

# 85901081 MGE160MD 50 Hz

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

Motor type: MGE160MD Product number: 85901081 Fan diameter: D240 [mm]  
P2: 15 [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               | 53,1 | 48,7 | 57,7 | 58,3 | 56,1 | 54,3 | 46,6 | 62,8  | 63,6    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 40,2 | 35,7 | 44,7 | 45,3 | 43,1 | 41,4 | 33,7 | 49,8  | 50,6    |

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



Initials: KIR

File no.: LY 02.06.2008

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

|                      |                          |                         |
|----------------------|--------------------------|-------------------------|
| Motor type: MGE160MD | Product number: 85901081 | Fan diameter: D240 [mm] |
| P2: 15 [kW]          | U: 400 [V]               | Pole: 2                 |
|                      |                          | Frequency: 50 [Hz]      |

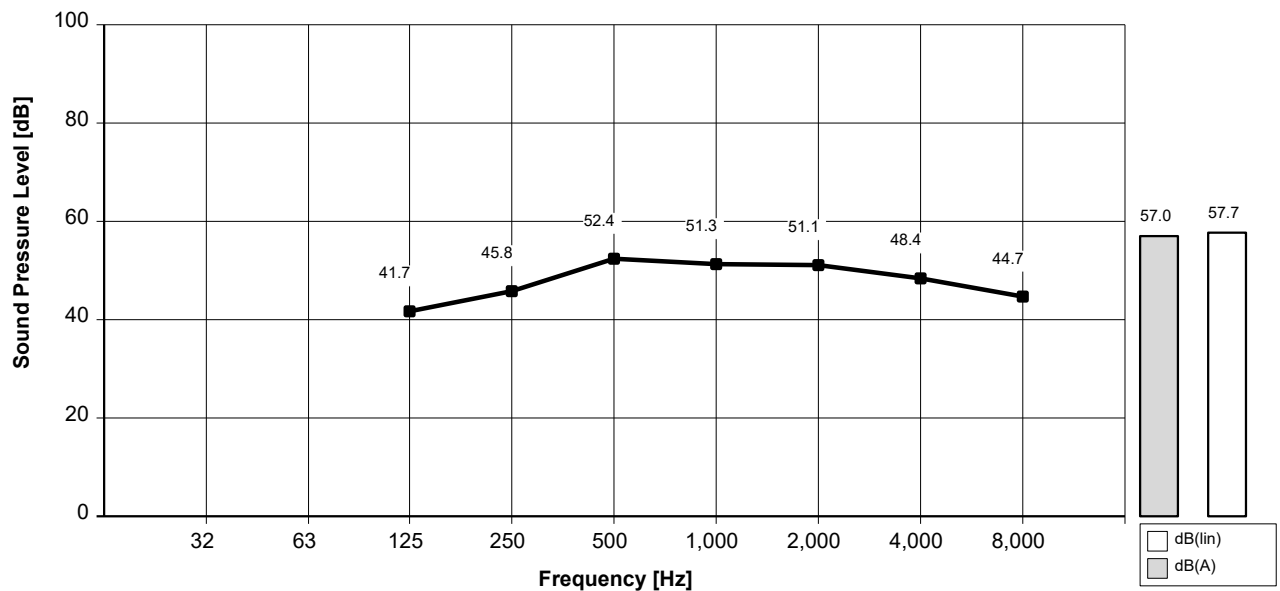
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**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               | 54,7 | 58,8 | 65,4 | 64,3 | 64,0 | 61,4 | 57,7 | 70,0  | 70,7    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 41,7 | 45,8 | 52,4 | 51,3 | 51,1 | 48,4 | 44,7 | 57,0  | 57,7    |

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



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

**Motor type:** MGE160MD

**Product number:** 85901081

**Fan diameter:** D240 [mm]

**P2:** 15 [kW]

**U:** 400 [V]

**Pole:** 2

**Frequency:** 50 [Hz]

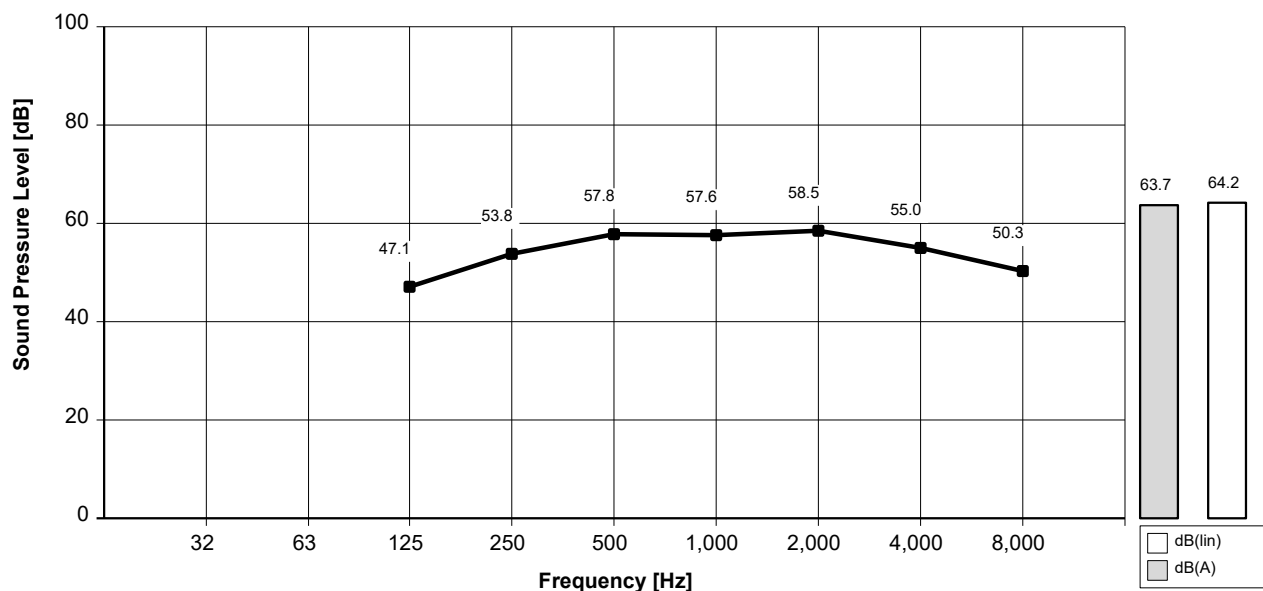
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**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               | 60,1 | 66,7 | 70,8 | 70,6 | 71,5 | 68,0 | 63,2 | 76,6  | 77,1    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 47,1 | 53,8 | 57,8 | 57,6 | 58,5 | 55,0 | 50,3 | 63,7  | 64,2    |

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



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

|                      |                          |                         |
|----------------------|--------------------------|-------------------------|
| Motor type: MGE160MD | Product number: 85901081 | Fan diameter: D240 [mm] |
| P2: 15 [kW]          | U: 400 [V]               | Pole: 2                 |
|                      |                          | Frequency: 50 [Hz]      |

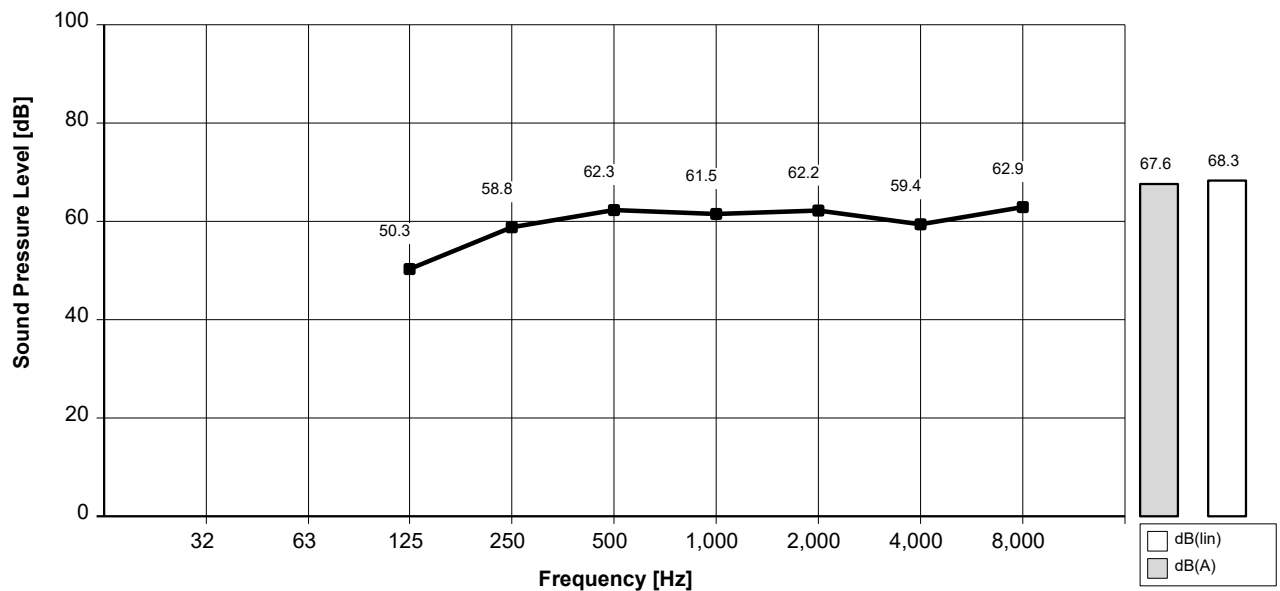
**Remarks:** The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

**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               | 63,2 | 71,7 | 75,3 | 74,5 | 75,2 | 72,4 | 65,9 | 80,6  | 81,2    |
| Sound Pressure Average<br>at 1m. re: 20 UPa | 50,3 | 58,8 | 62,3 | 61,5 | 62,2 | 59,4 | 62,9 | 67,6  | 68,3    |

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



**Initials:** KIR

**File no.:** LY 02.06.2008