

86906178 MGE100LC 50 Hz

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

Motor type: MGE100LC Product number: 86906178 Fan diameter: D180 [mm]
P2: 3 [kW] U: 400 [V] Pole: 4 Frequency: 50 [Hz]

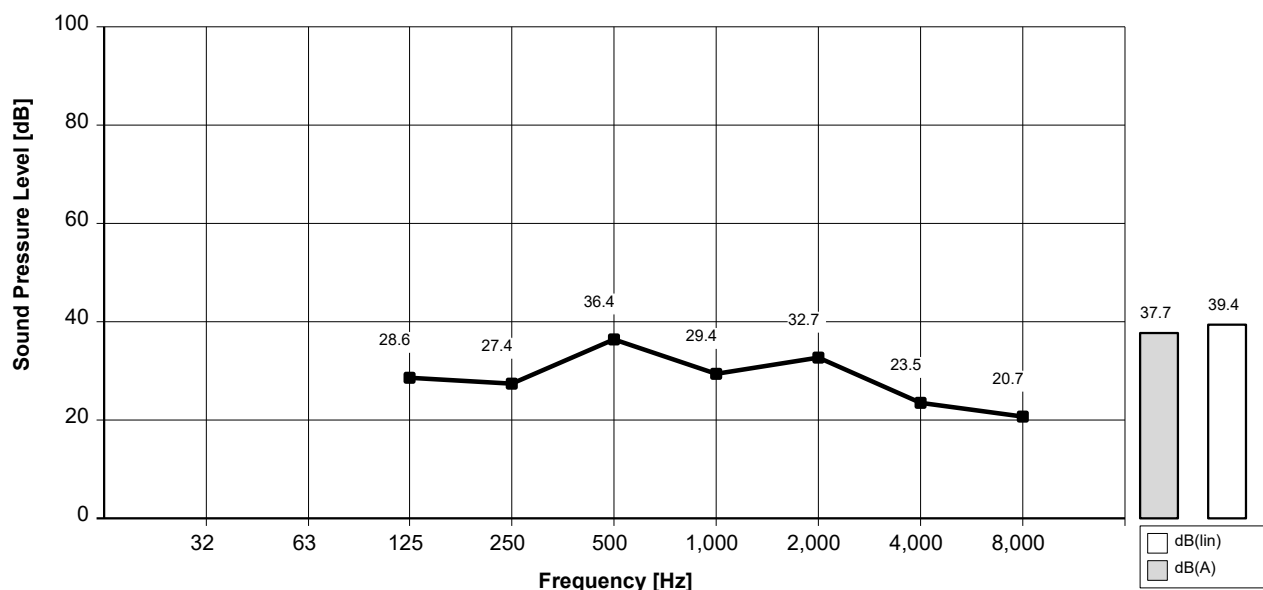
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	40,6	39,5	48,5	41,5	44,8	35,5	32,8	49,8	51,5
Sound Pressure Average at 1m. re: 20 UPa	28,6	27,4	36,4	29,4	32,7	23,5	20,7	37,7	39,4

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05158-03.12.2004

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

Motor type: MGE100LC

Product number: 86906178

Fan diameter: D180 [mm]

P2: 3 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

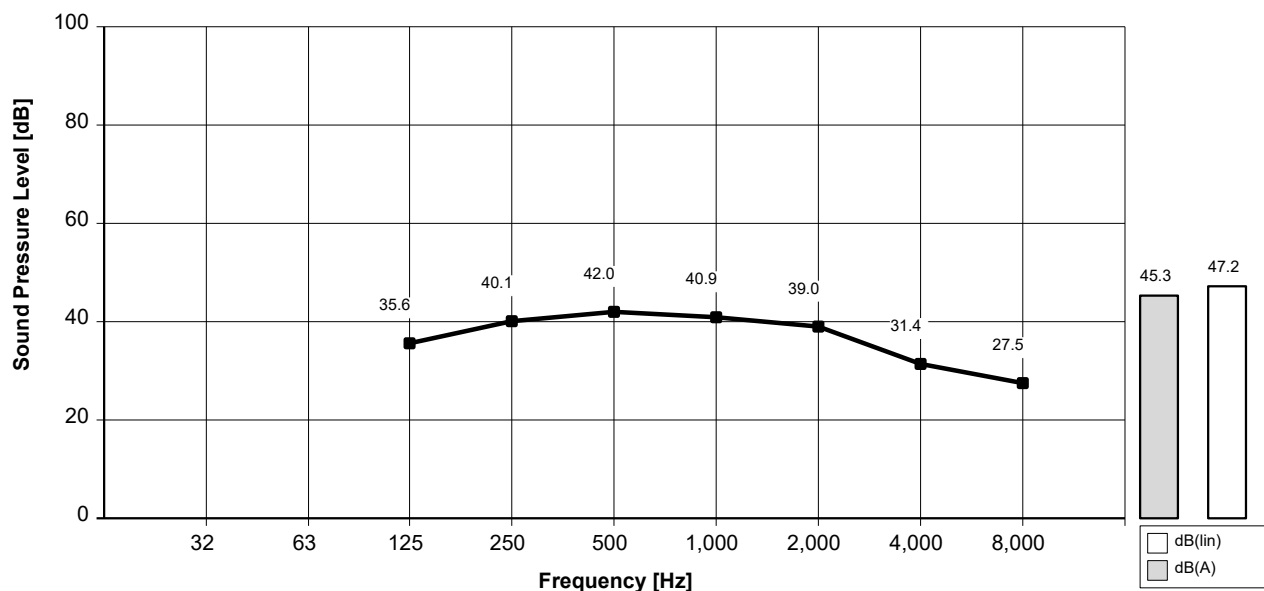
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	47,6	52,1	54,0	53,0	51,1	43,4	39,5	57,4	59,2
Sound Pressure Average at 1m. re: 20 UPa	35,6	40,1	42,0	40,9	39,0	31,4	27,5	45,3	47,2

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05157-03.12.2004

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

Motor type: MGE100LC

Product number: 86906178

Fan diameter: D180 [mm]

P2: 3 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

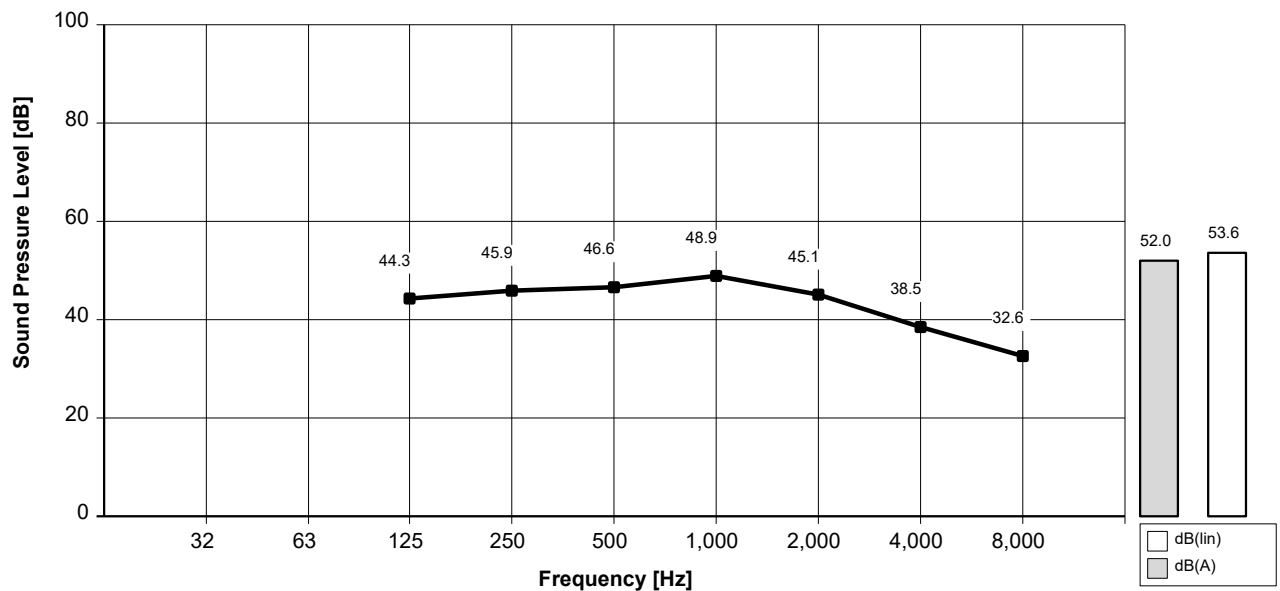
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	56,3	57,9	58,7	60,9	57,2	50,6	44,6	64,0	65,7
Sound Pressure Average at 1m. re: 20 UPa	44,3	45,9	46,6	48,9	45,1	38,5	32,6	52,0	53,6

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05156-03.12.2004

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

Motor type: MGE100LC

Product number: 86906178

Fan diameter: D180 [mm]

P2: 3 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

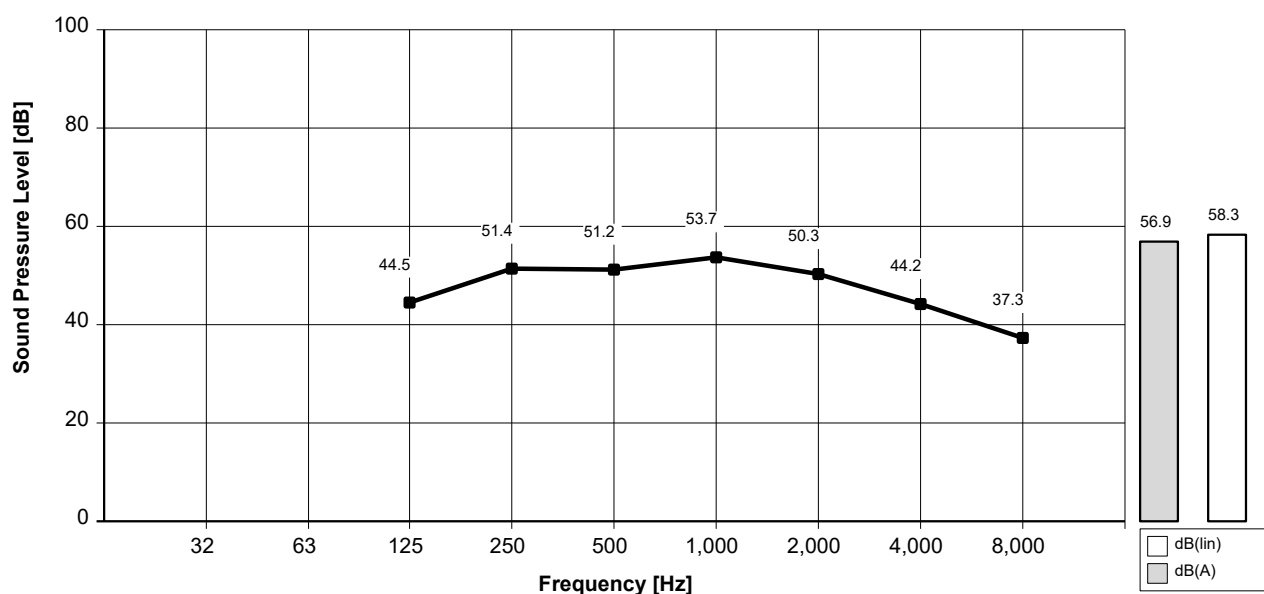
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	56,5	63,4	63,3	65,7	62,3	56,2	49,4	69,0	70,3
Sound Pressure Average at 1m. re: 20 UPa	44,5	51,4	51,2	53,7	50,3	44,2	37,3	56,9	58,3

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05155-03.12.2004