

sound data for FISCHBACH High Efficiency Fan single inlet

HE 500/D 2

*sound pressure level in dB (A)					
operat. voltage [V]	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 3m

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 [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
120	47	40	53	51	25	33	30	40	50	120	49	41	54	52	27	34	31	41	51	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	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	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	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	400	78	81	89	84	77	73	69	64	85

HE 560/D 2.5

*sound pressure level in dB (A)					
operat. voltage [V]	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 3m

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 [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
120	47	40	53	51	25	33	30	40	50	120	49	41	54	52	27	34	31	42	51	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	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	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	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	400	79	82	90	85	78	74	70	64	86

HE 630/D 5

*sound pressure level in dB (A)					
operat. voltage [V]	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 3m

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 [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
120	51	45	57	55	32	37	34	43	54	120	52	47	59	57	33	39	36	44	56	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	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	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	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	400	86	91	98	92	90	85	80	70	95

sound data for FISCHBACH High Efficiency Fan double inlet

HD 500/D 2.5

*sound pressure level in dB (A)					
operat. voltage [V]	120	180	230	280	400
inlet	51	66	74	79	85
discharge	52	67	75	80	86

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

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 [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		
120	55	51	62	60	39	43	39	46	59	120	56	52	64	61	41	44	41	47	60		
180	68	69	79	75	63	61	57	56	74	180	69	70	79	75	63	62	57	57	75		
230	75	78	86	81	73	70	65	61	82	230	76	78	87	82	74	71	66	62	83		
280	79	83	90	85	80	75	71	65	87	280	80	84	91	86	81	76	72	65	88		
400	85	89	96	90	88	83	78	69	93	400	85	90	97	91	89	84	79	70	94		

HD 560/D 5

*sound pressure level in dB (A)					
operat. voltage [V]	120	180	230	280	400
inlet	51	68	77	82	88
discharge	52	68	78	83	89

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

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 [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		
120	55	51	62	59	39	42	39	45	59	120	56	52	64	61	40	44	41	47	60		
180	69	71	80	76	64	62	58	57	76	180	70	71	81	76	65	63	59	58	76		
230	78	81	89	84	77	73	69	63	85	230	78	82	90	85	78	74	70	64	86		
280	82	86	93	88	84	80	75	67	90	280	83	87	94	89	85	81	76	68	91		
400	87	92	98	92	91	86	80	70	96	400	88	93	99	93	92	87	82	71	97		

HD 630/D 5

*Schalldruckpegel Lp in dB (A)					
operat. voltage [V]	120	180	230	280	400
inlet	70	80	87	91	93
discharge	54	63	71	76	77

* sound pressure level A - rated in a distance of 4m from the inlet, (room absorption 8 db)
** sound pressure level A - rated at free air in a distance of 4m from the discharge, (absorption 20 db)

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 [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200		
120	77	73	80	77	73	63	56	54	84	120	79	72	73	73	69	66	57	59	82		
180	90	83	90	87	81	73	74	62	95	180	84	82	84	82	77	68	72	61	90		
230	93	91	97	92	92	79	84	78	100	230	89	89	91	89	88	75	80	74	96		
280	96	93	100	95	96	84	87	85	104	280	90	96	98	92	93	80	83	83	102		
400	96	95	101	96	99	86	88	89	105	400	93	96	98	93	94	83	84	87	103		

**sound data for FISCHBACH High Efficiency Fan
double inlet**

HD 630/TD 10

*sound pressure level in dB (A)					
operat. voltage [V]	120	180	230	280	400
inlet	62	78	85	90	94
discharge	64	80	87	92	96

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

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 [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200	oper. volts [Volt]	63	125	250	500	1000	2000	4000	8000	total 45-11200
120	64	64	74	70	56	56	52	53	70	120	66	66	76	72	58	57	54	55	72
180	79	82	90	85	80	75	70	64	86	180	81	84	92	87	82	77	72	66	88
230	85	89	96	90	89	83	78	69	93	230	87	91	98	92	91	85	80	71	95
280	88	93	100	94	94	88	83	71	98	280	90	96	102	96	96	90	85	73	100
400	91	97	103	96	98	92	87	74	102	400	93	99	105	99	100	95	89	76	104