86901052 MGE160MB 50 Hz

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

Motor type: MGE160MB **Product number:** 86901052 **Fan diameter:** D270 **[mm]**

P2: 11 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

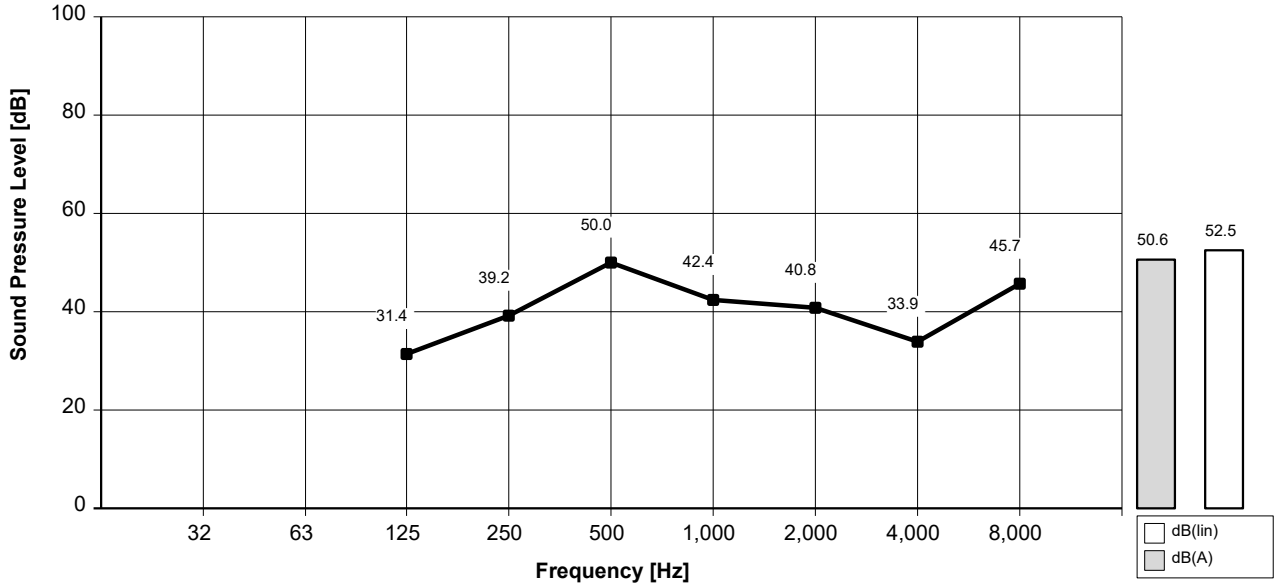
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	44,5	52,2	63,1	55,5	53,9	47,0	58,7	63,6	65,6
Sound Pressure Average at 1m. re: 20 UPa	31,4	39,2	50,0	42,4	40,8	33,9	45,7	50,6	52,5

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: MGE160MB **Product number:** 86901052 **Fan diameter:** D270 **[mm]**

P2: 11 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

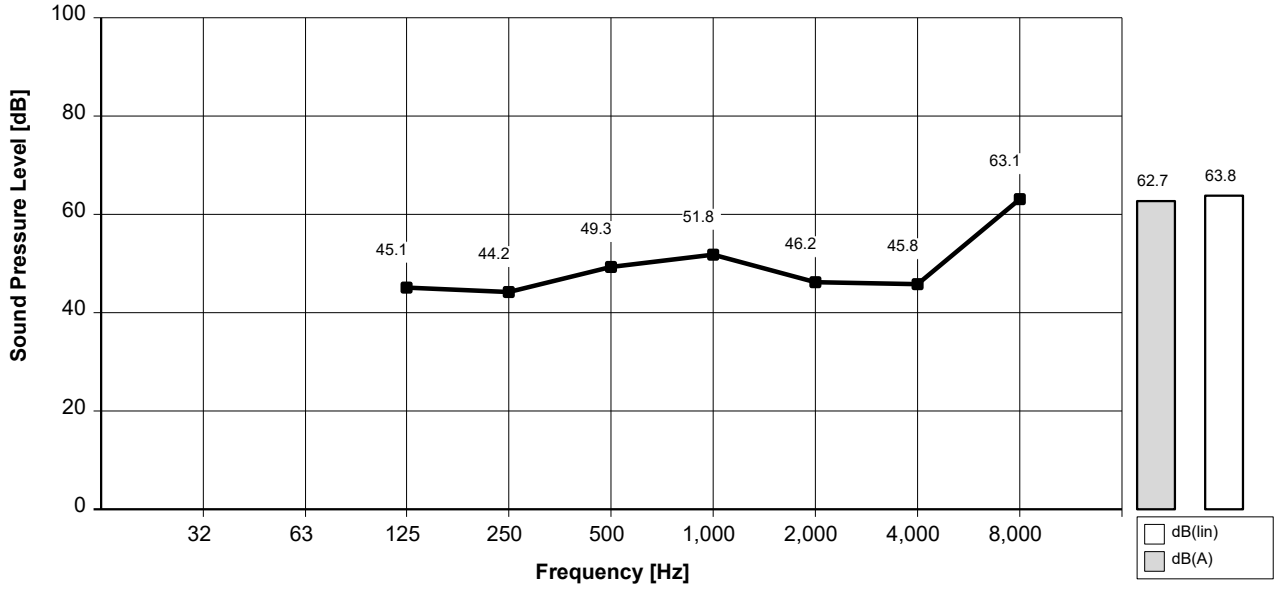
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	58,2	57,3	62,3	64,8	59,2	58,9	76,1	75,8	76,9
Sound Pressure Average at 1m. re: 20 UPa	45,1	44,2	49,3	51,8	46,2	45,8	63,1	62,7	63,8

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR **File no.:** LY 29.09.2008

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

Motor type: MGE160MB **Product number:** 86901052 **Fan diameter:** D270 **[mm]**

P2: 11 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

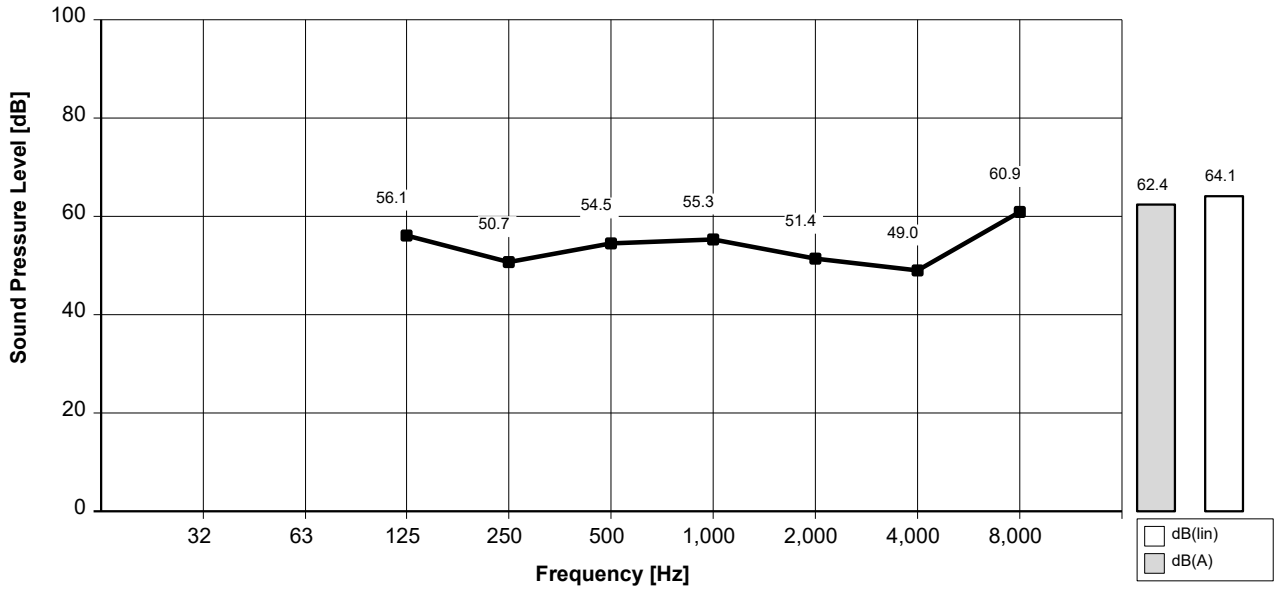
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	69,1	63,7	67,5	68,3	64,4	62,1	74,0	75,4	77,2
Sound Pressure Average at 1m. re: 20 UPa	56,1	50,7	54,5	55,3	51,4	49,0	60,9	62,4	64,1

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR **File no.:** LY 29.09.2008

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

Motor type: MGE160MB **Product number:** 86901052 **Fan diameter:** D270 **[mm]**

P2: 11 **[kW]** **U:** 400 **[V]** **Pole:** 4 **Frequency:** 50 **[Hz]**

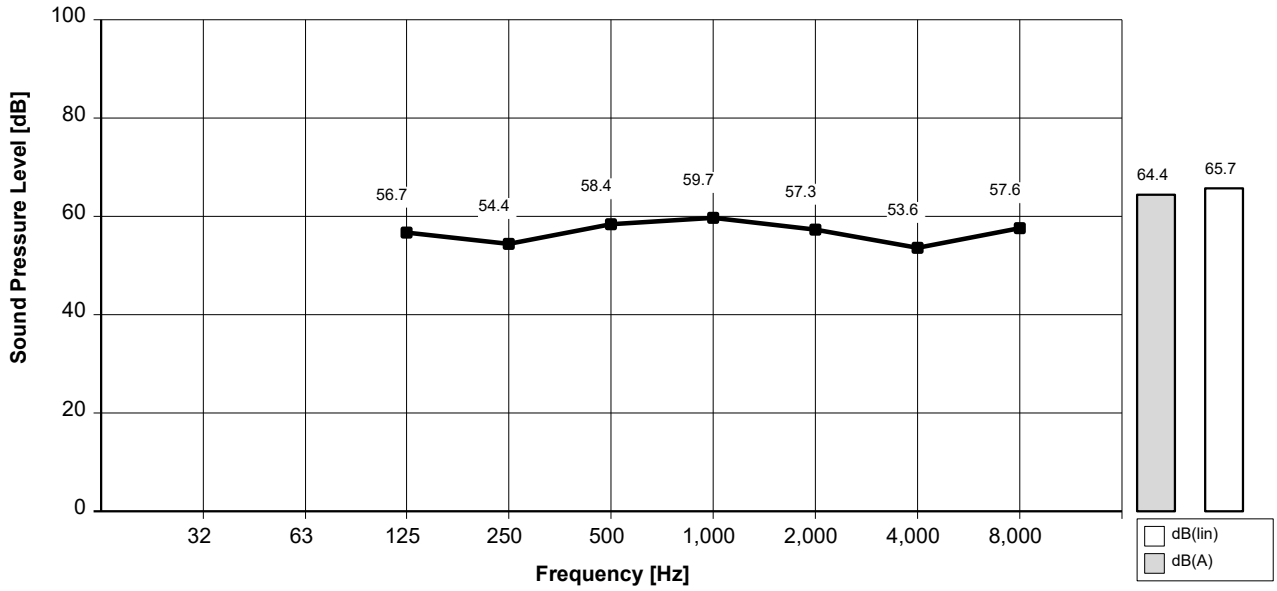
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	69,8	67,5	71,4	72,7	70,4	66,7	70,7	77,5	78,8
Sound Pressure Average at 1m. re: 20 UPa	56,7	54,4	58,4	59,7	57,3	53,6	57,6	64,4	65,7

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR **File no.:** LY 29.09.2008