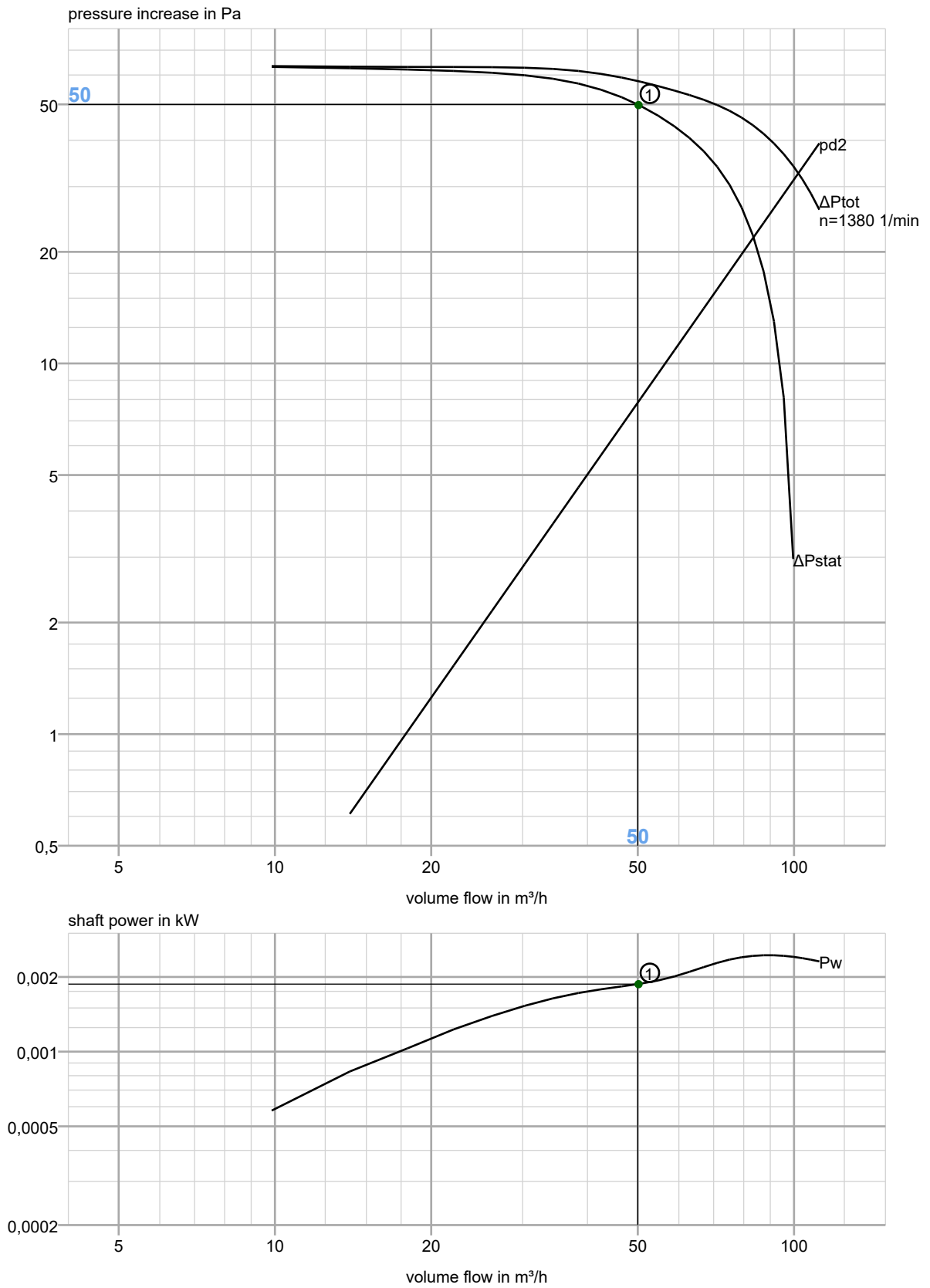


HF-type : HF R 75-16 D / DS

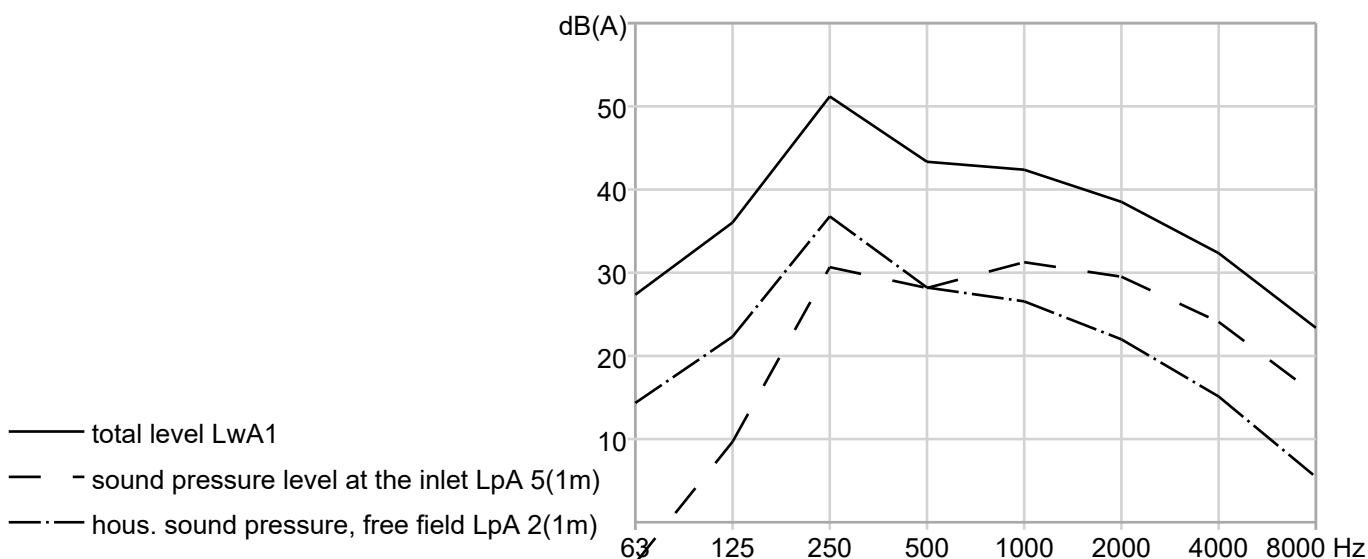


Subject to technical changes!

### sound data

make	: Hürner Luft - und Umwelttechnik			
type	: HF R 75-16 D / DS			
housing	: PPs 2,5 mm	volume flow	: 50	m <sup>3</sup> /h
inlet diameter	: 70 mm	total pressure difference	: 58	Pa
outlet opening	: 70 mm	medium temperature	: 20	°C
operating speed	: 1380 1/min	medium density	: 1,204	kg/m <sup>3</sup>
number of blades	: 10	operat. point V/Vopt	: 0,86	
blade frequency	: 230 Hz	measuring surface	: 15	m <sup>2</sup>

basic capacity (VDI 3731)	dB	61,5								
sound adjustment	dB	0								
<b>octave band</b>	<b>Hz</b>	<b>total</b>	<b>63</b>	<b>125</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>2000</b>	<b>4000</b>	<b>8000</b>
turning sound adjustment	dB		0	0	10	0	0	0	0	0
Strouhal number	dB		0,9	1,7	3,5	6,9	13,8	27,7	55,4	110,7
relative spectrum	dB		-7,9	-9,4	-11,7	-15	-19,1	-24,2	-30,1	-37
linear total level	dB	61,5	53,6	52,1	59,8	46,5	42,4	37,3	31,3	24,5
A-weighting	dB		-26,2	-16,1	-8,6	-3,2	0	1,2	1	-1,1
housing insulation	dB		-1,2	-1,9	-2,6	-3,3	-4	-4,7	-5,4	-6,1
total level	LwA 1 dB(A)	53	27	36	51	43	42	39	32	23
housing level	LwA 2 dB(A)	50	26	34	49	40	38	34	27	17
inlet level of the duct	LwA 3 dB(A)	53	27	36	51	43	42	39	32	23
outlet level of the duct	LwA 4 dB(A)	53	27	36	51	43	42	39	32	23
free inlet level	LwA 5 dB(A)	44	3	18	39	36	39	37	32	23
free outlet level	LwA 6 dB(A)	44	3	18	39	36	39	37	32	23
housing and free inlet level	LwA 7 dB(A)	51	26	34	49	42	42	39	33	24
housing and free outlet level	LwA 8 dB(A)	51	26	34	49	42	42	39	33	24
free outlet level	LwA 6 dB(A)	44 / 66 (without motor/with motor)								
hous. sound pressure, free field LpA 2(1m)	dB(A)	38 / 56 (without motor/with motor)								
sound level motor	LwA dB(A)	66								



Sound values without consideration of the motor  
Subject to technical changes!

