

41 ... Series "Standard"

Sound data for Roof Top Units

Type: 41.201 Fan: D 770/E 65

Operat. Voltage [V]	Sound Pressure Level in dB (A)						
	80	100	125	150	170	190	230
Inlet *	41	47	53	58	61	63	66
Discharge **	25	31	37	42	45	47	51

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m
 ** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)																												
Oper. Volts [V]	Total									Oper. Volts [V]	Total									Oper. Volts [V]	Total																												
	63	125	250	500	1000	2000	4000	8000	45-11200		63	125	250	500	1000	2000	4000	8000	45-11200																														
80	50	46	42	45	44	42	42	38	49	80	51	47	48	49	49	45	43	40	53	100	55	51	48	51	50	47	48	44	55	100	55	53	53	55	55	51	49	46	59										
100	55	51	48	51	50	47	48	44	55	125	60	57	53	57	56	54	54	50	61	125	60	59	59	61	61	57	56	52	65	150	63	62	58	61	60	59	59	55	66	150	64	63	64	66	66	62	60	57	70
125	60	57	53	57	56	54	54	50	61	170	65	64	60	64	63	61	61	58	69	170	66	66	66	69	69	65	63	59	73	190	67	66	63	66	65	64	64	60	71	190	68	68	69	71	71	68	66	62	75
150	63	62	58	61	60	59	59	55	66	230	70	70	66	70	69	67	67	63	74	230	71	72	72	75	75	71	69	65	79																				

Type: 41.202 Fan: D 770/E 80

Operat. Voltage [V]	Sound Pressure Level in dB (A)						
	80	100	125	150	170	190	230
Inlet *	40	49	57	63	65	66	69
Discharge **	24	33	41	47	49	50	54

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m
 ** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)																												
Oper. Volts [V]	Total									Oper. Volts [V]	Total									Oper. Volts [V]	Total																												
	63	125	250	500	1000	2000	4000	8000	45-11200		63	125	250	500	1000	2000	4000	8000	45-11200																														
80	50	45	41	44	43	41	41	37	48	80	50	47	47	48	48	44	43	39	52	100	57	54	50	53	52	50	50	46	57	100	57	55	55	57	57	53	52	48	61										
100	57	54	50	53	52	50	50	46	57	125	62	61	57	60	59	58	58	54	65	125	63	62	63	65	65	61	59	55	69	150	67	66	62	66	65	63	63	59	71	150	68	68	68	71	71	67	65	61	75
125	62	61	57	60	59	58	58	54	65	170	69	68	64	68	67	66	66	62	73	170	69	70	70	73	73	70	68	64	77	190	69	69	65	69	68	67	67	63	74	190	70	71	71	74	74	71	69	65	78
150	67	66	62	66	65	63	63	59	71	230	72	72	68	72	71	70	70	66	77	230	73	74	74	77	77	74	72	68	82																				

Type: 41.308 Fan: D 970/D 2

Operat. Voltage [V]	Sound Pressure Level in dB (A)						
	120	180	230	280	400		
Inlet *	52	57	62	66	71		
Discharge **	34	40	45	48	53		

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m
 ** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)																												
Oper. Volts [V]	Total									Oper. Volts [V]	Total									Oper. Volts [V]	Total																												
	63	125	250	500	1000	2000	4000	8000	45-11200		63	125	250	500	1000	2000	4000	8000	45-11200																														
120	58	55	52	55	54	52	52	48	59	120	57	55	56	58	58	54	52	48	62	180	62	61	61	64	64	60	58	54	68	230	67	66	62	66	65	63	63	59	70	230	66	66	66	69	69	65	63	59	73
180	63	61	57	61	60	58	58	54	65	280	69	69	65	69	68	67	67	63	74	280	68	69	69	72	72	69	67	63	76	400	73	74	70	74	73	72	72	67	79	400	72	74	74	77	77	74	72	67	81

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Sound data for Roof Top Units

Type: 41.309 Fan: DS 9-070/D 2.5

Operat. Voltage [V]	Sound Pressure Level in dB (A)							
	120	180	230	280	400			
Inlet *	52	62	66	69	74			
Discharge **	35	44	48	51	56			

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m
 ** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)
Oper. Volts [V]										Total 45-11200	Oper. Volts [V]										Total 45-11200
	63	125	250	500	1000	2000	4000	8000	63			125	250	500	1000	2000	4000	8000			
120	59	56	52	56	55	53	53	49	60	120	58	56	56	59	59	55	53	49	63		
180	66	65	61	65	64	62	62	58	70	180	65	65	65	68	68	64	62	58	72		
230	69	69	65	69	68	67	67	63	74	230	68	69	69	72	72	69	67	63	76		
280	72	72	68	72	71	70	70	66	77	280	71	72	72	75	75	72	70	66	79		
400	75	76	73	77	76	75	74	70	82	400	74	76	77	80	80	77	74	70	84		

Type: 41.310 Fan: DS 9-070/D 5

Operat. Voltage [V]	Sound Pressure Level in dB (A)							
	120	180	230	280	400			
Inlet *	57	67	72	75	78			
Discharge **	39	49	54	57	60			

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m
 ** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)
Oper. Volts [V]										Total 45-11200	Oper. Volts [V]										Total 45-11200
	63	125	250	500	1000	2000	4000	8000	63			125	250	500	1000	2000	4000	8000			
120	62	60	57	60	59	57	57	53	65	120	61	60	61	63	63	59	57	53	67		
180	70	70	66	70	69	68	67	63	75	180	69	70	70	73	73	70	67	63	77		
230	74	74	71	75	74	73	72	68	80	230	73	74	75	78	78	75	72	68	82		
280	76	77	74	78	77	76	75	71	83	280	75	77	78	81	81	78	75	71	85		
400	78	80	76	81	80	79	78	74	86	400	77	80	80	84	84	81	78	74	88		

Type: 41.311 Fan: DS 9-001/D5

Operat. Voltage [V]	Sound Pressure Level in dB (A)							
	120	180	230	280	400			
Inlet *	56	67	72	75	78			
Discharge **	38	49	54	57	60			

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m
 ** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)
Oper. Volts [V]										Total 45-11200	Oper. Volts [V]										Total 45-11200
	63	125	250	500	1000	2000	4000	8000	63			125	250	500	1000	2000	4000	8000			
120	62	60	56	59	58	57	57	53	64	120	61	60	60	62	62	59	57	53	66		
180	70	70	66	70	69	68	67	63	75	180	69	70	70	73	73	70	67	63	77		
230	74	74	71	75	74	73	72	68	80	230	73	74	75	78	78	75	72	68	82		
280	76	77	74	78	77	76	75	71	83	280	75	77	78	81	81	78	75	71	85		
400	78	80	77	81	80	79	79	75	86	400	77	80	81	84	84	81	79	75	88		

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Sound data for Roof Top Units

Type: 41.313 Fan: DS 0-101/TD 10

Operat. Voltage [V]	Sound Pressure Level in dB (A)						
	120	180	230	280	400		
Inlet *	62	71	75	78	81		
Discharge **	45	53	58	61	64		

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m

** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)
Oper. Volts										Total	Oper. Volts										Total
[V]	63	125	250	500	1000	2000	4000	8000	45-11200		[V]	63	125	250	500	1000	2000	4000	8000	45-11200	
120	67	66	62	66	65	63	63	59	70		120	66	66	66	69	69	65	63	59	73	
180	73	74	70	74	73	72	72	68	79		180	72	74	74	77	77	74	72	68	81	
230	77	78	74	79	78	77	76	72	83		230	76	78	78	82	82	79	76	72	86	
280	79	81	77	81	80	79	79	75	86		280	78	81	81	84	84	81	79	75	89	
400	81	84	80	84	83	83	82	78	89		400	80	84	84	87	87	85	82	78	92	

Type: 41.406 Fan: DS 9-070/D 5

Operat. Voltage [V]	Sound Pressure Level in dB (A)						
	120	180	230	280	400		
Inlet *	57	67	72	75	78		
Discharge **	39	49	54	57	60		

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m

** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)
Oper. Volts										Total	Oper. Volts										Total
[V]	63	125	250	500	1000	2000	4000	8000	45-11200		[V]	63	125	250	500	1000	2000	4000	8000	45-11200	
120	62	60	57	60	59	57	57	53	65		120	61	60	61	63	63	59	57	53	67	
180	70	70	66	70	69	68	67	63	75		180	69	70	70	73	73	70	67	63	77	
230	74	74	71	75	74	73	72	68	80		230	73	74	75	78	78	75	72	68	82	
280	76	77	74	78	77	76	75	71	83		280	75	77	78	81	81	78	75	71	85	
400	78	80	76	81	80	79	78	74	86		400	77	80	80	84	84	81	78	74	88	

Type: 41.407 Fan: DS 9-001/D 5

Operat. Voltage [V]	Sound Pressure Level in dB (A)						
	120	180	230	280	400		
Inlet *	56	67	72	75	78		
Discharge **	38	49	54	57	60		

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m

** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)										A-weighted dB (A)
Oper. Volts										Total	Oper. Volts										Total
[V]	63	125	250	500	1000	2000	4000	8000	45-11200		[V]	63	125	250	500	1000	2000	4000	8000	45-11200	
120	62	60	56	59	58	57	57	53	64		120	61	60	60	62	62	59	57	53	66	
180	70	70	66	70	69	68	67	63	75		180	69	70	70	73	73	70	67	63	77	
230	74	74	71	75	74	73	72	68	80		230	73	74	75	78	78	75	72	68	82	
280	76	77	74	78	77	76	75	71	83		280	75	77	78	81	81	78	75	71	85	
400	78	80	77	81	80	79	79	75	86		400	77	80	81	84	84	81	79	75	88	

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Sound data for Roof Top Units

Type: 41.409 Fan: DS 0-101/TD 10

Operat. Voltage [V]	Sound Pressure Level in dB (A)							
	120	180	230	280	400			
Inlet *	62	71	75	78	81			
Discharge **	45	53	58	61	64			

* referring to a room absorption of 8 dB (25m² Sabine) measured in a distance of 3 m

** rated outside in a distance of 5 m

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)									A-weighted dB (A)	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air !)									A-weighted dB (A)
Oper. Volts [V]	63	125	250	500	1000	2000	4000	8000	Total 45-11200	Oper. Volts [V]	63	125	250	500	1000	2000	4000	8000	Total 45-11200
120	67	66	62	66	65	63	63	59	70	120	66	66	66	69	69	65	63	59	73
180	73	74	70	74	73	72	72	68	79	180	72	74	74	77	77	74	72	68	81
230	77	78	74	79	78	77	76	72	83	230	76	78	78	82	82	79	76	72	86
280	79	81	77	81	80	79	79	75	86	280	78	81	81	84	84	81	79	75	89
400	81	84	80	84	83	83	82	78	89	400	80	84	84	87	87	85	82	78	92