NICOTRA Gebhardt

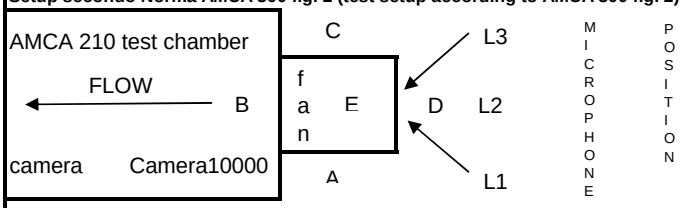
BRUEL & KJAER
Real-time Frequency Analyzer Type 2143
Analizzatore di Frequenza in Tempo Reale Tipo 2143

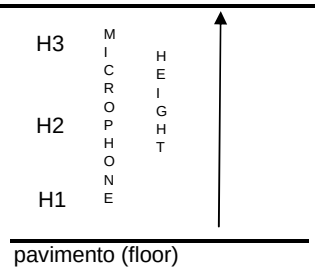
TEST N.: S4924.000
Data: 23/03/2015

Ventilatore tipo: DDMP_7/7_TIGHT Motore tipo: 1416A3
Fan type: Motor type:

Note: Prova a---230 V 50 Hz---- F.M.W.L
0
0

Setup secondo Norma AMCA 300 fig. 2 (test setup according to AMCA 300 fig. 2)





Disposizione microfono dal vent. (microphone position from fan)

L1 = **0** L2 = **0** L3 =
H1 = **0** H2 = **0** H3 =

posizione motore / motor set-up: **E**

Calcolo del Livello di Pressione Sonora in campo libero secondo AMCA 300 ed ISO 3741
Sound Pressure Level free field calculation according to AMCA 300 and ISO 3741

i valori di rumore con differenze inferiori ai 3 dB fra il livello rilevato e il fondo non sono significativi
sound pressure values less than 3dB higher than background noise are not reliable

Coefficienti calc. pressione sonora da set n°/ Sou nd pressure f.f. calculation corr. factors from set n° **100**

Banda d'ottava (octave band)			Hz	63	125	250	500	1K	2K	4K	8K	16K		A	*LIN.*
Rumore di fondo (background noise)			dB	54.6	40.6	38.1	30.2	27.7	22.3	18.2	17.3	17.1		34.6	*54.9*
Corr. calc. press. sonora (s. pressure corr. factor) K				**0.0655**	**-0.5**	**-2.578**	**-3.534**	**-1.8**	**-1.618**	**-3.759**	**-3.334**	**-3.047**		**-2.4**	***-2.1***
1	[mc/h]	747	**Lps dB rilevato(meas.)**	65.9	74.1	77.5	71.1	68.0	68.4	64.5	60.2	54.7		75.3	*80.6*
			Lps dB corretto.(calc.)	**65.6**	**73.6**	**74.9**	**67.6**	**66.2**	**66.8**	**60.8**	**56.9**	**51.6**		**73.0**	***78.7***
2	[mc/h]	1039	**Lps dB rilevato(meas.)**	63.1	68.9	75.6	69.1	67.4	68.9	64.7	60.1	54.7		74.6	*78.5*
			Lps dB corretto.(calc.)	**62.5**	**68.4**	**73.0**	**65.6**	**65.6**	**67.3**	**60.9**	**56.8**	**51.7**		**72.3**	***76.3***
3	[mc/h]	1294	**Lps dB rilevato(meas.)**	60.8	65.8	73.7	69.5	67.6	69.4	65.1	60.4	54.8		74.7	*77.5*
			Lps dB corretto.(calc.)	**59.6**	**65.3**	**71.2**	**66.0**	**65.8**	**67.8**	**61.3**	**57.1**	**51.8**		**72.4**	***75.2***
4	[mc/h]	1363	**Lps dB rilevato(meas.)**	60.0	63.8	73.7	69.5	67.2	69.1	64.6	59.7	54.1		74.4	*77.2*
			Lps dB corretto.(calc.)	**58.5**	**63.3**	**71.2**	**66.0**	**65.4**	**67.5**	**60.8**	**56.4**	**51.1**		**72.1**	***74.9***
5	[mc/h]	1477	**Lps dB rilevato(meas.)**	59.3	63.9	71.6	67.4	66.4	68.8	63.7	59.0	53.2		73.5	*75.8*
			Lps dB corretto.(calc.)	**57.5**	**63.4**	**69.0**	**63.8**	**64.6**	**67.2**	**59.9**	**55.6**	**50.2**		**71.3**	***73.6***
6	[mc/h]	1543	**Lps dB rilevato(meas.)**	57.3	63.8	70.5	67.2	66.2	68.1	63.2	58.3	52.5		73.0	*75.1*
			Lps dB corretto.(calc.)	**54.0**	**63.3**	**67.9**	**63.6**	**64.4**	**66.5**	**59.4**	**55.0**	**49.4**		**70.7**	***72.9***
7	[mc/h]	1633	**Lps dB rilevato(meas.)**	56.0	62.2	69.6	65.7	65.8	67.3	62.8	58.0	51.8		72.3	*74.3*
			Lps dB corretto.(calc.)	**50.3**	**61.7**	**67.0**	**62.2**	**64.0**	**65.7**	**59.0**	**54.7**	**48.8**		**70.0**	***71.9***
8	[mc/h]	1710	**Lps dB rilevato(meas.)**	58.7	60.2	68.9	65.4	65.5	66.9	62.4	57.6	51.4		71.8	*73.7*
			Lps dB corretto.(calc.)	**56.7**	**59.6**	**66.3**	**61.9**	**63.7**	**65.2**	**58.6**	**54.3**	**48.4**		**69.6**	***71.4***
9	[mc/h]	1828	**Lps dB rilevato(meas.)**	56.7	58.6	67.3	64.9	65.7	66.3	62.2	57.6	51.1		71.5	*73.0*
			Lps dB corretto.(calc.)	**52.4**	**58.1**	**64.7**	**61.4**	**63.9**	**64.7**	**58.4**	**54.3**	**48.1**		**69.2**	***70.6***
10	[mc/h]	1947	**Lps dB rilevato(meas.)**	55.2	58.5	67.8	64.9	67.2	66.3	62.3	57.8	50.7		72.0	*73.4*
			Lps dB corretto.(calc.)	**45.8**	**57.9**	**65.2**	**61.3**	**65.4**	**64.7**	**58.6**	**54.5**	**47.7**		**69.8**	***71.1***
11	[mc/h]	2032	**Lps dB rilevato(meas.)**	56.3	57.7	67.4	65.2	65.9	66.4	62.6	58.0	50.8		71.7	*73.2*
			Lps dB corretto.(calc.)	**51.4**	**57.2**	**64.8**	**61.7**	**64.1**	**64.8**	**58.8**	**54.7**	**47.8**		**69.4**	***70.8***
12	[mc/h]	2175	**Lps dB rilevato(meas.)**	61.6	61.4	65.9	65.3	65.9	66.3	62.8	58.5	50.8		71.7	*73.2*
			Lps dB corretto.(calc.)	**60.7**	**60.9**	**63.3**	**61.7**	**64.1**	**64.7**	**59.1**	**55.2**	**47.8**		**69.3**	***71.0***

Compilato: Controllato: Data:

NICOTRA Gebhardt	BRUEL & KJAER Real-time Frequency Analyzer Type 2143 Analizzatore di Frequenza in Tempo Reale Tipo 2143	TEST N.: S4924.001 Data: 23/03/2015

Ventilatore tipo: DDMP_7/7_TIGHT Motore tipo: 1416A3

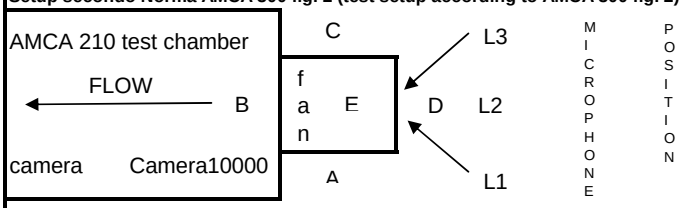
Fan type: Motor type:

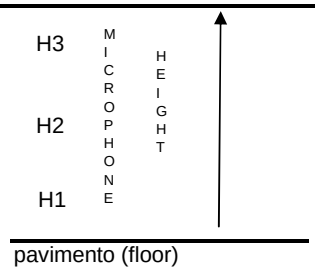
Note: Prova a---230 V 50 Hz---- Segnale costante 7 Vdc

0

0

Setup secondo Norma AMCA 300 fig. 2 (test setup according to AMCA 300 fig. 2)





Disposizione microfono dal vent. (microphone position from fan)

L1 = **0** L2 = **0** L3 =

H1 = **0** H2 = **0** H3 =

posizione motore / motor set-up: **E**

Calcolo del Livello di Pressione Sonora in campo libero secondo AMCA 300 ed ISO 3741

Sound Pressure Level free field calculation according to AMCA 300 and ISO 3741

i valori di rumore con differenze inferiori ai 3 dB fra il livello rilevato e il fondo non sono significativi

sound pressure values less than 3dB higher than background noise are not reliable

Coefficienti calc. pressione sonora da set n°/ Sou nd pressure f.f. calculation corr. factors from set n° **100**

Banda d'ottava (octave band) Hz				63	125	250	500	1K	2K	4K	8K	16K		A	*LIN.*
Rumore di fondo (background noise) dB				54.2	38.9	39.8	36.2	30.2	24.4	27.8	17.9	17.2		37.7	*54.6*
Corr. calc. press. sonora (s. pressure corr. factor) K				**0.0655**	**-0.5**	**-2.578**	**-3.534**	**-1.8**	**-1.618**	**-3.759**	**-3.334**	**-3.047**		**-2.4**	***-2.1***
1	[mc/h]	644	**Lps dB rilevato(meas.)**	62.7	71.6	76.0	69.3	66.5	66.6	62.7	58.4	52.5		73.5	*78.9*
			Lps dB corretto.(calc.)	**62.1**	**71.1**	**73.4**	**65.8**	**64.8**	**65.0**	**58.9**	**55.1**	**49.4**		**71.3**	***76.8***
2	[mc/h]	940	**Lps dB rilevato(meas.)**	62.7	69.1	74.6	68.4	66.2	67.0	62.8	58.2	52.5		73.1	*77.6*
			Lps dB corretto.(calc.)	**62.1**	**68.6**	**72.0**	**64.8**	**64.4**	**65.4**	**59.0**	**54.9**	**49.5**		**70.9**	***75.5***
3	[mc/h]	1233	**Lps dB rilevato(meas.)**	60.6	64.6	72.2	68.0	66.3	67.7	63.5	58.6	52.9		73.1	*76.1*
			Lps dB corretto.(calc.)	**59.5**	**64.1**	**69.7**	**64.5**	**64.6**	**66.1**	**59.7**	**55.3**	**49.8**		**70.9**	***73.8***
4	[mc/h]	1398	**Lps dB rilevato(meas.)**	60.2	63.2	72.0	69.6	66.9	68.7	64.3	59.4	53.6		74.0	*76.5*
			Lps dB corretto.(calc.)	**59.0**	**62.7**	**69.4**	**66.0**	**65.1**	**67.1**	**60.5**	**56.1**	**50.6**		**71.7**	***74.1***
5	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
6	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
7	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
8	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
9	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
10	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
11	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
12	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####

Compilato: Controllato: Data:

NICOTRA Gebhardt

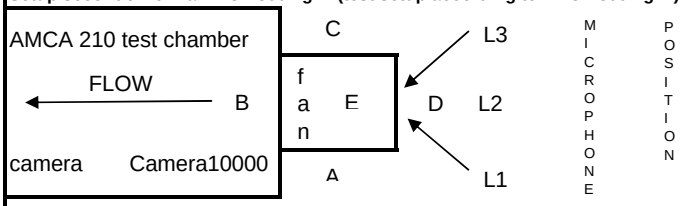
BRUEL & KJAER
Real-time Frequency Analyzer Type 2143
Analizzatore di Frequenza in Tempo Reale Tipo 2143

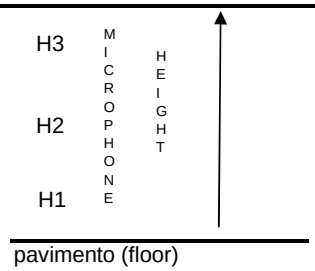
TEST N.: S4924.002
Data: 23/03/2015

Ventilatore tipo: DDMP_7/7_TIGHT Motore tipo: 1416A3
Fan type: Motor type:

Note: Prova a---230 V 50 Hz---- Segnale costante 6 Vdc
0
0

Setup secondo Norma AMCA 300 fig. 2 (test setup according to AMCA 300 fig. 2)





Disposizione microfono dal vent. (microphone position from fan)

L1 = **0** L2 = **0** L3 =
H1 = **0** H2 = **0** H3 =

posizione motore / motor set-up: **E**

Calcolo del Livello di Pressione Sonora in campo libero secondo AMCA 300 ed ISO 3741
Sound Pressure Level free field calculation according to AMCA 300 and ISO 3741

i valori di rumore con differenze inferiori ai 3 dB fra il livello rilevato e il fondo non sono significativi
sound pressure values less than 3dB higher than background noise are not reliable

Coefficienti calc. pressione sonora da set n°/ Sou nd pressure f.f. calculation corr. factors from set n° **100**

Banda d'ottava (octave band) Hz				63	125	250	500	1K	2K	4K	8K	16K		A	*LIN.*
Rumore di fondo (background noise) dB				55.5	46.9	45.2	41.9	31.3	23.0	18.6	17.6	17.2		41.5	*56.6*
Corr. calc. press. sonora (s. pressure corr. factor) K				**0.0655**	**-0.5**	**-2.578**	**-3.534**	**-1.8**	**-1.618**	**-3.759**	**-3.334**	**-3.047**		**-2.4**	***-2.1***
1	[mc/h]	506	**Lps dB rilevato(meas.)**	61.2	66.1	70.9	65.3	62.8	62.7	59.1	53.8	48.1		69.5	*74.2*
			Lps dB corretto.(calc.)	**59.9**	**65.6**	**68.3**	**61.8**	**61.1**	**61.1**	**55.4**	**50.5**	**45.0**		**67.2**	***72.0***
2	[mc/h]	886	**Lps dB rilevato(meas.)**	60.0	64.3	69.2	64.5	62.9	63.7	59.5	54.2	48.2		69.4	*73.1*
			Lps dB corretto.(calc.)	**58.2**	**63.7**	**66.6**	**60.9**	**61.1**	**62.0**	**55.8**	**50.9**	**45.2**		**67.2**	***70.9***
3	[mc/h]	1074	**Lps dB rilevato(meas.)**	57.7	63.3	68.0	64.4	63.3	64.7	60.1	54.8	48.7		69.9	*72.6*
			Lps dB corretto.(calc.)	**53.7**	**62.7**	**65.4**	**60.9**	**61.5**	**63.1**	**56.3**	**51.5**	**45.7**		**67.6**	***70.3***
4	[mc/h]	1327	**Lps dB rilevato(meas.)**	57.5	62.0	69.0	65.9	64.6	65.7	61.3	56.3	50.3		71.0	*73.5*
			Lps dB corretto.(calc.)	**53.3**	**61.3**	**66.4**	**62.3**	**62.9**	**64.0**	**57.5**	**53.0**	**47.3**		**68.7**	***71.1***
5	[mc/h]	1459	**Lps dB rilevato(meas.)**	56.5	61.8	68.9	65.6	64.8	66.3	61.7	56.7	50.8		71.4	*73.6*
			Lps dB corretto.(calc.)	**50.0**	**61.1**	**66.3**	**62.0**	**63.1**	**64.7**	**57.9**	**53.4**	**47.7**		**69.1**	***71.2***
6	[mc/h]	1630	**Lps dB rilevato(meas.)**	56.1	60.5	69.2	65.9	65.8	67.1	62.7	57.8	51.5		72.2	*74.0*
			Lps dB corretto.(calc.)	**47.5**	**59.8**	**66.6**	**62.3**	**64.0**	**65.4**	**58.9**	**54.5**	**48.5**		**69.9**	***71.6***
7	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
8	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
9	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
10	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
11	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####
12	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####		**#NUM!**	#####

Compilato: Controllato: Data:

NICOTRA Gebhardt

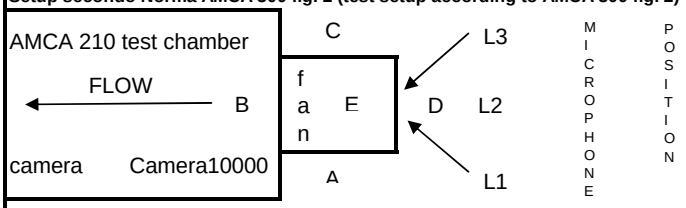
BRUEL & KJAER
Real-time Frequency Analyzer Type 2143
Analizzatore di Frequenza in Tempo Reale Tipo 2143

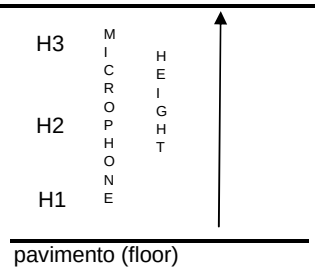
TEST N.: S4924.003
Data: 23/03/2015

Ventilatore tipo: DDMP_7/7_TIGHT Motore tipo: 1416A3
Fan type: Motor type:

Note: Prova a---230 V 50 Hz---- Segnale costante 5 Vdc
0
0

Setup secondo Norma AMCA 300 fig. 2 (test setup according to AMCA 300 fig. 2)





Disposizione microfono dal vent. (microphone position from fan)

L1 = **0** L2 = **0** L3 =
H1 = **0** H2 = **0** H3 =

posizione motore / motor set-up: **E**

Calcolo del Livello di Pressione Sonora in campo libero secondo AMCA 300 ed ISO 3741
Sound Pressure Level free field calculation according to AMCA 300 and ISO 3741

i valori di rumore con differenze inferiori ai 3 dB fra il livello rilevato e il fondo non sono significativi
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Coefficienti calc. pressione sonora da set n°/ Sou nd pressure f.f. calculation corr. factors from set n° **100**

Banda d'ottava (octave band)			Hz	63	125	250	500	1K	2K	4K	8K	16K		A	*LIN.*
Rumore di fondo (background noise)			dB	54.6	38.2	38.1	31.1	28.2	23.1	19.1	17.8	17.2		34.8	*54.8*
Corr. calc. press. sonora (s. pressure corr. factor) K				**0.0655**	**-0.5**	**-2.578**	**-3.534**	**-1.8**	**-1.618**	**-3.759**	**-3.334**	**-3.047**		**-2.4**	***-2.1***
1	[mc/h]	559	**Lps dB rilevato(meas.)**	58.2	61.6	66.7	61.2	59.7	58.7	55.2	49.1	43.4		65.5	*70.0*
			Lps dB corretto.(calc.)	**55.7**	**61.1**	**64.1**	**57.6**	**57.9**	**57.0**	**51.4**	**45.8**	**40.3**		**63.3**	***67.9***
2	[mc/h]	710	**Lps dB rilevato(meas.)**	59.2	60.1	65.7	61.1	59.9	59.2	55.4	49.6	43.5		65.7	*69.6*
			Lps dB corretto.(calc.)	**57.4**	**59.6**	**63.1**	**57.5**	**58.1**	**57.6**	**51.6**	**46.2**	**40.5**		**63.4**	***67.4***
3	[mc/h]	984	**Lps dB rilevato(meas.)**	58.4	57.9	65.1	61.4	60.7	60.4	56.4	50.8	44.4		66.4	*69.4*
			Lps dB corretto.(calc.)	**56.2**	**57.4**	**62.5**	**57.9**	**58.9**	**58.8**	**52.6**	**47.5**	**41.4**		**64.1**	***67.1***
4	[mc/h]	1255	**Lps dB rilevato(meas.)**	54.3	56.7	66.1	62.0	62.0	62.0	57.8	52.7	46.2		67.7	*70.2*
			Lps dB corretto.(calc.)	**#####**	**56.2**	**63.5**	**58.5**	**60.3**	**60.3**	**54.1**	**49.3**	**43.1**		**#NUM!**	***#####***
5	[mc/h]	1545	**Lps dB rilevato(meas.)**	56.7	56.8	66.9	63.3	63.1	63.5	59.4	54.6	47.9		69.0	*71.3*
			Lps dB corretto.(calc.)	**52.5**	**56.3**	**64.3**	**59.8**	**61.3**	**61.9**	**55.7**	**51.3**	**44.8**		**66.8**	***68.8***
6	[mc/h]	1764	**Lps dB rilevato(meas.)**	56.1	57.1	67.3	64.3	64.5	65.3	61.2	56.5	49.7		70.5	*72.3*
			Lps dB corretto.(calc.)	**50.8**	**56.5**	**64.7**	**60.7**	**62.8**	**63.6**	**57.4**	**53.2**	**46.6**		**68.2**	***69.9***
7	[mc/h]	1926	**Lps dB rilevato(meas.)**	54.9	58.0	68.7	65.0	65.6	66.0	62.3	57.7	50.8		71.5	*73.3*
			Lps dB corretto.(calc.)	**42.7**	**57.5**	**66.2**	**61.4**	**63.8**	**64.4**	**58.6**	**54.3**	**47.7**		**69.2**	***70.9***
8	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**		**#NUM!**	***#####***
9	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**		**#NUM!**	***#####***
10	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**		**#NUM!**	***#####***
11	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**		**#NUM!**	***#####***
12	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**	**#####**		**#NUM!**	***#####***

Compilato: Controllato: Data:

NICOTRA Gebhardt

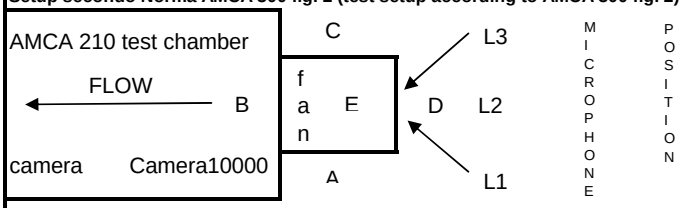
BRUEL & KJAER
Real-time Frequency Analyzer Type 2143
Analizzatore di Frequenza in Tempo Reale Tipo 2143

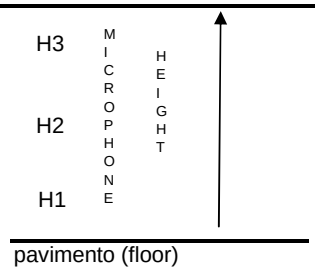
TEST N.: S4924.004
Data: 23/03/2015

Ventilatore tipo: DDMP_7/7_TIGHT Motore tipo: 1416A3
Fan type: Motor type:

Note: Prova a---230 V 50 Hz---- Segnale costante 4 Vdc
0
0

Setup secondo Norma AMCA 300 fig. 2 (test setup according to AMCA 300 fig. 2)





Disposizione microfono dal vent. (microphone position from fan)

L1 = **0** L2 = **0** L3 =
H1 = **0** H2 = **0** H3 =

posizione motore / motor set-up: **E**

Calcolo del Livello di Pressione Sonora in campo libero secondo AMCA 300 ed ISO 3741
Sound Pressure Level free field calculation according to AMCA 300 and ISO 3741

i valori di rumore con differenze inferiori ai 3 dB fra il livello rilevato e il fondo non sono significativi
sound pressure values less than 3dB higher than background noise are not reliable

Coefficienti calc. pressione sonora da set n°/ Sou nd pressure f.f. calculation corr. factors from set n° **100**

Banda d'ottava (octave band)			Hz	63	125	250	500	1K	2K	4K	8K	16K		A	*LIN.*
Rumore di fondo (background noise)			dB	55.1	38.9	38.4	32.5	29.3	24.4	19.8	17.8	17.2		35.7	*55.3*
Corr. calc. press. sonora (s. pressure corr. factor) K				**0.0655**	**-0.5**	**-2.578**	**-3.534**	**-1.8**	**-1.618**	**-3.759**	**-3.334**	**-3.047**		**-2.4**	***-2.1***
1	[mc/h]	467	**Lps dB rilevato(meas.)**	56.6	57.6	61.5	56.9	55.7	54.1	50.5	43.3	38.1		61.1	*65.7*
			Lps dB corretto.(calc.)	**51.3**	**57.1**	**58.9**	**53.4**	**53.9**	**52.5**	**46.7**	**39.9**	**35.0**		**58.9**	***63.3***
2	[mc/h]	694	**Lps dB rilevato(meas.)**	56.1	54.5	60.3	56.6	56.2	54.5	50.4	44.2	38.1		61.2	*64.8*
			Lps dB corretto.(calc.)	**49.6**	**53.9**	**57.7**	**53.1**	**54.4**	**52.9**	**46.6**	**40.9**	**35.0**		**58.9**	***62.2***
3	[mc/h]	950	**Lps dB rilevato(meas.)**	55.4	54.0	62.3	58.4	57.4	56.1	52.0	46.3	39.5		62.7	*66.2*
			Lps dB corretto.(calc.)	**44.1**	**53.3**	**59.7**	**54.9**	**55.6**	**54.4**	**48.3**	**43.0**	**36.5**		**60.4**	***63.5***
4	[mc/h]	1164	**Lps dB rilevato(meas.)**	55.2	55.3	62.8	59.2	59.1	58.0	53.5	48.2	41.1		64.2	*67.1*
			Lps dB corretto.(calc.)	**40.4**	**54.7**	**60.2**	**55.7**	**57.3**	**56.4**	**49.8**	**44.9**	**38.0**		**62.0**	***64.5***
5	[mc/h]	1460	**Lps dB rilevato(meas.)**	55.4	55.7	63.4	60.6	60.5	60.3	56.3	51.2	43.8		66.0	*68.3*
			Lps dB corretto.(calc.)	**44.4**	**55.1**	**60.8**	**57.1**	**58.7**	**58.6**	**52.5**	**47.9**	**40.7**		**63.8**	***65.8***
6	[mc/h]	1682	**Lps dB rilevato(meas.)**	54.4	58.5	63.6	61.8	63.2	62.2	58.2	53.4	45.9		68.0	*69.7*
			Lps dB corretto.(calc.)	***#####***	**57.9**	**61.0**	**58.3**	**61.4**	**60.6**	**54.4**	**50.0**	**42.8**		**#NUM!**	***#####***
7	[mc/h]	1875	**Lps dB rilevato(meas.)**	55.7	59.3	64.3	63.0	64.6	63.7	60.1	55.4	47.9		69.5	*71.0*
			Lps dB corretto.(calc.)	**47.4**	**58.8**	**61.7**	**59.5**	**62.8**	**62.1**	**56.3**	**52.1**	**44.8**		**67.2**	***68.7***
8	[mc/h]	2158	**Lps dB rilevato(meas.)**	63.6	61.4	65.8	65.1	66.1	66.0	62.4	58.0	50.2		71.5	*73.3*
			Lps dB corretto.(calc.)	**63.1**	**60.9**	**63.2**	**61.6**	**64.3**	**64.4**	**58.7**	**54.7**	**47.1**		**69.2**	***71.2***
9	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***		**#NUM!**	***#####***
10	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***		**#NUM!**	***#####***
11	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***		**#NUM!**	***#####***
12	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8		0.0	*0.0*
			Lps dB corretto.(calc.)	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***	***#####***		**#NUM!**	***#####***

Compilato: Controllato: Data:

NICOTRA Gebhardt	BRUEL & KJAER Real-time Frequency Analyzer Type 2143 Analizzatore di Frequenza in Tempo Reale Tipo 2143	TEST N.: S4924.005 Data: 23/03/2015

Ventilatore tipo: DDMP_7/7_TIGHT Motore tipo: 1416A3

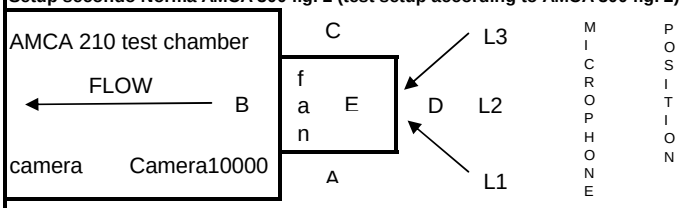
Fan type: Motor type:

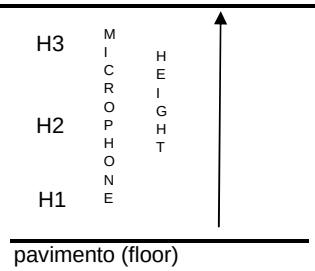
Note: Prova a---230 V 50 Hz---- Segnale costante 3 Vdc

0

0

Setup secondo Norma AMCA 300 fig. 2 (test setup according to AMCA 300 fig. 2)





Disposizione microfono dal vent. (microphone position from fan)

L1 = **0** L2 = **0** L3 =

H1 = **0** H2 = **0** H3 =

posizione motore / motor set-up: **E**

Calcolo del Livello di Pressione Sonora in campo libero secondo AMCA 300 ed ISO 3741

Sound Pressure Level free field calculation according to AMCA 300 and ISO 3741

i valori di rumore con differenze inferiori ai 3 dB fra il livello rilevato e il fondo non sono significativi

sound pressure values less than 3dB higher than background noise are not reliable

Coefficienti calc. pressione sonora da set n°/ Sou nd pressure f.f. calculation corr. factors from set n° **100**

Banda d'ottava (octave band)			Hz	63	125	250	500	1K	2K	4K	8K	16K	A	*LIN.*
Rumore di fondo (background noise)			dB	53.8	35.9	37.7	33.1	30.4	26.1	21.8	19.2	17.6	36.1	*54.0*
Corr. calc. press. sonora (s. pressure corr. factor) K				**0.0655**	**-0.5**	**-2.578**	**-3.534**	**-1.8**	**-1.618**	**-3.759**	**-3.334**	**-3.047**	**-2.4**	***-2.1***
1	[mc/h]	356	**Lps dB rilevato(meas.)**	55.4	51.1	55.6	52.7	50.9	48.7	43.8	35.3	29.9	56.0	*61.0*
			Lps dB corretto.(calc.)	**50.5**	**50.5**	**53.0**	**49.2**	**49.1**	**47.1**	**40.1**	**31.9**	**26.6**	**53.7**	***58.1***
2	[mc/h]	614	**Lps dB rilevato(meas.)**	55.3	48.7	55.4	53.4	51.6	49.3	44.5	37.3	30.0	56.5	*60.9*
			Lps dB corretto.(calc.)	**50.0**	**48.0**	**52.8**	**49.9**	**49.8**	**47.7**	**40.7**	**33.9**	**26.7**	**54.2**	***57.9***
3	[mc/h]	816	**Lps dB rilevato(meas.)**	55.6	49.8	56.7	54.3	53.1	51.0	46.3	39.9	31.4	58.0	*62.0*
			Lps dB corretto.(calc.)	**50.9**	**49.1**	**54.1**	**50.8**	**51.3**	**49.3**	**42.6**	**36.5**	**28.2**	**55.6**	***59.2***
4	[mc/h]	1002	**Lps dB rilevato(meas.)**	54.9	49.0	56.7	55.2	54.4	52.5	48.1	42.2	33.1	59.2	*62.4*
			Lps dB corretto.(calc.)	**48.4**	**48.3**	**54.1**	**51.6**	**52.6**	**50.9**	**44.3**	**38.9**	**29.9**	**56.9**	***59.4***
5	[mc/h]	1321	**Lps dB rilevato(meas.)**	55.5	50.0	58.0	58.4	57.6	56.3	51.8	46.6	37.4	62.5	*64.7*
			Lps dB corretto.(calc.)	**50.8**	**49.3**	**55.3**	**54.8**	**55.8**	**54.6**	**48.1**	**43.2**	**34.3**	**60.2**	***62.1***
6	[mc/h]	1724	**Lps dB rilevato(meas.)**	57.0	54.1	61.1	60.5	60.8	60.4	56.4	51.5	43.0	66.1	*67.8*
			Lps dB corretto.(calc.)	**54.3**	**53.5**	**58.5**	**56.9**	**59.0**	**58.8**	**52.6**	**48.2**	**39.9**	**63.8**	***65.4***
7	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####	**#NUM!**	#####
8	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####	**#NUM!**	#####
9	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####	**#NUM!**	#####
10	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####	**#NUM!**	#####
11	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####	**#NUM!**	#####
12	[mc/h]	0	**Lps dB rilevato(meas.)**	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	0.0	*0.0*
			Lps dB corretto.(calc.)	#####	#####	#####	#####	#####	#####	#####	#####	#####	**#NUM!**	#####

Compilato: Controllato: Data: