

**Sound data for FISCHBACH High-Efficiency-Fan
Single Inlet**

HE 500/D 2

Operat. Voltage [V]	* Sound Pressure Level in dB (A)							
	120	180	230	280	400			
Inlet	42	57	66	70	75			
Discharge	43	59	68	72	77			

* related to room absorption of 8 dB (25m² Sabine), at free air !
measured in distance of 3 m.

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air!)										L _{WA} [dB (A)]	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air!)										L _{WA} [dB (A)]
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	47	40	53	51	25	33	30	40	50	120	49	41	54	52	27	34	31	41	51		
180	60	59	69	66	49	50	46	50	65	180	62	60	71	68	51	52	48	52	67		
230	68	69	78	74	63	61	57	56	74	230	70	71	80	76	64	62	58	58	76		
280	72	74	82	78	68	66	61	59	78	280	73	75	84	80	70	67	63	60	80		
400	76	79	87	82	76	72	67	62	83	400	78	81	89	84	77	73	69	64	85		

HE 560/D 2.5

Operat. Voltage [V]	* Sound Pressure Level in dB (A)							
	120	180	230	280	400			
Inlet	42	60	67	71	77			
Discharge	43	60	67	72	78			

* related to room absorption of 8 dB (25m² Sabine), at free air !
measured in distance of 3 m.

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air!)										L _{WA} [dB (A)]	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air!)										L _{WA} [dB (A)]
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	47	40	53	51	25	33	30	40	50	120	49	41	54	52	27	34	31	42	51		
180	62	61	72	68	52	53	49	52	68	180	63	62	72	69	53	53	50	52	68		
230	68	69	79	75	63	61	57	56	75	230	69	70	79	75	63	62	58	57	75		
280	73	75	83	79	69	67	62	60	79	280	73	75	84	80	70	67	63	60	80		
400	78	81	89	84	78	73	69	63	85	400	79	82	90	85	78	74	70	64	86		

HE 630/D 5

Operat. Voltage [V]	* Sound Pressure Level in dB (A)							
	120	180	230	280	400			
Inlet	46	67	75	81	86			
Discharge	48	67	76	82	87			

* related to room absorption of 8 dB (25m² Sabine), at free air !
measured in distance of 3 m.

Inlet side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air!)										L _{WA} [dB (A)]	Discharge side: Sound Power Level Lw in dB (linear) at mid frequency in Hz (at free air!)										L _{WA} [dB (A)]
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	51	45	57	55	32	37	34	43	54	120	52	47	59	57	33	39	36	44	56		
180	69	69	79	75	63	61	57	56	75	180	69	70	80	75	64	62	58	57	75		
230	76	79	87	82	75	71	67	62	83	230	77	80	88	83	76	72	68	63	84		
280	81	85	92	87	83	78	73	66	89	280	82	86	93	88	84	79	74	67	90		
400	85	90	97	91	89	84	79	69	94	400	86	91	98	92	90	85	80	70	95		