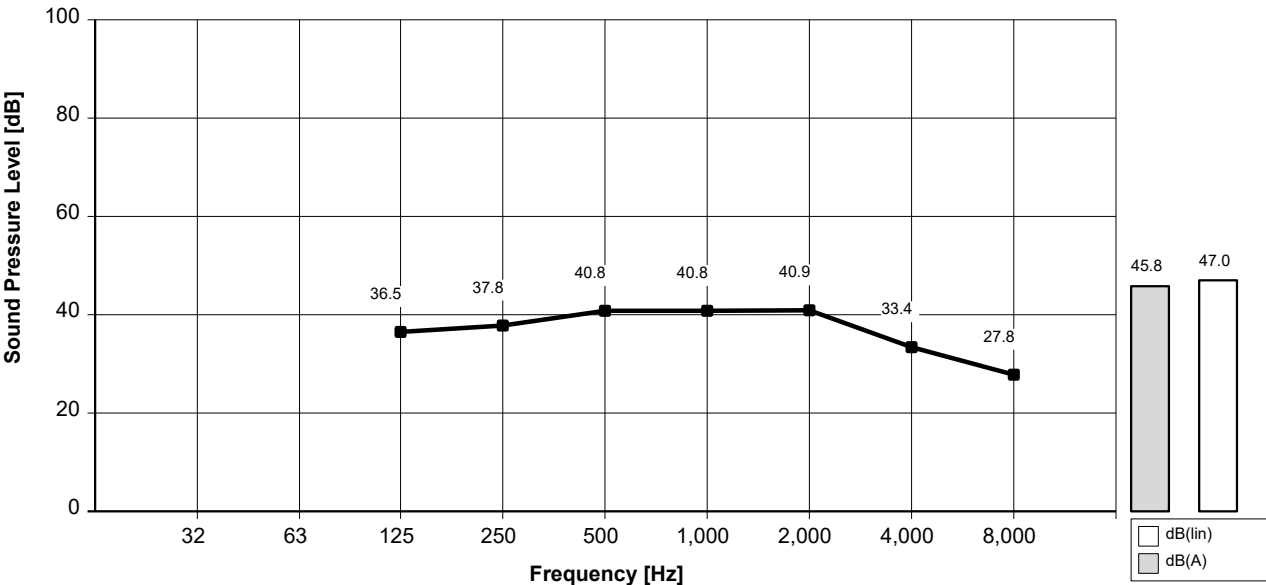
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**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               | 48,6 | 49,8 | 52,8 | 52,9 | 52,9 | 45,4 | 39,8 | 57,8  | 59,0    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 36,5 | 37,8 | 40,8 | 40,8 | 40,9 | 33,4 | 27,8 | 45,8  | 47,0    |

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



Initials: KIR

File no.: LY05136-02.12.2004

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

**Motor type:** MGE90LC

**Product number:** 85775808

**Fan diameter:** D128 [mm]

**P2:** 2.2 [kW]

**U:** 400 [V]

**Pole:** 2

**Frequency:** 50 [Hz]

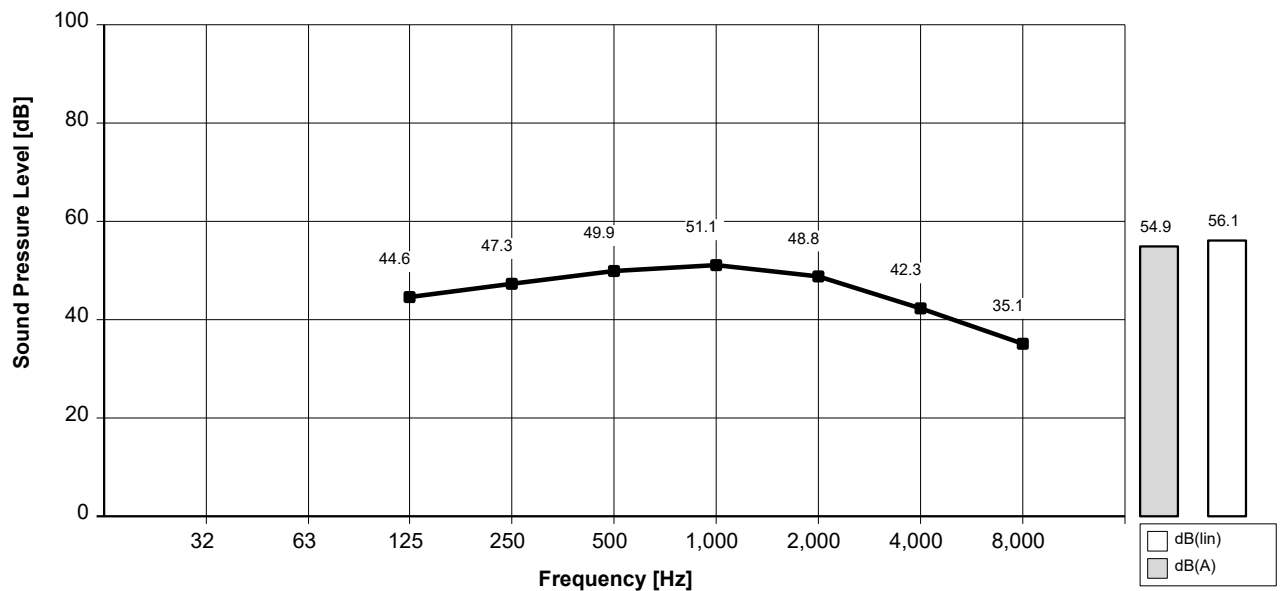
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**Tested at:** 2250 (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               | 56,6 | 59,3 | 61,9 | 63,1 | 60,8 | 54,3 | 47,2 | 66,9  | 68,1    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 44,6 | 47,3 | 49,9 | 51,1 | 48,8 | 42,3 | 35,1 | 54,9  | 56,1    |

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



**Initials:** KIR

**File no.:** LY05135-02.12.2004

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

**Motor type:** MGE90LC

**Product number:** 85775808

**Fan diameter:** D128 [mm]

**P2:** 2.2 [kW]

**U:** 400 [V]

**Pole:** 2

**Frequency:** 50 [Hz]

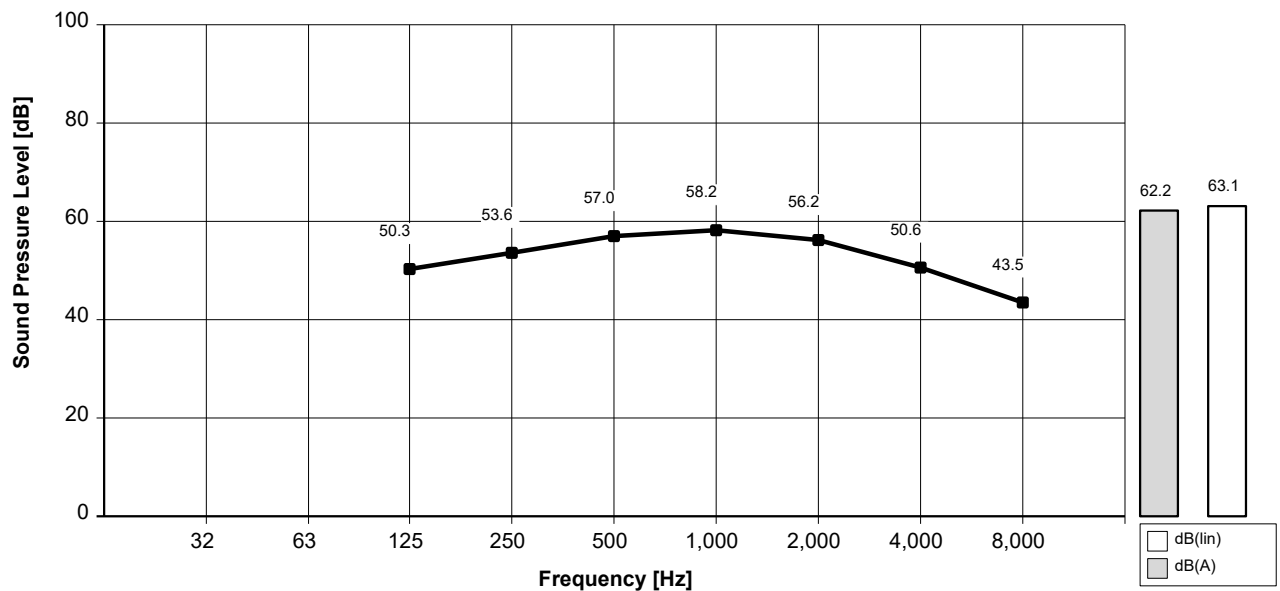
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**Tested at:** 3000 (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               | 62,3 | 65,6 | 69,0 | 70,3 | 68,2 | 62,6 | 55,5 | 74,2  | 75,1    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 50,3 | 53,6 | 57,0 | 58,2 | 56,2 | 50,6 | 43,5 | 62,2  | 63,1    |

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



**Initials:** KIR

**File no.:** LY05134-02.12.2004

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

**Motor type:** MGE90LC

**Product number:** 85775808

**Fan diameter:** D128 [mm]

**P2:** 2.2 [kW]

**U:** 400 [V]

**Pole:** 2

**Frequency:** 50 [Hz]

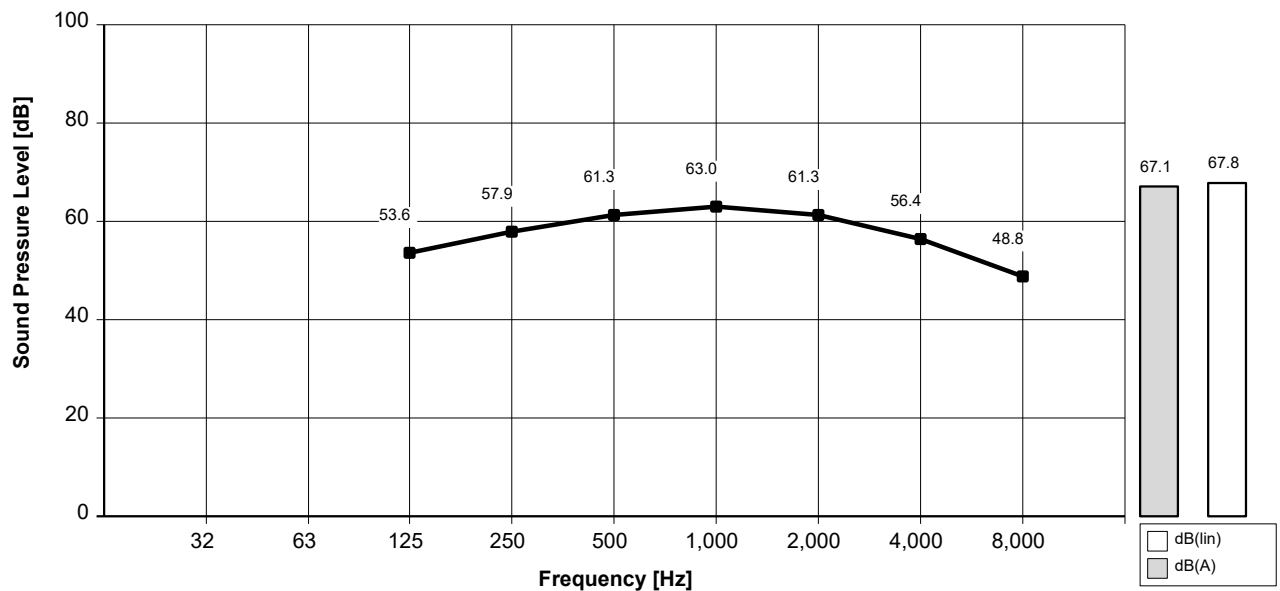
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**Tested at:** 3600 (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               | 65,6 | 69,9 | 73,3 | 75,0 | 73,3 | 68,4 | 60,8 | 79,1  | 79,8    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 53,6 | 57,9 | 61,3 | 63,0 | 61,3 | 56,4 | 48,8 | 67,1  | 67,8    |

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



**Initials:** KIR

**File no.:** LY05133-02.12.2004