

FAN DATA SHEET

Fan type: **CV-200/500-P30RBK50**

ISO-13348

version : V19b fb

1/0/1,4 C3

Requested data		
flow	3000 m³/h	
static pressure	4000 Pa	1,202 kg/m³

Operating data			
flow duty point		3000 m³/h	
pressure	static	4467 Pa	
	total	5315 Pa	
	dynamic	849 Pa	
temperature medium		20 °C	
density		1,202 kg/m³	
power duty point		6,6 kW	
temperature rise	± 5°C	efficiency	68 %
medium velocity	inlet 26,5 m/s	outlet	36,3 m/s
rotation speed	3540 rpm	tip speed	93 m/s
outlet: Reynolds	4,2E+05	Mach	0,105
		Kp	0,99

Dimensions			
impeller diam	450 mm	Inertia	0,35 kgm²
time start approx	DOL 6,3	Y/D	sec
type of blades	12x radial curved	f = 708 Hz	
material: impeller	AISI304	casing	AISI304
total weight ±	180 kg	motor	included
connection outlet: width	135 mm	inlet: diameter	
	length 170 mm		200 mm

Electric data motor IE2		
power	5,5 kW	2 poles
voltage 3 phase	380 V	60Hz
current, full load (In)	Amp	Is/In

EU regulation 327/2011

ecodesign ErP 2015

overall efficiency η

58,8%

category

B total

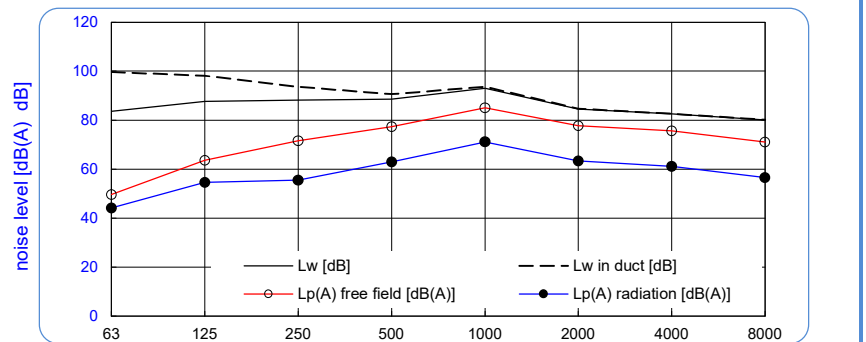
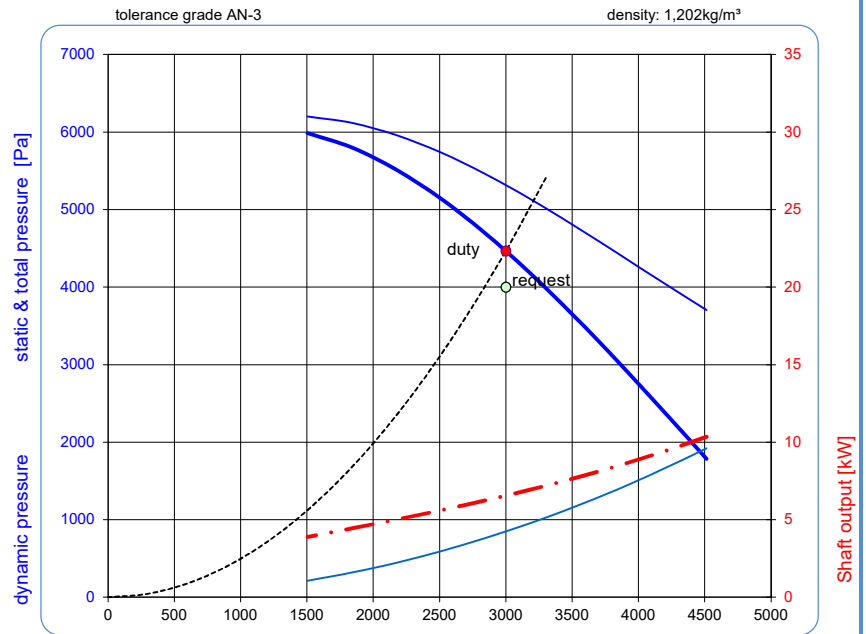
VSD not assumed

2022

Sound data			tolerance grade AN-3
amounts of fans		1	-
sound divided by directions		1	-
distance free field	hemisphere radius	1	m
directivity outlet		not applicable	
silencer in- or outlet		none	
remarks silencer			
acoustic insulation		none	mm
insulation cover with reverberation		no	
motor:	sound power level Lw	80,2 dB(A)	
distance 1m	sound pressure level Lp	70,0 dB(A)	
	radiation casing incl motor	+1,8 dB	
remarks			

Octave	63	125	250	500	1000	2000	4000	8000Hz
sound power level PWL	Lw	96,8						
	Lw(A)	95,0						
sound power level in duct PWL	Lw	103,5						
	Lw(A)	96,1						
sound pressure level free field SPL @1m	Lp	88,8						
free inlet	Lp(A)	87,0						
sound pressure level free field SPL @1m	Lp	76,5						
radiation casing (ex motor)	Lp(A)	72,9						

Customer:	Numafa Cleaning & Automation B.V.	offer:	120250067-020
Project:		order:	
Remarks:		article:	



user: H.Cagiran

21-1-2025

rotodyne asselbergs

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