

**Flat Series**  
**Size: 1**

**Sound data for Ventilator Unit VF 101 - VF 102**

**VF 101 Fan: CFE 640/E 15**

*sound pressure level $L_p$ in dB (A)							
voltage [V]	80	100	125	150	170	190	230
<b>inlet</b>	31	40	47	52	55	58	62
<b>discharge</b>	30	39	47	52	55	58	61

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		
<b>80</b>	42	25	43	38	32	27	22	16	39	<b>80</b>	33	29	33	38	32	26	24	16	38		
<b>100</b>	50	37	50	46	42	38	33	27	48	<b>100</b>	42	39	42	47	42	36	35	27	47		
<b>125</b>	56	47	56	53	50	47	43	37	55	<b>125</b>	50	48	50	54	50	45	43	37	55		
<b>150</b>	60	53	59	57	55	52	48	43	60	<b>150</b>	54	53	55	58	55	50	48	42	60		
<b>170</b>	62	57	62	60	59	55	52	47	63	<b>170</b>	58	57	58	61	59	54	52	46	63		
<b>190</b>	64	60	64	62	62	58	55	50	66	<b>190</b>	60	60	61	63	61	57	55	49	65		
<b>230</b>	67	65	66	65	66	62	59	54	70	<b>230</b>	64	64	64	65	65	61	59	53	69		

**VF 102 Fan: CFE 740/E 25**

*sound pressure level $L_p$ in dB (A)							
voltage [V]	80	100	125	150	170	190	230
<b>inlet</b>	30	39	47	54	58	61	66
<b>discharge</b>	29	39	46	54	58	61	65

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		
<b>80</b>	42	24	42	37	31	27	21	15	38	<b>80</b>	32	28	32	38	32	25	24	15	38		
<b>100</b>	50	36	50	46	41	37	33	27	47	<b>100</b>	42	39	42	46	42	36	34	27	47		
<b>125</b>	56	46	55	52	50	46	42	36	55	<b>125</b>	49	47	50	53	50	44	43	36	54		
<b>150</b>	61	55	61	59	58	54	51	45	62	<b>150</b>	56	55	57	59	57	52	51	44	61		
<b>170</b>	65	60	64	62	62	58	55	50	66	<b>170</b>	60	60	61	63	62	57	55	49	66		
<b>190</b>	67	64	66	65	65	62	59	54	69	<b>190</b>	63	64	64	66	65	60	59	53	69		
<b>230</b>	70	69	69	68	70	66	64	59	74	<b>230</b>	67	68	68	69	69	65	63	58	73		

**Flat Series**  
**Size: 2**

**Sound data for Ventilator Unit VF 221 - VF 223**

**VF 221 Fan: CFE 840/E 35**

*sound pressure level $L_p$ in dB (A)							
voltage [V]	80	100	125	150	170	190	230
<b>inlet</b>	30	38	46	52	56	60	64
<b>discharge</b>	34	44	52	58	61	65	69

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>80</b>	46	31	41	33	32	30	27	23	38	<b>80</b>	49	33	44	41	35	28	30	25	42
<b>100</b>	52	40	47	41	40	38	36	31	46	<b>100</b>	47	43	48	52	48	42	40	33	52
<b>125</b>	58	49	53	49	48	46	45	40	54	<b>125</b>	55	51	55	58	56	50	49	42	60
<b>150</b>	62	57	57	55	54	53	52	47	60	<b>150</b>	60	58	61	63	62	57	55	49	66
<b>170</b>	65	61	60	59	58	57	56	52	64	<b>170</b>	64	62	64	67	65	61	59	53	69
<b>190</b>	68	65	62	63	62	60	60	56	68	<b>190</b>	67	66	68	69	69	64	63	57	73
<b>230</b>	71	71	65	67	66	65	65	61	72	<b>230</b>	71	70	72	73	73	69	67	62	77

**VF 222 Fan: CFE 8-940/E 65**

*sound pressure level $L_p$ in dB (A)							
voltage [V]	80	100	125	150	170	190	230
<b>inlet</b>	31	38	46	53	57	60	65
<b>discharge</b>	38	45	53	58	62	66	70

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>80</b>	47	32	42	34	33	31	29	24	39	<b>80</b>	41	36	42	46	41	35	34	26	46
<b>100</b>	53	41	47	42	41	39	37	32	46	<b>100</b>	48	44	48	52	48	43	41	34	53
<b>125</b>	58	50	53	50	49	47	46	41	54	<b>125</b>	55	52	56	59	56	51	49	43	61
<b>150</b>	63	57	57	56	55	53	52	48	61	<b>150</b>	61	59	61	64	62	57	56	50	66
<b>170</b>	66	62	60	60	59	58	57	53	65	<b>170</b>	65	63	65	67	66	62	60	54	70
<b>190</b>	68	66	63	64	63	61	61	56	68	<b>190</b>	68	66	68	70	70	65	63	58	74
<b>230</b>	72	72	66	69	68	66	66	62	73	<b>230</b>	72	72	73	74	74	70	68	64	78

**VF 223 Fan: CFE 8-940/E 80**

*sound pressure level $L_p$ in dB (A)							
voltage [V]	80	100	125	150	170	190	230
<b>inlet</b>	28	39	51	59	63	67	70
<b>discharge</b>	35	46	57	64	68	71	74

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>80</b>	45	28	40	31	30	28	25	20	36	<b>80</b>	38	32	38	43	38	32	30	22	43
<b>100</b>	53	42	48	43	42	40	38	33	47	<b>100</b>	49	45	49	53	49	44	42	35	54
<b>125</b>	62	55	56	54	53	52	51	46	59	<b>125</b>	59	57	60	62	61	56	54	48	65
<b>150</b>	67	64	62	62	61	60	59	55	67	<b>150</b>	67	65	67	69	68	64	62	57	72
<b>170</b>	71	70	65	67	66	64	64	60	71	<b>170</b>	71	69	71	72	72	68	66	61	76
<b>190</b>	73	73	67	70	69	67	67	63	75	<b>190</b>	73	73	74	75	75	71	69	65	79
<b>230</b>	75	77	69	73	72	71	71	67	78	<b>230</b>	76	76	77	78	79	75	73	68	82

**Flat Series**  
**Size: 3**

**Sound data for Ventilator Unit VF 308 - VF 310**

**VF 308 Fan: CFE 8-940/E 65**

*sound pressure level $L_p$ in dB (A)							
voltage [V]	80	100	125	150	170	190	230
<b>inlet</b>	31	38	46	53	57	60	65
<b>discharge</b>	38	45	53	58	62	66	70

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	
<b>80</b>	47	32	42	34	33	31	29	24	39		<b>80</b>	41	36	42	46	41	35	34	26	46	
<b>100</b>	53	41	47	42	41	39	37	32	46		<b>100</b>	48	44	48	52	48	43	41	34	53	
<b>125</b>	58	50	53	50	49	47	46	41	54		<b>125</b>	55	52	56	59	56	51	49	43	61	
<b>150</b>	63	57	57	56	55	53	52	48	61		<b>150</b>	61	59	61	64	62	57	56	50	66	
<b>170</b>	66	62	60	60	59	58	57	53	65		<b>170</b>	65	63	65	67	66	62	60	54	70	
<b>190</b>	68	66	63	64	63	61	61	56	68		<b>190</b>	68	66	68	70	70	65	63	58	74	
<b>230</b>	72	72	66	69	68	66	66	62	73		<b>230</b>	72	72	73	74	74	70	68	64	78	

**VF 310 Fan: CFE 930/E 80**

*sound pressure level $L_p$ in dB (A)							
voltage [V]	80	100	125	150	170	190	230
<b>inlet</b>	29	40	51	60	64	68	71
<b>discharge</b>	36	46	57	65	69	72	76

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	
<b>80</b>	45	29	40	32	31	29	26	21	37		<b>80</b>	39	33	39	44	39	33	31	23	44	
<b>100</b>	54	42	48	43	42	40	38	34	48		<b>100</b>	49	45	50	53	50	44	43	36	54	
<b>125</b>	62	56	56	55	54	52	51	47	59		<b>125</b>	60	57	60	63	61	56	54	48	65	
<b>150</b>	68	65	62	63	62	61	60	56	68		<b>150</b>	67	66	68	70	69	65	63	57	73	
<b>170</b>	71	71	65	68	67	65	65	61	72		<b>170</b>	71	70	72	73	73	69	67	62	77	
<b>190</b>	74	74	67	71	70	68	68	64	76		<b>190</b>	74	74	75	76	76	72	70	66	80	
<b>230</b>	76	78	70	74	73	72	72	68	79		<b>230</b>	77	77	78	79	80	76	74	70	84	

**Flat Series**  
**Size: 3**

**Sound data for Ventilator Unit VF 311 - VF 312**

**VF 311 Fan: CFE 930/D 1**

*sound pressure level $L_p$ in dB (A)					
voltage [V]	120	180	230	280	400
inlet	47	59	65	68	73
discharge	53	64	69	73	77

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	
120	59	51	53	50	49	48	46	42	55		120	56	53	56	59	57	52	50	44	61	
180	67	64	61	62	61	60	59	55	67		180	66	65	67	69	68	64	62	56	72	
230	71	71	65	68	67	65	65	61	73		230	72	71	72	73	73	69	67	63	77	
280	74	75	68	71	70	69	69	65	76		280	75	74	75	76	77	73	71	67	81	
400	77	80	71	75	74	73	74	70	81		400	78	79	79	80	81	77	75	71	85	

**VF 312 Fan: CFE 9-070/D 2**

*sound pressure level $L_p$ in dB (A)					
voltage [V]	120	180	230	280	400
inlet	44	57	63	68	75
discharge	50	62	68	73	79

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

inlet side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]	discharge side: sound power level in $L_w$ [dB] at mid frequency in (Hz) (at free air!)										$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	
120	56	47	51	47	46	44	43	38	52		120	53	49	53	57	54	48	47	40	58	
180	66	62	60	60	59	57	57	52	65		180	65	63	65	67	66	61	60	54	70	
230	70	69	65	66	65	64	64	60	71		230	70	69	71	72	72	68	66	61	76	
280	74	75	68	71	70	69	69	65	76		280	75	74	75	76	77	73	71	66	81	
400	78	82	72	77	76	75	76	72	83		400	80	81	81	81	83	79	77	73	87	

**Flat Series**  
**Size: 4**

**Sound data for Ventilator Unit VF 407 - VF 410**

<b>VF 407 Fan: CFE 931/E 80</b>										<b>*sound pressure level <math>L_p</math> in dB (A)</b>									
										<b>voltage [V]</b>	80	100	125	150	170	190	230		
										<b>inlet</b>	29	40	51	60	64	68	71		
										<b>discharge</b>	36	46	57	65	69	72	76		
										* related to room absorption of 8 db (25m <sup>2</sup> Sabine), at free air! measured in distance of 3 m									
<b>inlet side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]	<b>discharge side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>80</b>	45	29	40	32	31	29	26	21	37	<b>80</b>	39	33	39	44	39	33	31	23	44
<b>100</b>	54	42	48	43	42	40	38	34	48	<b>100</b>	49	45	50	53	50	44	43	36	54
<b>125</b>	62	56	56	55	54	52	51	47	59	<b>125</b>	60	57	60	63	61	56	54	48	65
<b>150</b>	68	65	62	63	62	61	60	56	68	<b>150</b>	67	66	68	70	69	65	63	57	73
<b>170</b>	71	71	65	68	67	65	65	61	72	<b>170</b>	71	70	72	73	73	69	67	62	77
<b>190</b>	74	74	67	71	70	68	68	64	76	<b>190</b>	74	74	75	76	76	72	70	66	80
<b>230</b>	76	78	70	74	73	72	72	68	79	<b>230</b>	77	77	78	79	80	76	74	70	84

  

<b>VF 408 Fan: CFE 931/D 1</b>										<b>*sound pressure level <math>L_p</math> in dB (A)</b>									
										<b>voltage [V]</b>	120	180	230	280	400				
										<b>inlet</b>	47	59	65	68	73				
										<b>discharge</b>	53	64	69	73	77				
										* related to room absorption of 8 db (25m <sup>2</sup> Sabine), at free air! measured in distance of 3 m									
<b>inlet side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]	<b>discharge side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>120</b>	59	51	53	50	49	48	46	42	55	<b>120</b>	56	53	56	59	57	52	50	44	61
<b>180</b>	67	64	61	62	61	60	59	55	67	<b>180</b>	66	65	67	69	68	64	62	56	72
<b>230</b>	71	71	65	68	67	65	65	61	73	<b>230</b>	72	71	72	73	73	69	67	63	77
<b>280</b>	74	75	68	71	70	69	69	65	76	<b>280</b>	75	74	75	76	77	73	71	67	81
<b>400</b>	77	80	71	75	74	73	74	70	81	<b>400</b>	78	79	79	80	81	77	75	71	85

  

<b>VF 409 Fan: CFE 9-070/D 2</b>										<b>*sound pressure level <math>L_p</math> in dB (A)</b>									
										<b>voltage [V]</b>	120	180	230	280	400				
										<b>inlet</b>	44	57	63	68	75				
										<b>discharge</b>	50	62	68	73	79				
										* related to room absorption of 8 db (25m <sup>2</sup> Sabine), at free air! measured in distance of 3 m									
<b>inlet side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]	<b>discharge side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>120</b>	56	47	51	47	46	44	43	38	52	<b>120</b>	53	49	53	57	54	48	47	40	58
<b>180</b>	66	62	60	60	59	57	57	52	65	<b>180</b>	65	63	65	67	66	61	60	54	70
<b>230</b>	70	69	65	66	65	64	64	60	71	<b>230</b>	70	69	71	72	72	68	66	61	76
<b>280</b>	74	75	68	71	70	69	69	65	76	<b>280</b>	75	74	75	76	77	73	71	66	81
<b>400</b>	78	82	72	77	76	75	76	72	83	<b>400</b>	80	81	81	81	83	79	77	73	87

  

<b>VF 410 Fan: CFE 9-070/D2.5</b> <b>sound data: only fan!</b>										<b>*sound pressure level <math>L_p</math> in dB (A)</b>									
										<b>voltage [V]</b>	120	180	230	280	400				
										<b>inlet</b>	56	67	73	77	80				
										<b>discharge</b>	56	68	73	76	79				
										* related to room absorption of 8 db (25m <sup>2</sup> Sabine), at free air! measured in distance of 3 m									
<b>inlet side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]	<b>discharge side: sound power level in <math>L_w</math> [dB]</b> at mid frequency in (Hz) (at free air!)									$L_{WA}$ [dB(A)]
voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>120</b>	62	58	62	60	60	56	54	49	65	<b>120</b>	58	59	60	61	60	56	53	49	65
<b>180</b>	72	72	71	71	71	69	58	61	76	<b>180</b>	70	71	71	73	73	67	58	62	77
<b>230</b>	75	78	75	75	77	74	72	68	81	<b>230</b>	74	75	74	76	77	73	71	67	81
<b>280</b>	80	84	78	78	82	78	77	72	85	<b>280</b>	78	81	80	80	81	77	75	71	84
<b>400</b>	81	87	79	80	83	81	82	77	88	<b>400</b>	81	83	81	82	83	81	78	75	87

**Flat Series**  
**Size: 5**

**Sound data for Ventilator Unit VF 501 - VF 503**

**VF 501 Fan: 2 x CFE 930/E80**

**\*sound pressure level  $L_p$  in dB (A)**

<b>voltage [V]</b>	80	100	125	150	170	190	230
<b>inlet</b>	37	47	58	66	70	74	77
<b>discharge</b>	39	49	60	68	72	75	79

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

**inlet side: sound power level in  $L_w$  [dB]**  
at mid frequency in (Hz) (at free air!)

$L_{WA}$   
[dB(A)]

**discharge side: sound power level in  $L_w$  [dB]**  
at mid frequency in (Hz) (at free air!)

$L_{WA}$   
[dB(A)]

voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>80</b>	48	33	48	44	39	35	30	24	45	<b>80</b>	42	36	42	47	42	36	34	26	47
<b>100</b>	57	46	56	53	50	46	42	37	55	<b>100</b>	52	48	53	56	53	47	46	39	57
<b>125</b>	65	60	64	62	62	58	55	50	66	<b>125</b>	63	60	63	66	64	59	57	51	68
<b>150</b>	71	69	70	69	70	67	64	59	74	<b>150</b>	70	69	71	73	72	68	66	60	76
<b>170</b>	74	75	73	73	75	71	69	64	78	<b>170</b>	74	73	75	76	76	72	70	65	80
<b>190</b>	77	78	75	75	78	74	72	67	82	<b>190</b>	77	77	78	79	79	75	73	69	83
<b>230</b>	79	82	78	78	81	78	76	71	85	<b>230</b>	80	80	81	82	83	79	77	73	87

**VF 502 Fan: 2 x CFE CFE930/D1**

**\*sound pressure level  $L_p$  in dB (A)**

<b>voltage [V]</b>	120	180	230	280	400
<b>inlet</b>	51	63	69	74	80
<b>discharge</b>	53	65	71	76	82

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

**inlet side: sound power level in  $L_w$  [dB]**  
at mid frequency in (Hz) (at free air!)

$L_{WA}$   
[dB(A)]

**discharge side: sound power level in  $L_w$  [dB]**  
at mid frequency in (Hz) (at free air!)

$L_{WA}$   
[dB(A)]

voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>120</b>	62	55	61	59	57	54	50	45	62	<b>120</b>	59	56	59	62	60	55	53	47	64
<b>180</b>	70	68	69	68	69	66	63	58	73	<b>180</b>	69	68	70	72	71	67	65	59	75
<b>230</b>	74	75	73	73	75	71	69	64	79	<b>230</b>	75	74	75	76	76	72	70	66	80
<b>280</b>	77	79	76	76	78	75	73	68	82	<b>280</b>	78	77	78	79	80	76	74	70	84
<b>400</b>	80	84	79	79	82	79	78	73	86	<b>400</b>	81	82	82	83	84	80	78	74	88

**VF 503 Fan: 2 x CFE 9-070/D 2**

**\*sound pressure level  $L_p$  in dB (A)**

<b>voltage [V]</b>	120	180	230	280	400
<b>inlet</b>	51	63	69	74	80
<b>discharge</b>	53	65	71	76	82

\* related to room absorption of 8 db (25m<sup>2</sup> Sabine), at free air!  
measured in distance of 3 m

**inlet side: sound power level in  $L_w$  [dB]**  
at mid frequency in (Hz) (at free air!)

$L_{WA}$   
[dB(A)]

**discharge side: sound power level in  $L_w$  [dB]**  
at mid frequency in (Hz) (at free air!)

$L_{WA}$   
[dB(A)]

voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	voltage [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
<b>120</b>	59	51	59	56	54	50	47	41	59	<b>120</b>	56	52	56	60	57	51	50	43	61
<b>180</b>	69	66	68	67	67	63	61	55	71	<b>180</b>	68	66	68	70	69	64	63	57	73
<b>230</b>	73	73	73	72	73	70	68	63	77	<b>230</b>	73	72	74	75	75	71	69	64	79
<b>280</b>	77	79	76	75	78	75	73	68	82	<b>280</b>	78	77	78	79	80	76	74	69	84
<b>400</b>	81	86	80	80	84	81	80	75	88	<b>400</b>	83	84	84	84	86	82	80	76	90