

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-25_16



G&G filtration CZ, s.r.o.

A Hrubínova 1903/9, 66451 Šlapanice, CZ
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ITEM1

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Type and characteristics of the requested machine				performance on		Outlet		
Flow rate	15000 [m3/h]	Capacity (Normal)			13977 [Nm3/h]			
Total pressure	2500 [Pa]	Static pressure						
Working fluid temperature	20 [°C]	Fluid specific weight			1.204 [Kg/m3]			
Installation altitude	0 asl [m]	Specific weight std (20 [°C], 0 asl [m])			1.204 [Kg/m3]			
Suggested model and effective characteristics				performance on		Outlet		
Model	RH 500/2-II	Execution	E04	Installation Type	A (free inlet and outlet)			
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		2960	[rpm]	
Total pressure	2628	2628 [Pa]		Orientation		RD 0		
Static pressure	2316	2316 [Pa]		Sound power LwA		107.66	[dB(A)]	
Flow rate	15000	15000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		94.36	[dB(A)]	
Capacity (Normal)	13977	13977 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB			
Power dem. at shaft	13.877	13.877 [kW]		Fan efficiency	Outlet	78.91	%	
Motor power demand	13.877	13.877 [kW]						
Characteristics of chosen motor				Motor efficiency IEC 60034-30			PD ² impeller	
Code	160MB2-50/std3	shape	B3	Efficiency	91.9	92.1	91.2	2.6 kgm ²
Rated power	15.0 [kW]	n° poles	2	rpm	2960			2.6 kgm ²
				Load	100%	75%	50%	16.9 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes				
Efficiency grade	64		N	74.7	Total efficiency		75.01	%
Impeller type	backward blades	Type of test	B/total	Flow rate	12339 [m3/h]	Pressure	2921 [Pa]	
NOTE				Performance on Outlet RH 500/2-II - E04 - D=0.5[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.				
Rpm Limit	<=60 °C: 3150 Rpm							
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated								

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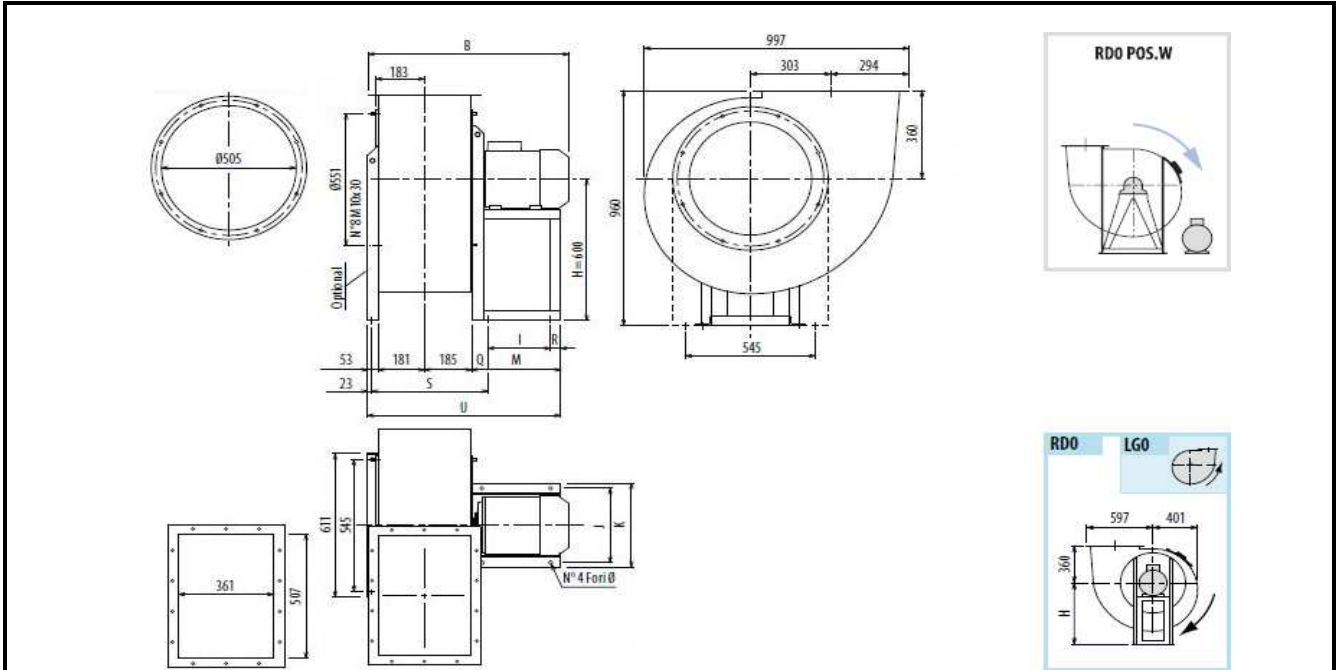
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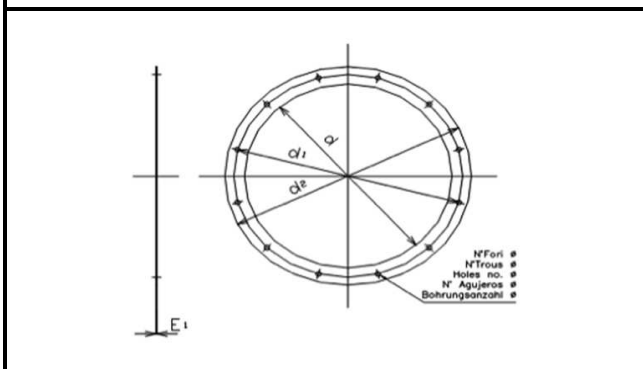
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

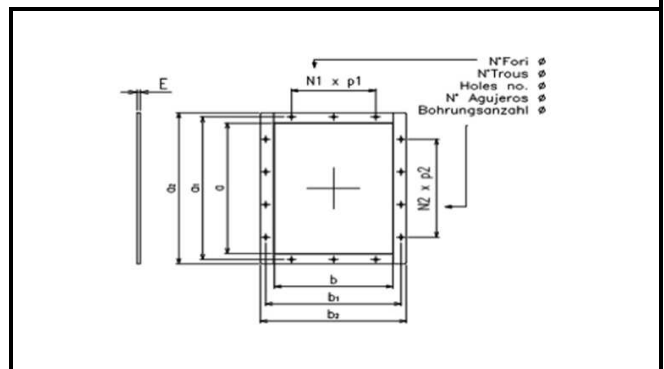
B	I	H	H1	H2	J	K	M	R	S	U	Φ	PD2
913	337	600	360	600	395	440	446	54	446	860	14	2,6
kg												
199												



Cod	dxn°	d1	d2	Φ	E1
0505 B	505x8	551	585	14	4

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Cod	axb	a1	b1	a2	b2
0507x0361	507x361	551	405	587	441

N1xp	N2xp	n°	Φ	E	
2x125	3x125	14	12	4	

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