

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-35_06



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

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ITEM1

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Type and characteristics of the requested machine				performance on		Outlet		
Flow rate	3000 [m3/h]	Capacity (Normal)				2795 [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	GF 450/2-B-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	3324	3324 [Pa]		Orientation		RD 0		
Static pressure	3275	3275 [Pa]		Sound power LwA		99.04	[dB(A)]	
Flow rate	3000	3000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		85.74	[dB(A)]	
Capacity (Normal)	2795	2795 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB			
Power dem. at shaft	3.582	3.582 [kW]		Fan efficiency	Outlet	77.33	%	
Motor power demand	3.582	3.582 [kW]						
Characteristics of chosen motor				Motor efficiency IEC 60034-30			PD ² impeller	
Code	132SA2-50/std3	shape	B3	Efficiency	89.2	90	89.7	1.2 kgm ²
Rated power	5.5 [kW]	n° poles	2	rpm	2950	Load	100%	75%
							50%	PD ² needed 1.19 kgm ²
								PD ² motor 6.9 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes				
Efficiency grade	64			N	78.6	Total efficiency		76.09 %
Impeller type	backward blades	Type of test	B/total	Flow rate	5351.76 [m3/h]	Pressure		2783 [Pa]
NOTE	Performance on Outlet GF 450/2-B-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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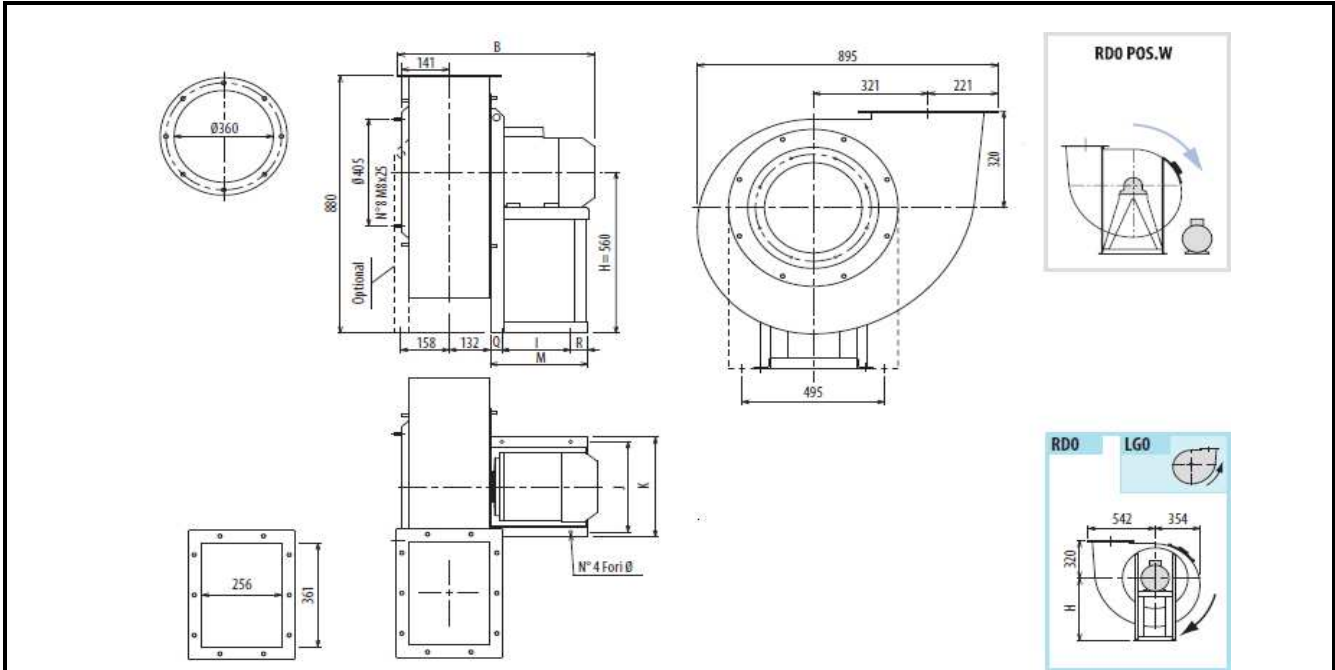
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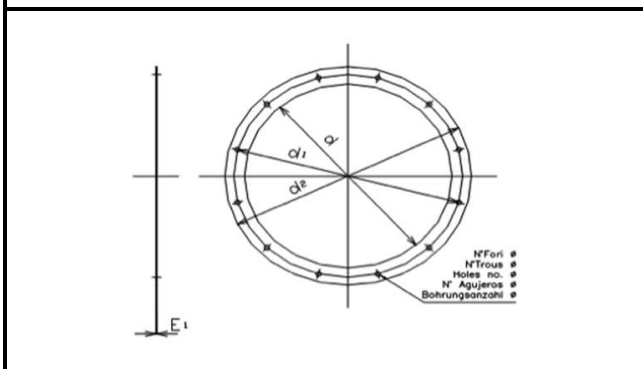
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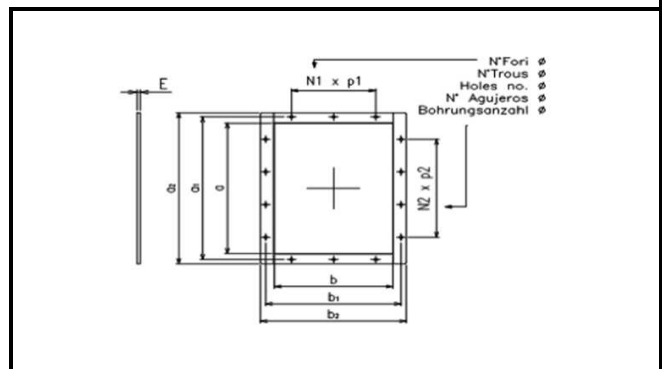
Indicative measures in the standard configuration. For detailed information contact your reference.

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	115



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