

# TECHNICAL DATA SHEET

## RADIAL FAN nr. AFGG-35\_10



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	6000 [m3/h]	Capacity (Normal)			5591 [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	RM 500R/2-I	Execution	E04	Installation Type	A (free inlet and outlet)							
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		2950	[rpm]					
Total pressure	3487	3487 [Pa]		Orientation		RD 0						
Static pressure	3363	3363 [Pa]		Sound power LwA		106.4	[dB(A)]					
Flow rate	6000	6000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		93.1	[dB(A)]					
Capacity (Normal)	5591	5591 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB							
Power dem. at shaft	8.231	8.231 [kW]		Fan efficiency	Outlet	70.61	%					
Motor power demand	8.231	8.231 [kW]										
Characteristics of chosen motor				Motor efficiency IEC 60034-30		IE3	PD <sup>2</sup> impeller	2.3	kgm <sup>2</sup>			
Code	160MA2-50/std3	shape	B3	Efficiency	91.2	91	89.5	PD <sup>2</sup> needed	2.29	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	64	N	65.3	Total efficiency	65.07			%				
Impeller type	backward blades	Type of test	B/total	Flow rate	6856 [m3/h]		Pressure	3085 [Pa]				
<b>NOTE</b>				Performance on Outlet RM 500R/2-I - E04 - D=0.48[m] - ρ=1.204[kg/m <sup>3</sup> ] - T=20[°C] - 0[m]a.s.l.								
Rpm Limit	<=60 °C: 3250 Rpm			H <sub>r</sub> , H <sub>st</sub> [Pa]	Available power 11 [kW]		N <sub>a</sub> [kW]	η <sub>r</sub> [%]	[dB(A)]			
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated												

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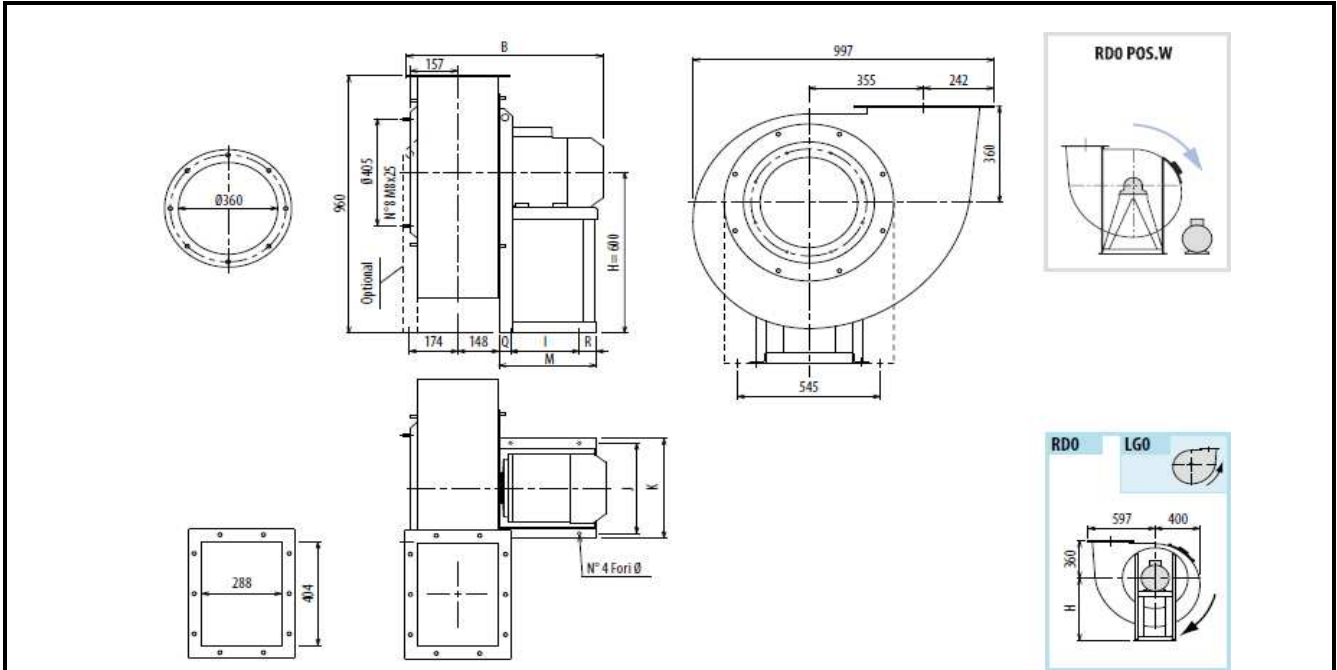
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### ITEM1

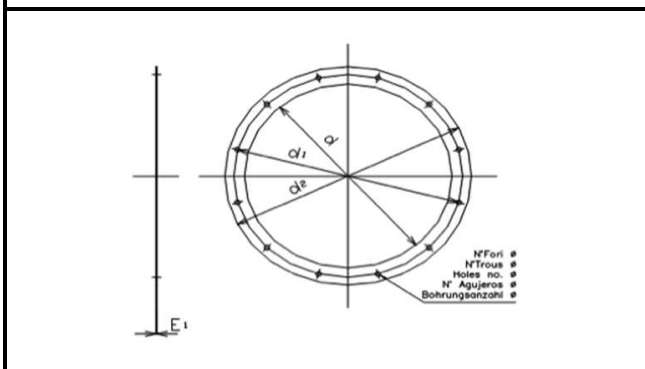
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

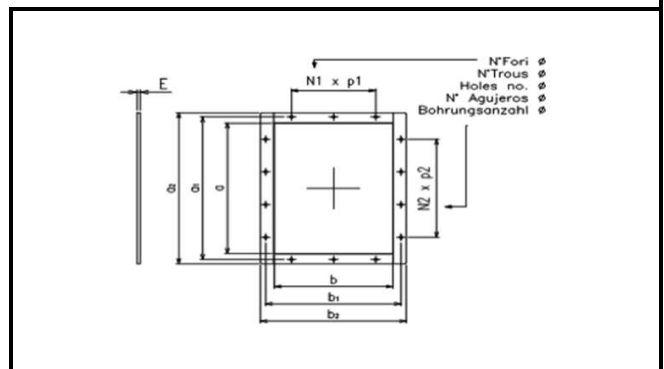
B	I	H	H1	H2	J	K	Q	R	M	Φ	PD2	kg
810	337	600	360	600	395	440	55	44	446	14	2,3	175



Cod	dxn°	d1	d2	Φ	E1
0360 A	360x8	405	440	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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