

86906143 MGE100LB 50 Hz

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

Motor type: MGE100LB Product number: 86906143 Fan diameter: D128 [mm]
P2: 2.2 [kW] U: 400 [V] Pole: 4 Frequency: 50 [Hz]

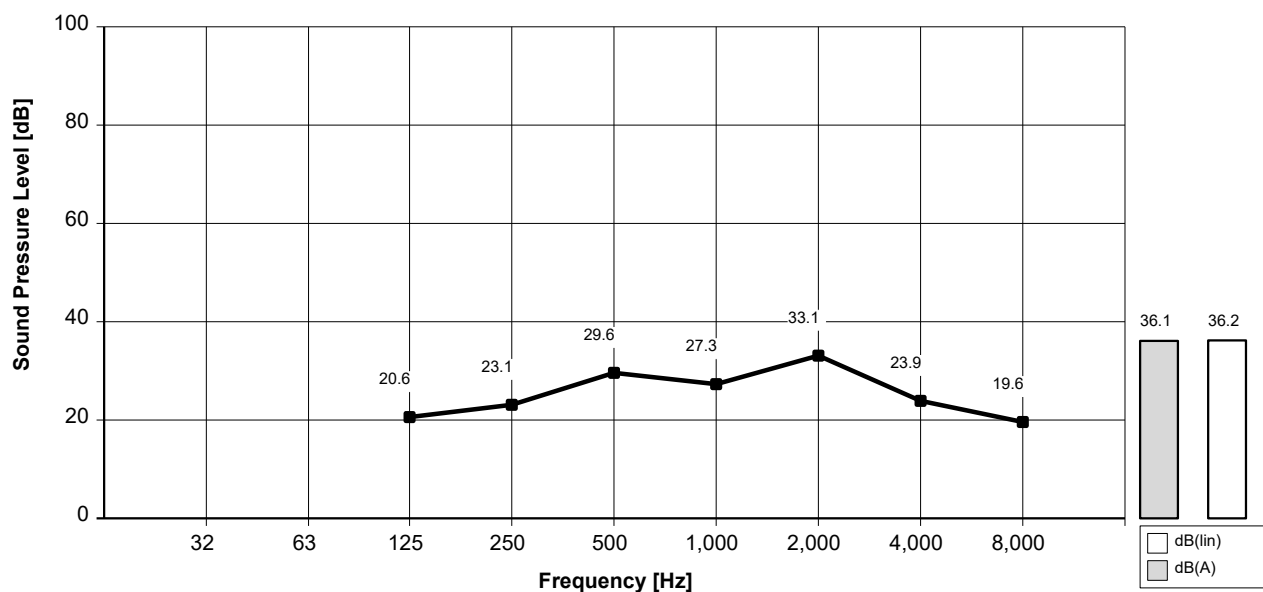
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	32,6	35,1	41,7	39,3	45,2	36,0	31,6	48,2	48,2
Sound Pressure Average at 1m. re: 20 UPa	20,6	23,1	29,6	27,3	33,1	23,9	19,6	36,1	36,2

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05269-10.12.2004

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

Motor type: MGE100LB

Product number: 86906143

Fan diameter: D128 [mm]

P2: 2.2 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

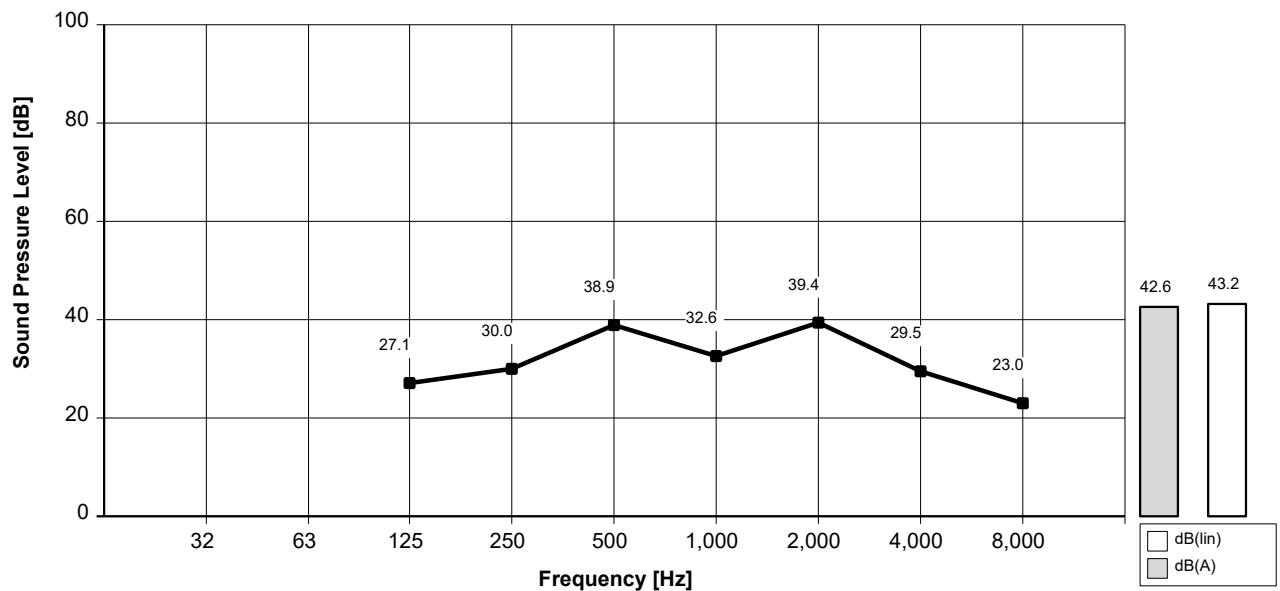
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	39,2	42,1	50,9	44,7	51,4	41,6	35,0	54,7	55,2
Sound Pressure Average at 1m. re: 20 UPa	27,1	30,0	38,9	32,6	39,4	29,5	23,0	42,6	43,2

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05268-10.12.2004

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

Motor type: MGE100LB

Product number: 86906143

Fan diameter: D128 [mm]

P2: 2.2 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

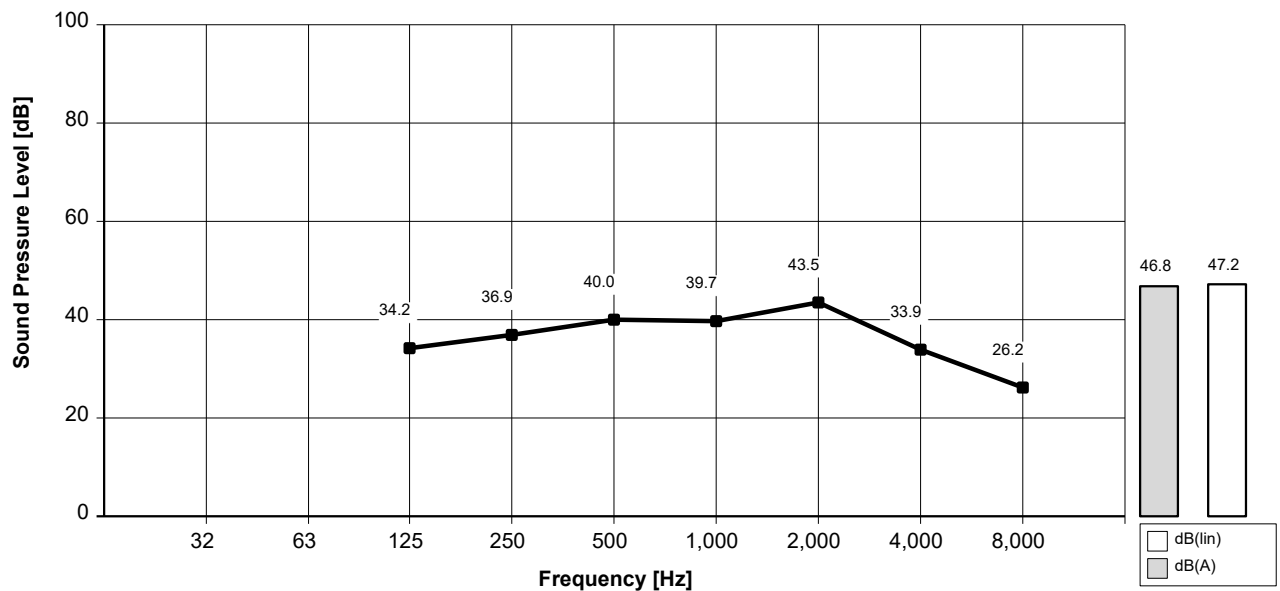
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	46,2	48,9	52,0	51,7	55,5	45,9	38,3	58,8	59,2
Sound Pressure Average at 1m. re: 20 UPa	34,2	36,9	40,0	39,7	43,5	33,9	26,2	46,8	47,2

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05267-10.12.2004

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

Motor type: MGE100LB

Product number: 86906143

Fan diameter: D128 [mm]

P2: 2.2 [kW]

U: 400 [V]

Pole: 4

Frequency: 50 [Hz]

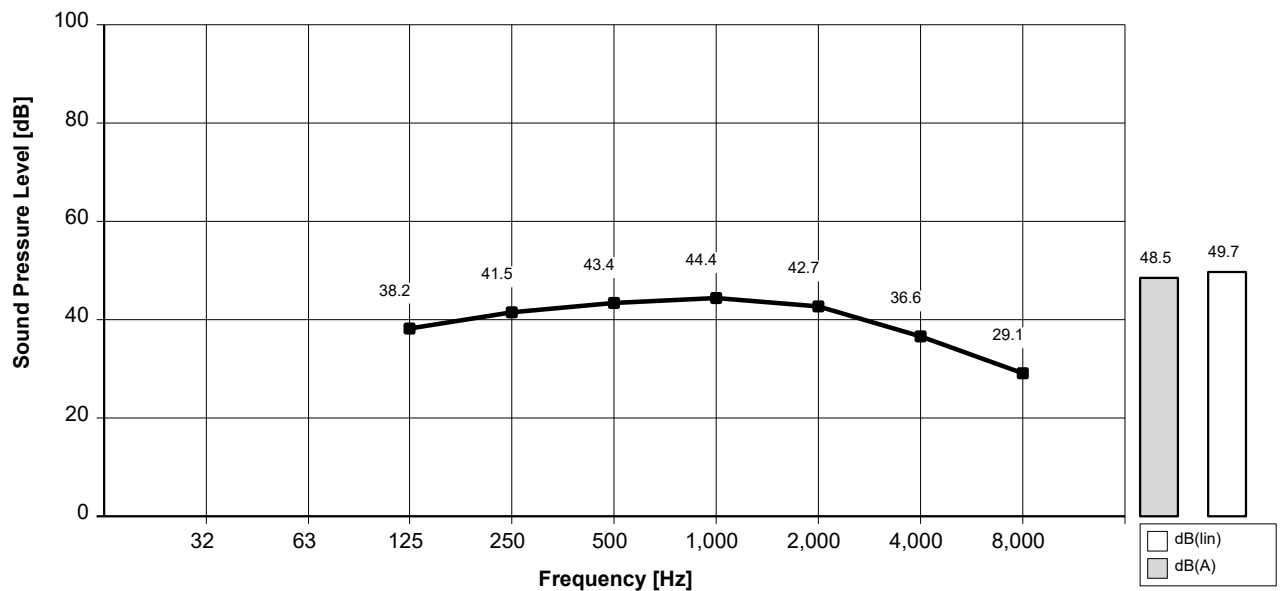
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

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	50,2	53,6	55,4	56,4	54,7	48,6	41,1	60,6	61,8
Sound Pressure Average at 1m. re: 20 UPa	38,2	41,5	43,4	44,4	42,7	36,6	29,1	48,5	49,7

Sound Pressure calculated according to ISO/DIS 11203 method Q2



Initials: KIR

File no.: LY05266-10.12.2004