

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-25_12



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	7500 [m3/h]	Capacity (Normal)				6988 [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	GF 450/2-A-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	2343	2343 [Pa]		Orientation		RD 0						
Static pressure	2037	2037 [Pa]		Sound power LwA		102.47	[dB(A)]					
Flow rate	7500	7500 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		89.17	[dB(A)]					
Capacity (Normal)	6988	6988 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB							
Power dem. at shaft	6.168	6.168 [kW]		Fan efficiency	Outlet	79.14	%					
Motor power demand	6.168	6.168 [kW]										
Characteristics of chosen motor				Motor efficiency IEC 60034-30			IE3					
Code	132SB2-50/std3	shape	B3	Efficiency	90.1	91	91	PD ² impeller	1.2	kgm ²		
Rated power	7.5 [kW]	n° poles	2	rpm	2950	Load	100%	75%	50%	PD ² needed	1.19	kgm ²
										PD ² motor	9	kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes								
Efficiency grade	64			N	79.5	Total efficiency					76.94	%
Impeller type	backward blades	Type of test	B/total	Flow rate	5351.91 [m3/h]	Pressure					2783	[Pa]
NOTE	Performance on Outlet GF 450/2-A-I - E04 - D=0.45[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.											
Rpm Limit	<=60 °C: 3600 Rpm											
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated												

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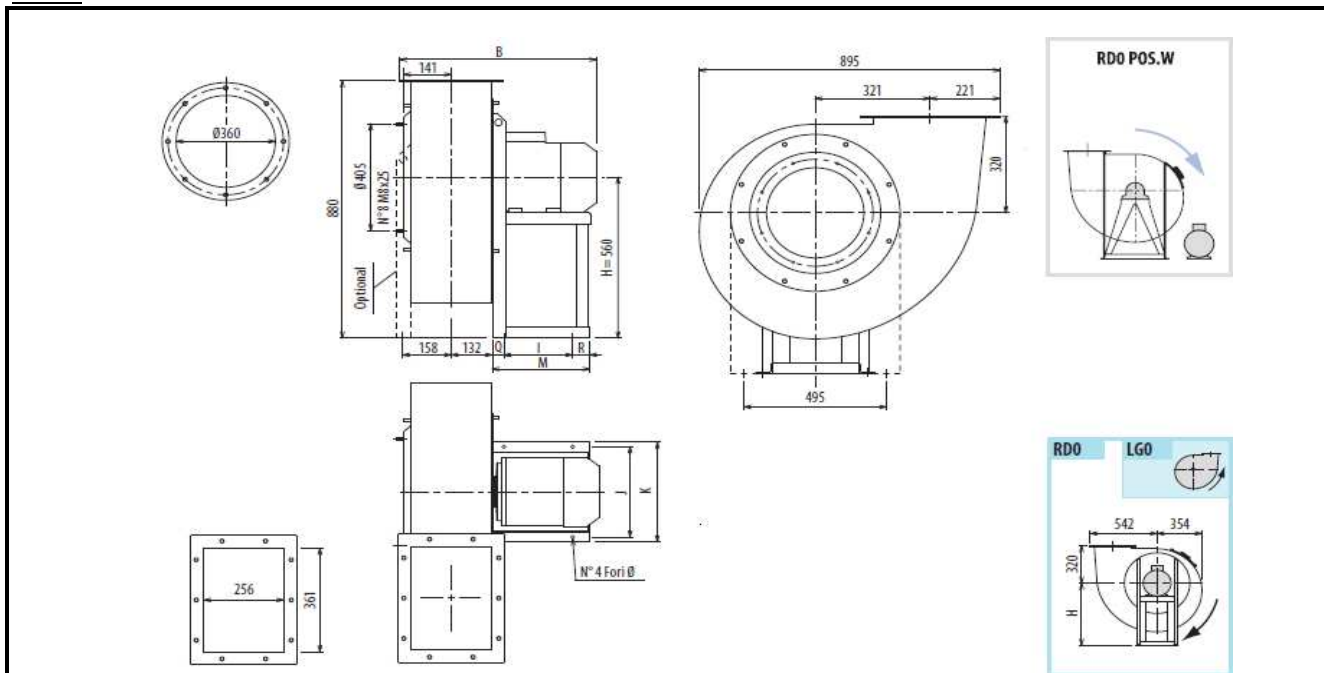
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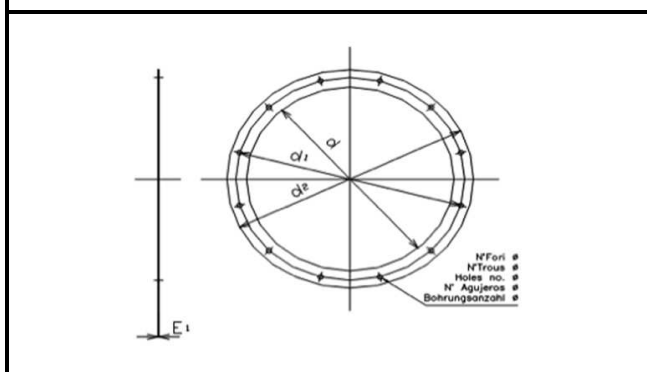
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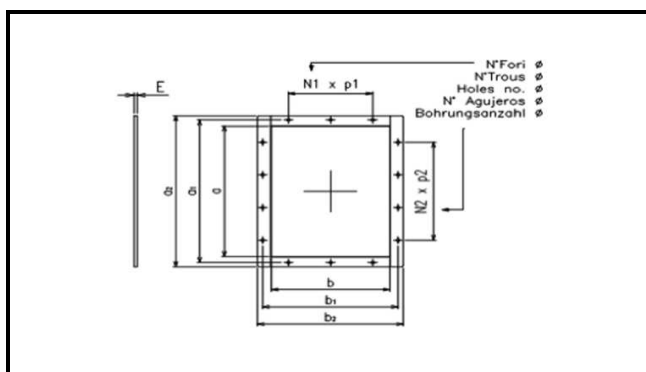
Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

B	I	H	H1	H2	J	K	M	Q	R	Φ	PD2	kg
673	237	560	320	560	337	372	345	44	64	12	1,2	107



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



Cod	axb	a1	b1	a2	b2
0361x0256	361x256	405	300	441	336

N1xp	N2xp	n°	Φ	E
1x125	2x125	10	12	4