

# TECHNICAL DATA SHEET

## RADIAL FAN nr. AFGG-35\_13



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	8500 [m3/h]	Capacity (Normal)				7920 [Nm3/h]							
Total pressure	3550 [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	<b>GF 500/2-A-I</b>	Execution	E04	Installation Type	<b>A (free inlet and outlet)</b>								
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		2960	[rpm]						
Total pressure	3385	3385 [Pa]		Orientation		RD 0							
Static pressure	3138	3138 [Pa]		Sound power LwA		102.33	[dB(A)]						
Flow rate	8500	8500 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		89.03	[dB(A)]						
Capacity (Normal)	7920	7920 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB								
Power dem. at shaft	9.634	9.634 [kW]		Fan efficiency	Outlet	82.97	%						
Motor power demand	9.634	9.634 [kW]											
Characteristics of chosen motor				Motor efficiency IEC 60034-30		IE3	PD <sup>2</sup> impeller	2.2	kgm <sup>2</sup>				
Code	<b>160MA2-50/std3</b>	shape	B3	Efficiency	91.2	91	89.5	PD <sup>2</sup> needed	2.21	kgm <sup>2</sup>			
Rated power	11.0 [kW]	n° poles	2	rpm	2955	Load	100%	75%	50%	PD <sup>2</sup> motor	14.4	kgm <sup>2</sup>	
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes									
Efficiency grade	<b>64</b>			N	77.6	Total efficiency		77.37	%				
Impeller type	backward blades	Type of test	B/total	Flow rate	7027.2 [m3/h]	Pressure		3574	[Pa]				
<b>NOTE</b>				Performance on Outlet GF 500/2-A-I - E04 - D=0.5[m] - ρ=1.204[kg/m <sup>3</sup> ] - T=20[°C] - 0[m]a.s.l.									
Rpm Limit	<=60 °C: 3400 Rpm												
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated													

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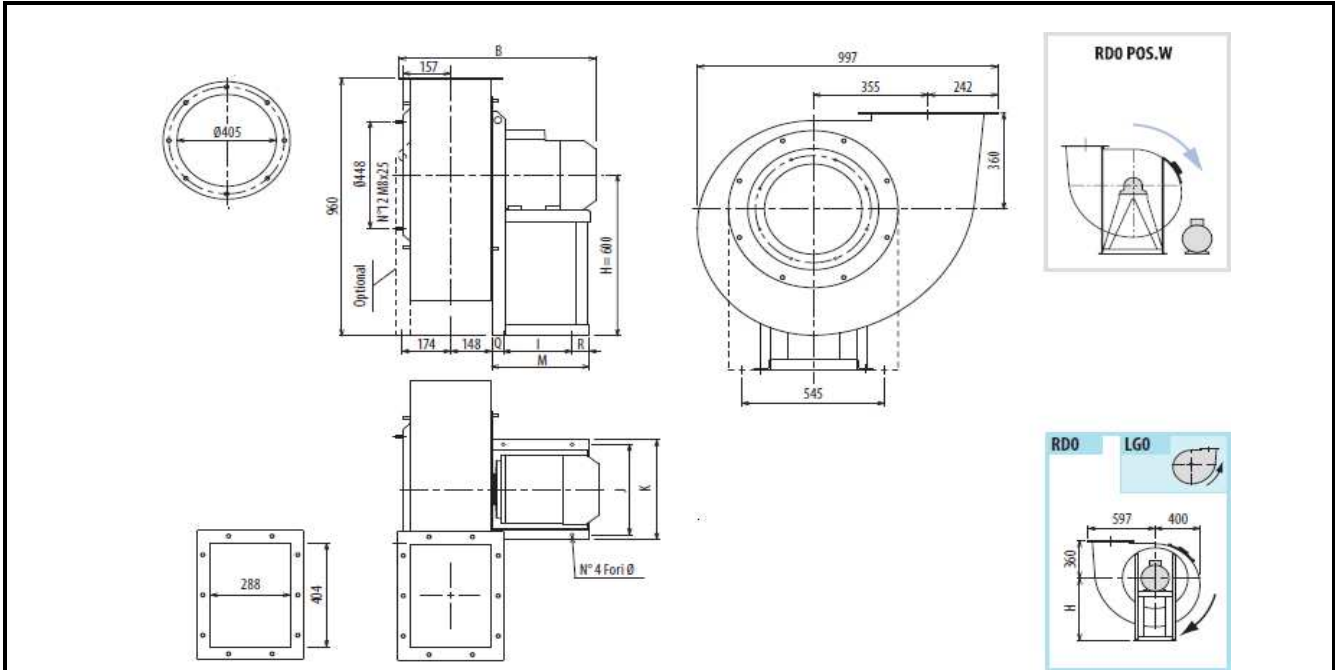
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### ITEM1

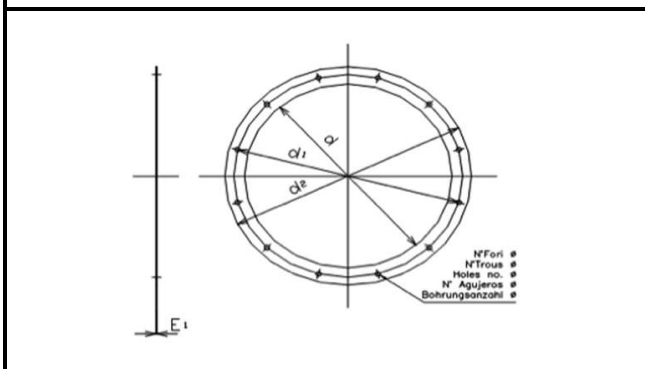
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

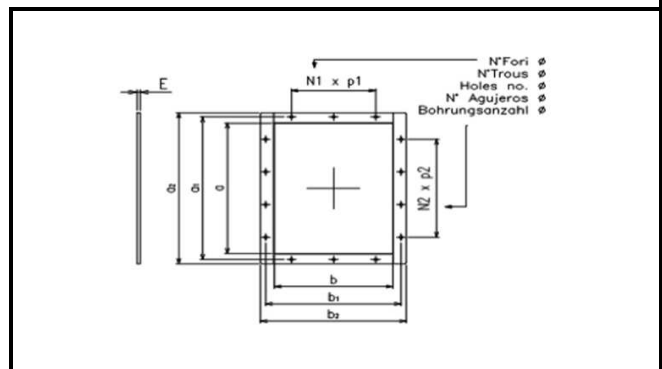
B	I	H	H1	H2	J	K	M	Q	R	Φ	PD2	kg
810	337	600	360	600	395	440	445	54	54	14	2,2	175



Cod	dxn°	d1	d2	Φ	E1
0405 A	405x12	448	485	12	4

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Cod	axb	a1	b1	a2	b2
0404x0288	404x288	448	332	484	368

N1xp	N2xp	n°	Φ	E
2x125	3x125	14	12	4

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