

85901241 MGE160MD 50 Hz

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

Motor type: MGE160MD Product number: 85901241 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 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 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

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Motor type: MGE160MD	Product number: 85901241	Fan diameter: D240 [mm]
P2: 15 [kW]	U: 400 [V]	Pole: 2
		Frequency: 50 [Hz]

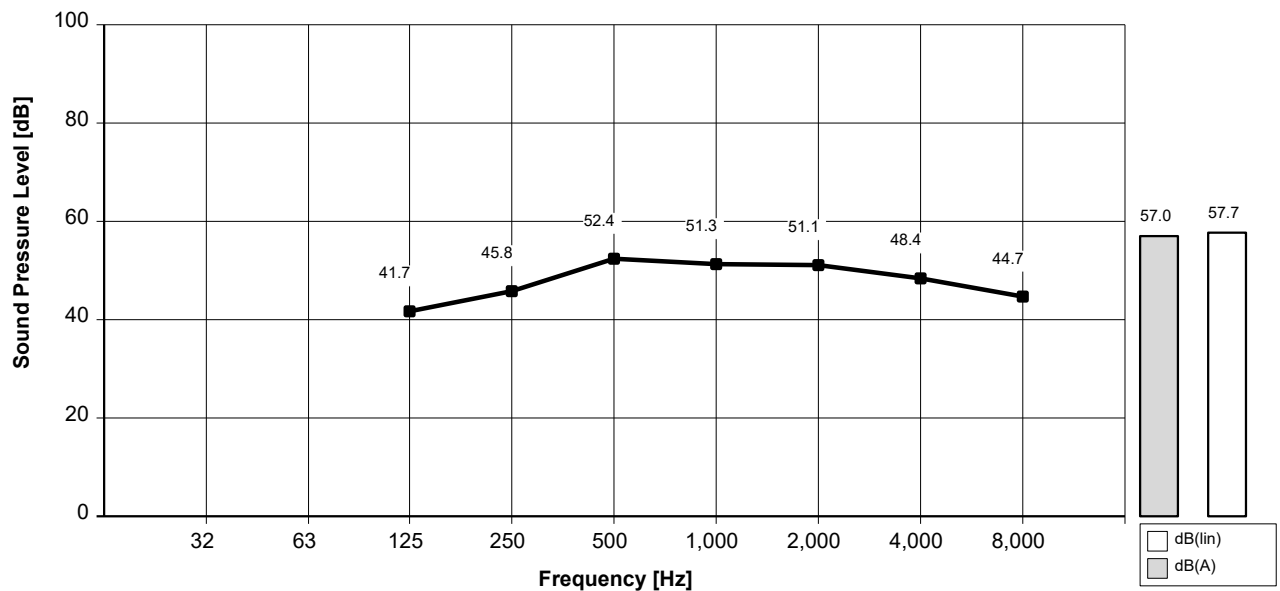
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

Tested at: 2250 (idle) rpm

Octave Band Level [db]

Center Frequency	125	250	500	1000	2000	4000	8000	dB(A)	dB(lin)
Sound Power 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 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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Motor type: MGE160MD	Product number: 85901241	Fan diameter: D240 [mm]
P2: 15 [kW]	U: 400 [V]	Pole: 2
		Frequency: 50 [Hz]

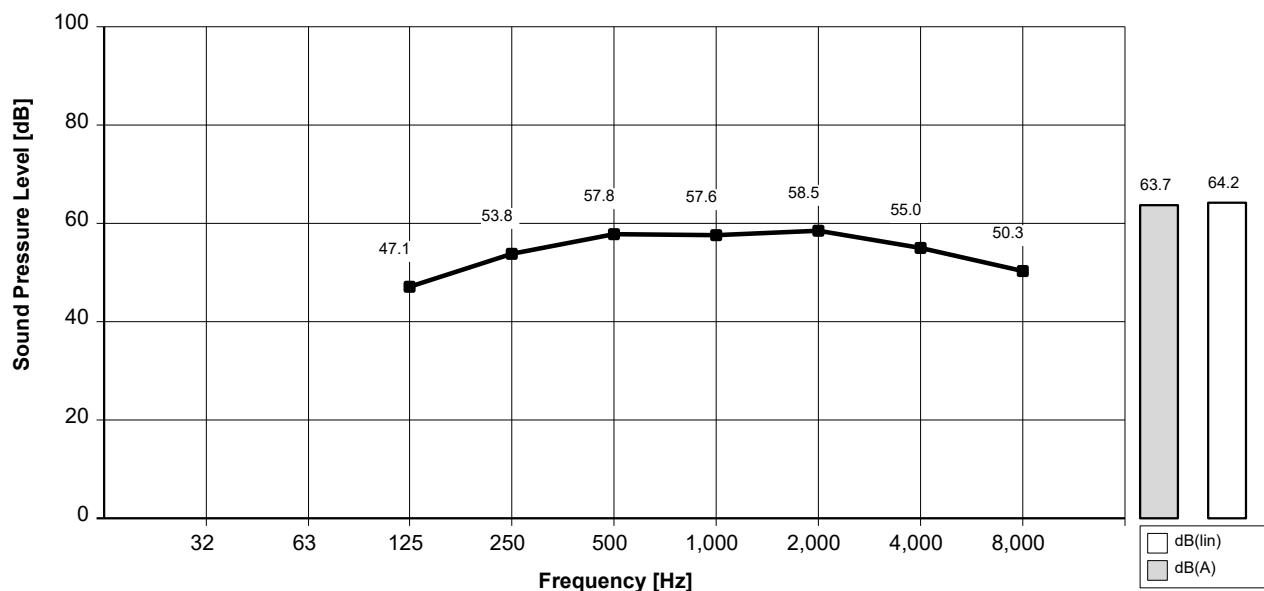
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

Tested at: 3000 (idle) rpm

Octave Band Level [db]

Center Frequency	125	250	500	1000	2000	4000	8000	dB(A)	dB(lin)
Sound Power 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 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 Power measurement according to DS/ISO-3743

Motor type: MGE160MD	Product number: 85901241	Fan diameter: D240 [mm]
P2: 15 [kW]	U: 400 [V]	Pole: 2
		Frequency: 50 [Hz]

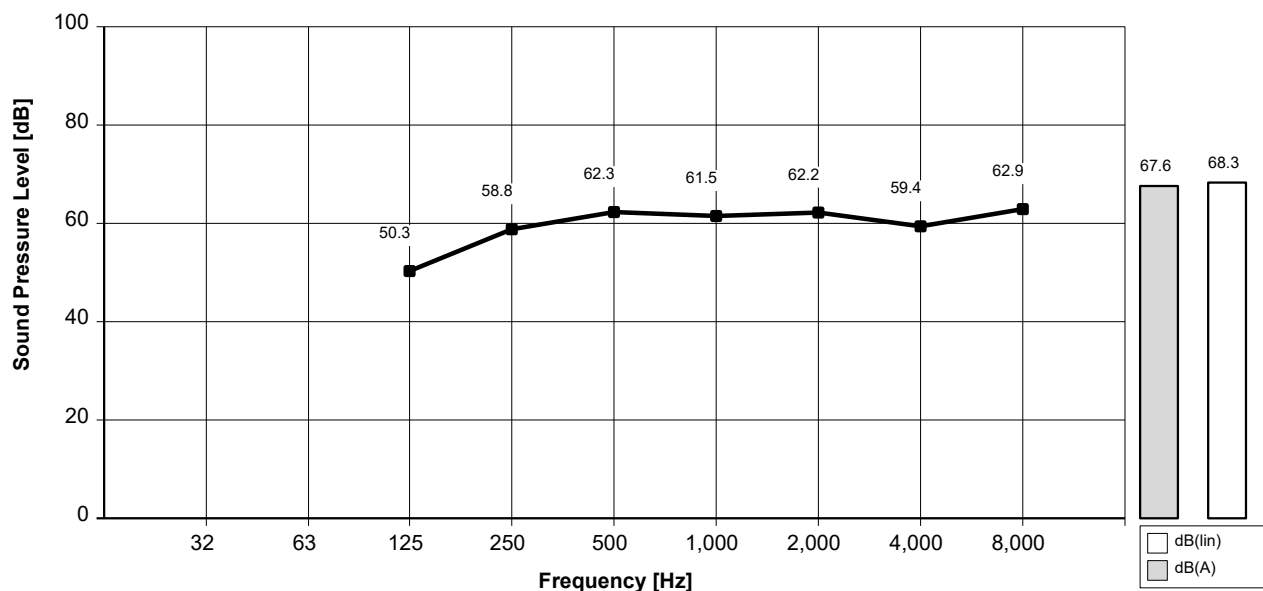
Remarks: The declared noise emission value, does not take production variations and measurement uncertainties into account. The declared value may therefore be up-to 3 dB higher, than the value for the average production unit.

Tested at: 3600 (idle) rpm

Octave Band Level [db]

Center Frequency	125	250	500	1000	2000	4000	8000	dB(A)	dB(lin)
Sound Power 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 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



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