R O T O D Y N E V E N T I L A T O R E N

MED TRADING
Ventilatoren & Luchtbehandeling

FAN DATA SHEET

Fantype:	CV-400/1	*V-2008 03o*	1-0-1,4

Requested data		
flow	5000 m³/h	
static pressure	315 Pa	1,202 kg/m³

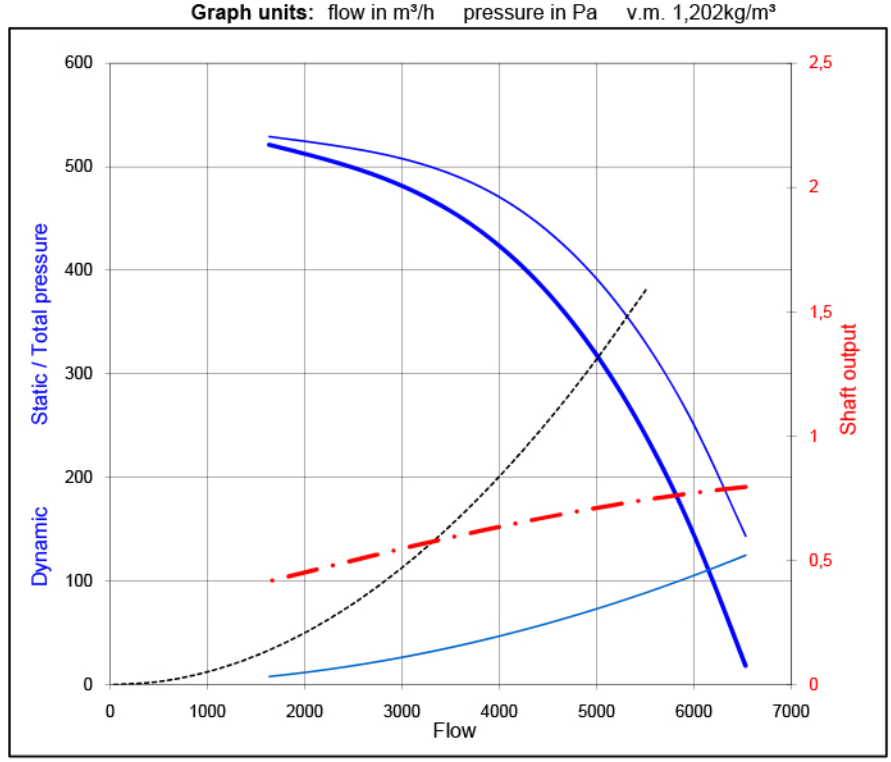
Operating data			
flow duty point			m³/h
pressure	static	315	Pa
	total	388	Pa
	dynamic	73,4	Pa
temperature medium		20	°C
specific mass		1,202	kg/m³
power duty point		0,71	kW
efficiency		76	%
velocity	outlet	11,1	m/s
	inlet	11,1	m/s
motor 4 pole	tipspeed	30	m/s

Dimensions			
impeller diam 400 mm	Inertia	0,13	kgm²
approx starting up time DOL		2	sec
type of blades 16x	backward		
material impeller St37	housing	Alu 226	
blade frequency		387	Hz
outlet	diameter	400	mm
inlet	diameter	400	mm

Electric data motor	
power 0,75 kW	4 poles
voltage 230V V	50 Hz
current, full load (In) 5,55 Amp	3,5 Is/In

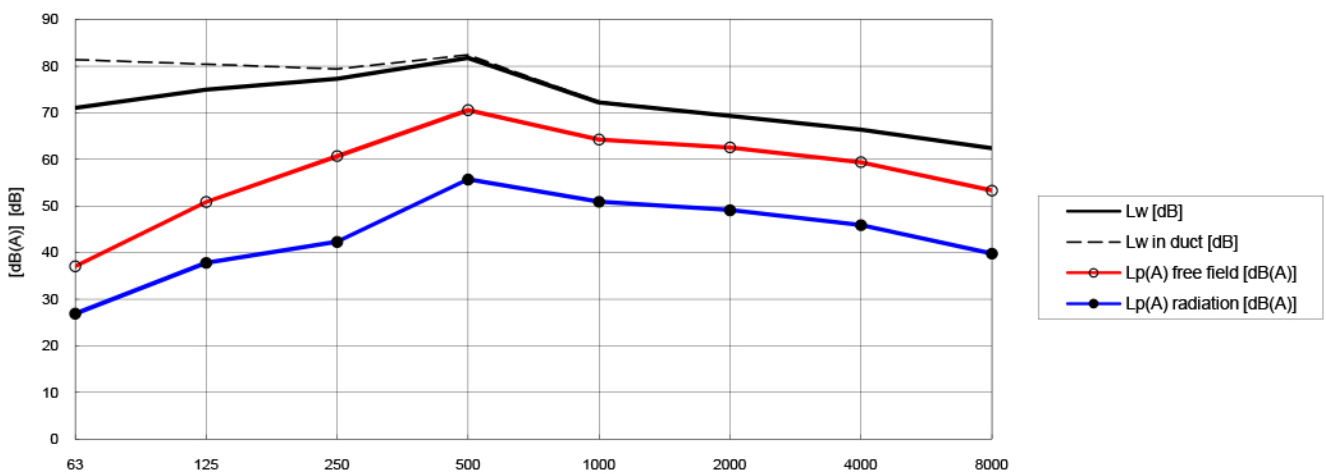
Client:	**offer:**
Project:	**order:**
Remarks:	

Graph units: flow in m³/h pressure in Pa v.m. 1,202kg/m³



Noise data

Amount	1	[-]	distance free field	1	[m]	Remarks					
Silencer	none		acoustic isolation		[mm]	no	+ reverberated	no	correction	no	



				63	125	250	500	1000	2000	4000	8000Hz
Sound power level PWL	Lw	***84,5***	[dB]	71	75	77	82	72	69	66	62
		80,6	[dB(A)]	45	59	69	79	72	71	67	61
Sound power level in duct PWL	Lw	***87,3***	[dB]	81	80	79	82	72	69	66	62
	Lw(A)	***81,3***	[dB(A)]	55	64	71	79	72	71	67	61
Sound pressure level free field SPL	Lp	***76,5***	[dB]	63	67	69	74	64	61	58	54
free in- or outlet	Lp(A)	***72,6***	[dB(A)]	37	51	61	71	64	63	59	53
Sound pressure level free field SPL	Lp	***62,0***	[dB]	53	54	51	59	51	48	45	41
radiation housing	Lp(A)	***58,1***	[dB(A)]	27	38	42	56	51	49	46	40

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