

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-25_08



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	4700 [m3/h]	Capacity (Normal)		4379 [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 450R/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	2676	2676 [Pa]		Orientation				RD 0	
Static pressure	2556	2556 [Pa]		Sound power LwA				96.38 [dB(A)]	
Flow rate	4700	4700 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field				83.08 [dB(A)]	
Capacity (Normal)	4379	4379 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB				
Power dem. at shaft	4.117	4.117 [kW]		Fan efficiency		Outlet		84.87 %	
Motor power demand	4.117	4.117 [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	PD ² needed	0.1 kgm ²
Rated power	5.5 [kW]	n° poles	2	rpm	2950	Load	100%	75%	50%
								PD ² motor	6.9 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes					
Efficiency grade	64			N	79.9	Total efficiency	76.34 %		
Impeller type	backward blades	Type of test	B/total	Flow rate	4694.4 [m3/h]	Pressure	2558 [Pa]		
NOTE	Performance on Outlet GF 450R/2-I - E04 - D=0.43[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.								
Rpm Limit	<=60 °C: 3750 Rpm								
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated									

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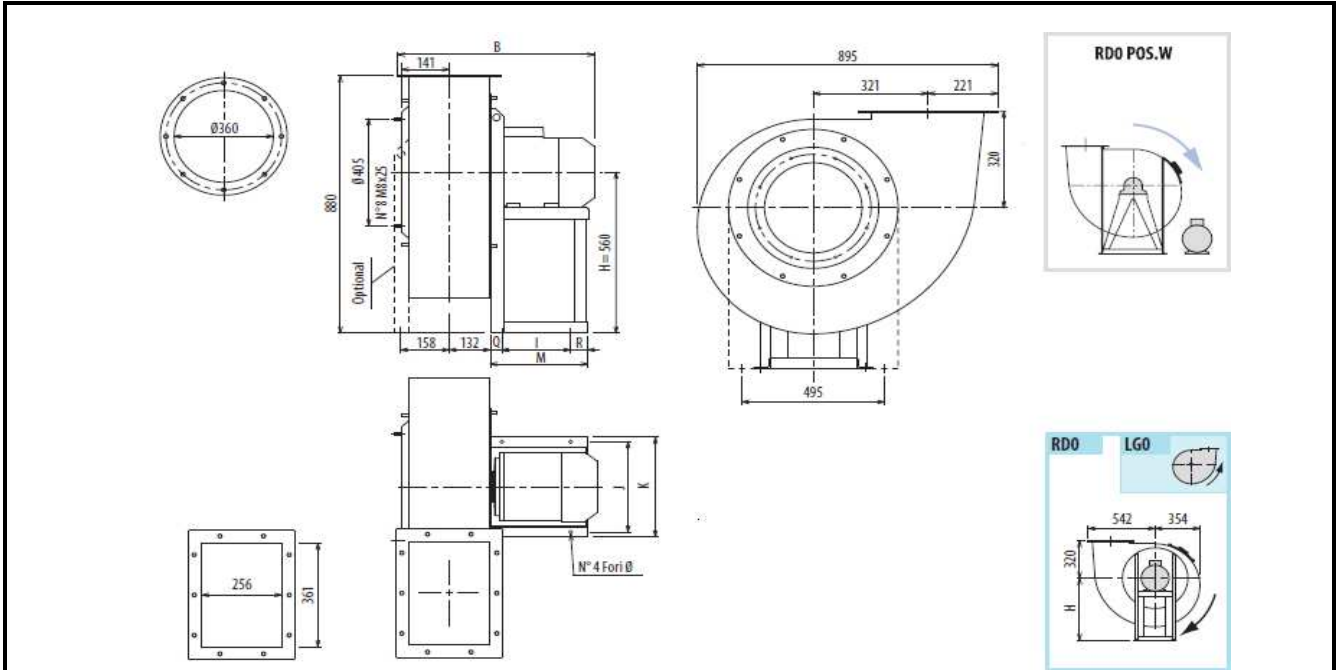
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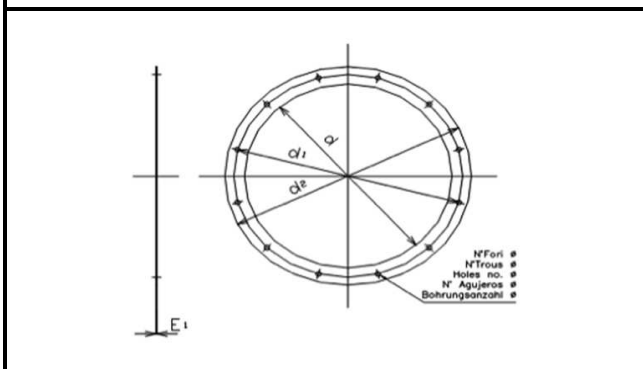
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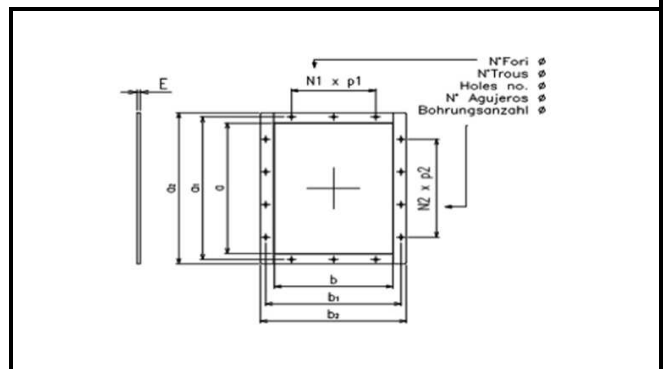
Indicative measures in the standard configuration. For detailed information contact your reference.

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	106



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