

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-25_05



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

A Hrubínova 1903/9, 66451 Šlapanice, CZ
 IČ 05226953 IČ DPH CZ05226953
 E info@ggf.cz W www.ggf.cz

ITEM1

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Type and characteristics of the requested machine				performance on		Outlet		
Flow rate	2400 [m3/h]	Capacity (Normal)			2236 [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	RM 400R/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	2619	2619 [Pa]		Orientation		RD 0		
Static pressure	2570	2570 [Pa]		Sound power LwA		97.03	[dB(A)]	
Flow rate	2400	2400 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		83.73	[dB(A)]	
Capacity (Normal)	2236	2236 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB			
Power dem. at shaft	2.259	2.259 [kW]		Fan efficiency	Outlet	77.29	%	
Motor power demand	2.259	2.259 [kW]						
Characteristics of chosen motor				Motor efficiency IEC 60034-30			PD ² impeller	
Code	100L02-50/std3	shape	B3	Efficiency	87.1	88	87.5	0.7 kgm ²
Rated power	3.0 [kW]	n° poles	2	rpm	2920			PD ² needed 0.71 kgm ²
				Load	100%	75%	50%	PD ² motor 2.5 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes				
Efficiency grade	64			N	74.7	Total efficiency	69.25	%
Impeller type	backward blades	Type of test	B/total	Flow rate	3172.5 [m3/h]	Pressure	2297 [Pa]	
NOTE				Performance on Outlet RM 400R/2-I - E04 - D=0.39[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.				
Rpm Limit	<=60 °C: 3950 Rpm			H _r , H _{st} [Pa]	L _w , A _{eq} [dB(A)]		η _T [%]	
				Available power 3 [kW]				
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated								

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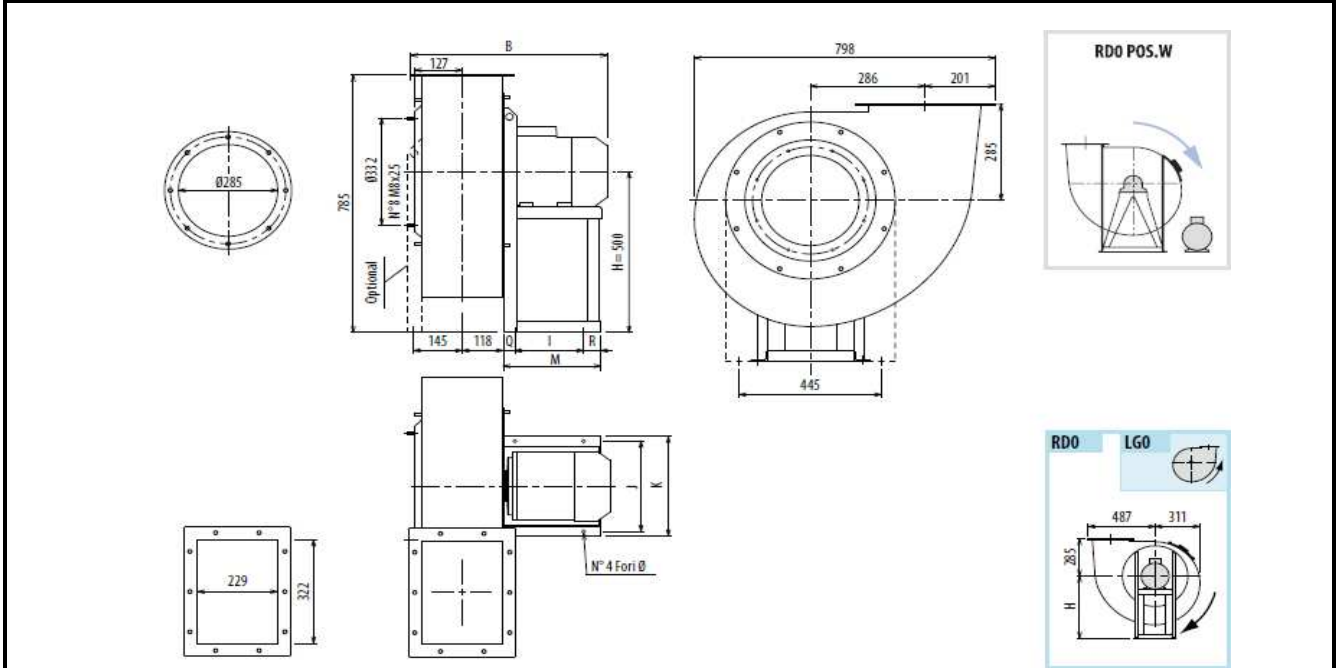
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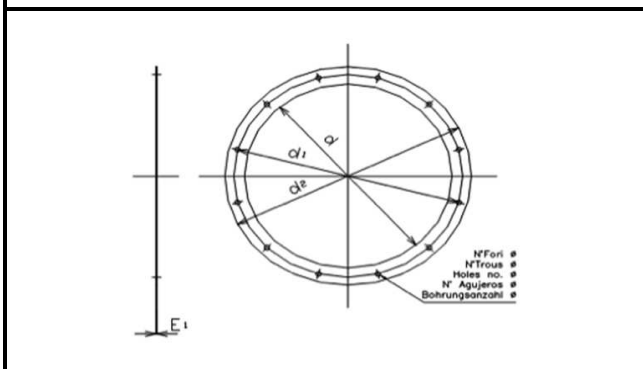
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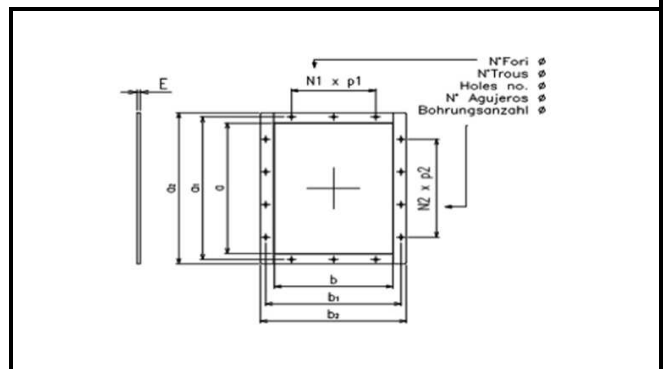
Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

B	I	H	H1	H2	J	K	Q	R	M	Φ	PD2	kg
585	197	500	285	500	289	324	34	52	283	12	0,7	85



Cod	dxn°	d1	d2	Φ	E1
0285 A	285x8	332	365	12	4



Cod	axb	a1	b1	a2	b2
0322x0229	322x229	366	273	402	309

N1xp	N2xp	n°	Φ	E
1x125	2x125	10	12	4

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