

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-35_11



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

A Hrubínova 1903/9, 66451 Šlapanice, CZ

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Type and characteristics of the requested machine				performance on		Outlet		
Flow rate	6500 [m3/h]	Capacity (Normal)				6057 [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 500/2-I	Execution	E04	Installation Type	A (free inlet and outlet)			
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		2940 [rpm]		
Total pressure	3814	3814 [Pa]		Orientation		RD 0		
Static pressure	3669	3669 [Pa]		Sound power LwA		107.29 [dB(A)]		
Flow rate	6500	6500 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		93.99 [dB(A)]		
Capacity (Normal)	6057	6057 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB			
Power dem. at shaft	9.807	9.807 [kW]		Fan efficiency	Outlet	70.21	%	
Motor power demand	9.807	9.807 [kW]						
Characteristics of chosen motor				Motor efficiency IEC 60034-30		IE3	PD ² impeller	2.6 kgm ²
Code	160MB2-50/std3	shape	B3	Efficiency	91.9 92.1 91.2		PD ² needed	2.56 kgm ²
Rated power	15.0 [kW]	n° poles	2 rpm 2960	Load	100% 75% 50%		PD ² motor	16.9 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes				
Efficiency grade	64	N	65.7	Total efficiency	65.8 %			
Impeller type	backward blades	Type of test	B/total	Flow rate	7718.4 [m3/h]	Pressure	3296 [Pa]	
NOTE				Performance on Outlet RM 500/2-I - 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			H _r , H _{st} [Pa]	Na [kW]			η _r [%] [dB(A)]
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated								

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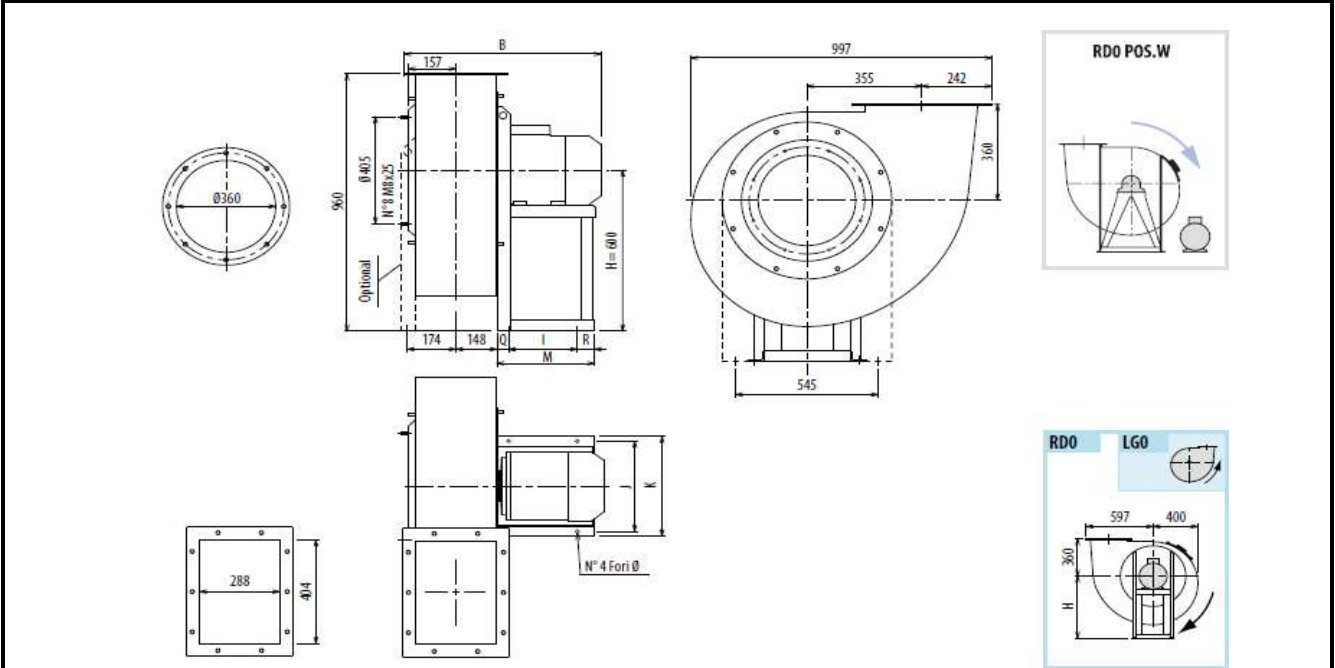
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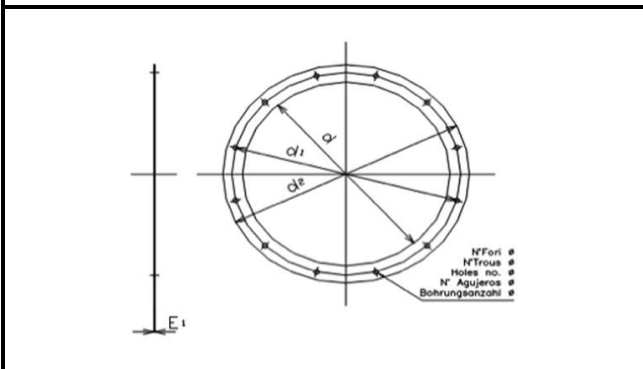
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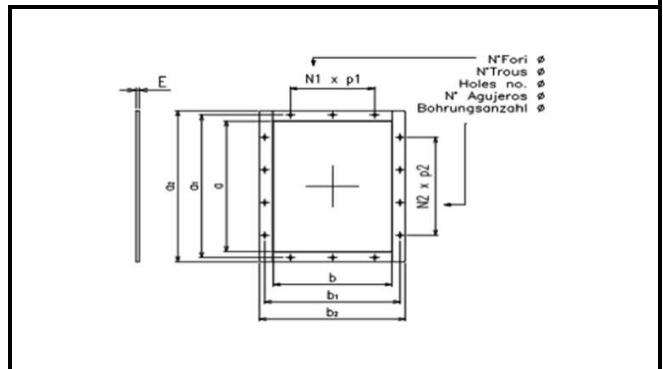
Indicative measures in the standard configuration. For detailed information contact your reference.

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	2,6	180



Cod	dxn°	d1	d2	Φ	E1
0360 A	360x8	405	440	12	4



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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