

86901022 MGE180MA 50 Hz

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

Motor type: MGE180MA Product number: 86901022 Fan diameter: D280 [mm]
P2: 18.5 [kW] U: 400 [V] Pole: 4 Frequency: 50 [Hz]

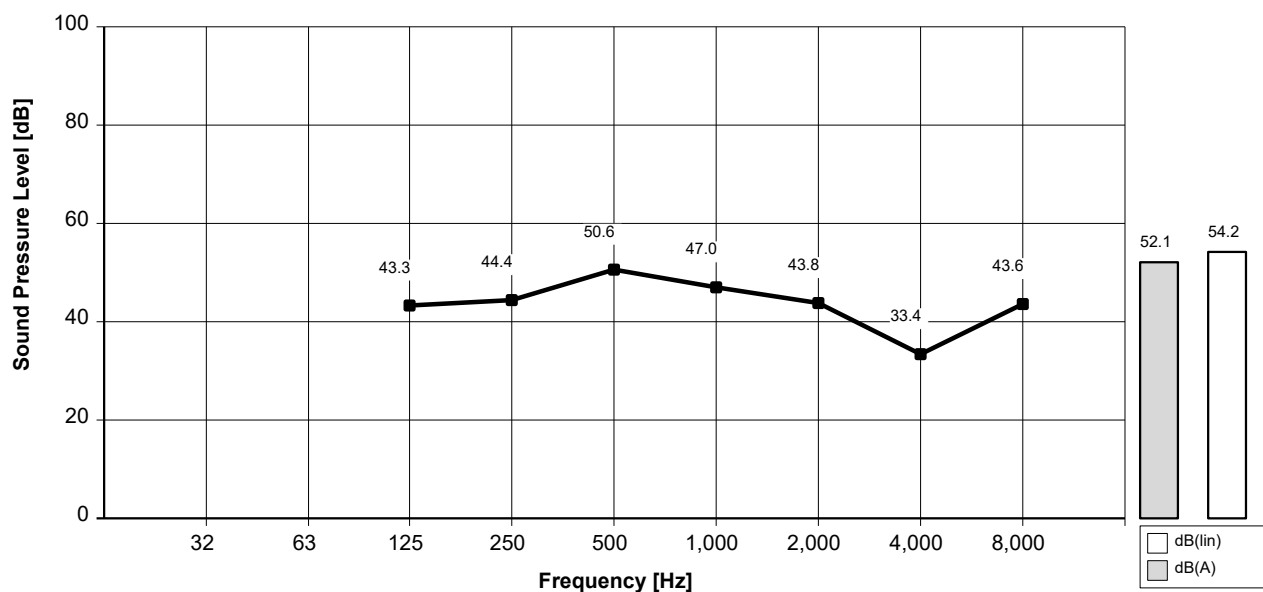
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

Tested at: 450 (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	56,4	57,6	63,8	60,1	57,0	46,5	56,7	65,2	67,4
Sound Pressure Average at 1m. re: 20 UPa	43,3	44,4	50,6	47,0	43,8	33,4	43,6	52,1	54,2

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY 26.09.2008

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Sound Power measurement according to DS/ISO-3743

Motor type: MGE180MA

Product number: 86901022

Fan diameter: D280 [mm]

P2: 18.5 [kW]

U: 400 [V]

Pole: 4

Frequency: 20 [Hz]

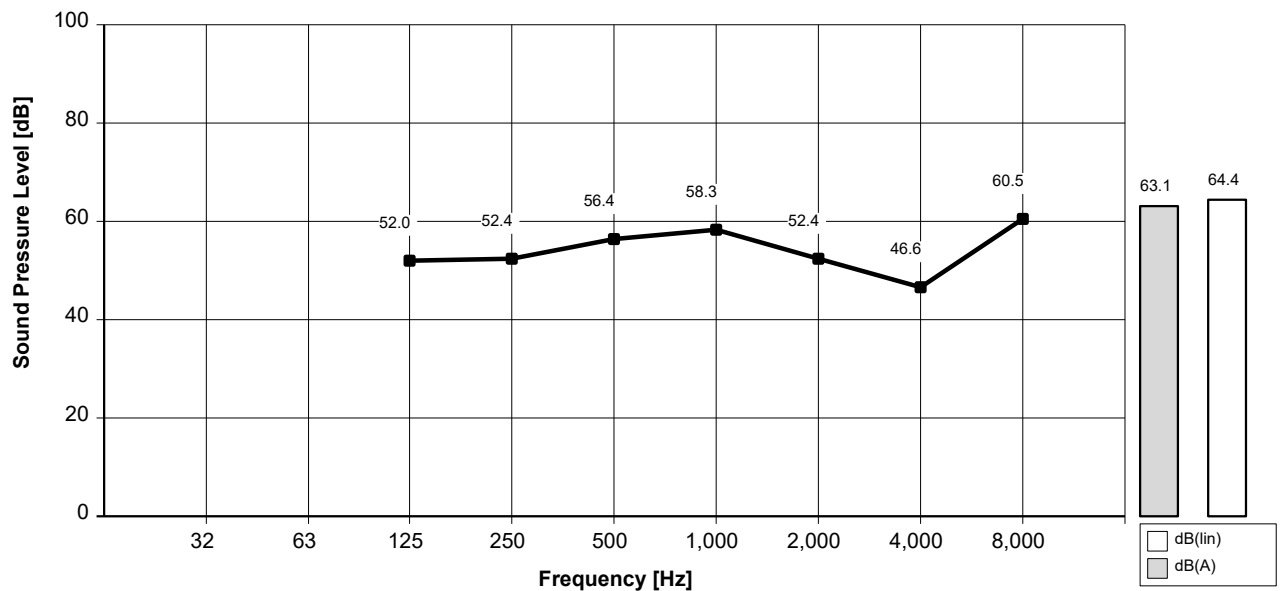
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	65,2	65,5	69,6	71,5	65,5	59,7	73,6	76,3	77,6
Sound Pressure Average at 1m. re: 20 UPa	52,0	52,4	56,4	58,3	52,4	46,6	60,5	63,1	64,4

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY 26.09.2008

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

Motor type: MGE180MA

Product number: 86901022

Fan diameter: D280 [mm]

P2: 18.5 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

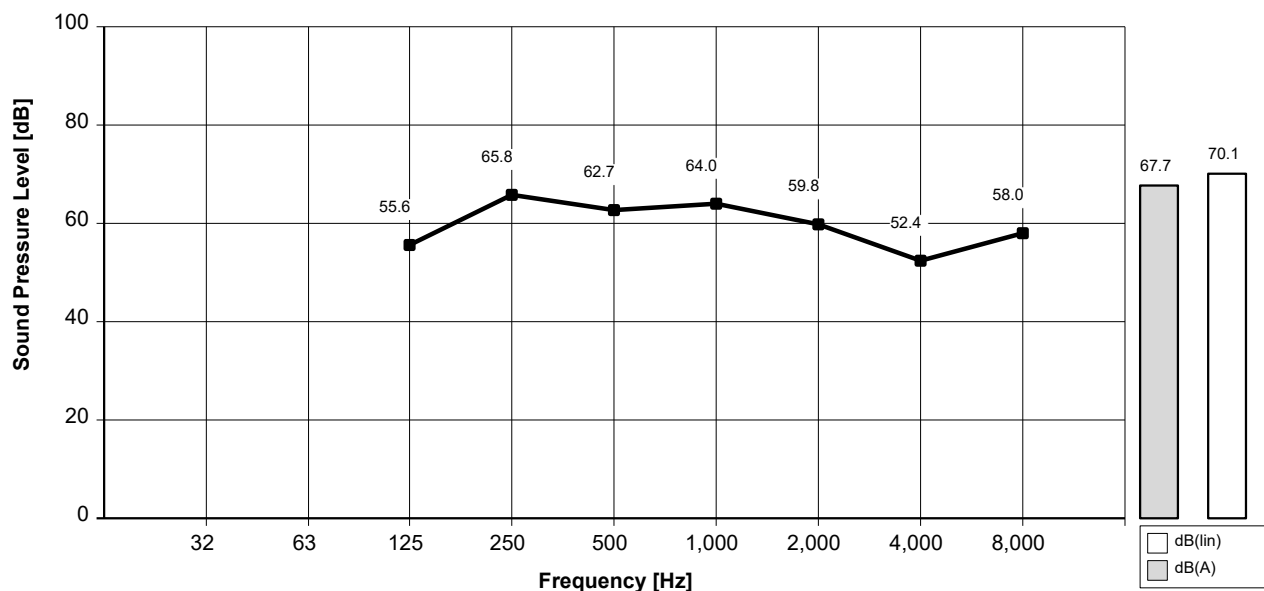
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	68,8	78,9	75,9	77,2	72,9	65,6	71,2	80,9	83,3
Sound Pressure Average at 1m. re: 20 UPa	55,6	65,8	62,7	64,0	59,8	52,4	58,0	67,7	70,1

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY22731-26.09.2008

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

Motor type: MGE180MA

Product number: 86901022

Fan diameter: D280 [mm]

P2: 18.5 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

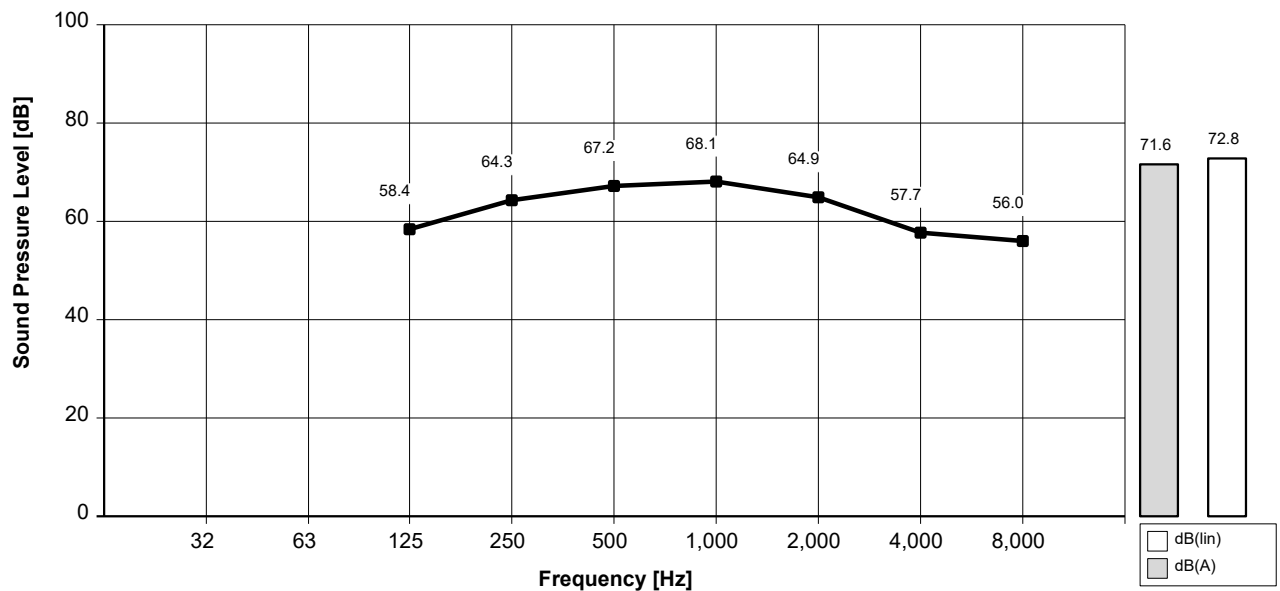
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	71,6	77,5	80,3	81,3	78,1	70,8	69,2	84,8	86,0
Sound Pressure Average at 1m. re: 20 UPa	58,4	64,3	67,2	68,1	64,9	57,7	56,0	71,6	72,8

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY22730-26.09.2008