

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-40_07



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

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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	4000 [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	VM 500/2-I	Execution	E04	Installation Type	A (free inlet and outlet)			
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		2925 [rpm]		
Total pressure	3965	3965 [Pa]		Orientation		RD 0		
Static pressure	3520	3520 [Pa]		Sound power LwA		101.16 [dB(A)]		
Flow rate	3000	3000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		87.86 [dB(A)]		
Capacity (Normal)	2795	2795 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB			
Power dem. at shaft	4.47	4.47 [kW]		Fan efficiency	Outlet	73.92	%	
Motor power demand	4.47	4.47 [kW]						
Characteristics of chosen motor				Motor efficiency IEC 60034-30		IE3	PD ² impeller	1.6 kgm ²
Code	132SA2-50/std3	shape	B3	Efficiency	89.2 90 89.7		PD ² needed	1.57 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 69.7	Total efficiency		66.49	%	
Impeller type	backward blades	Type of test	B/total	Flow rate	2978.72 [m3/h]	Pressure	3540 [Pa]	
NOTE				Performance on Outlet VM 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: 4500 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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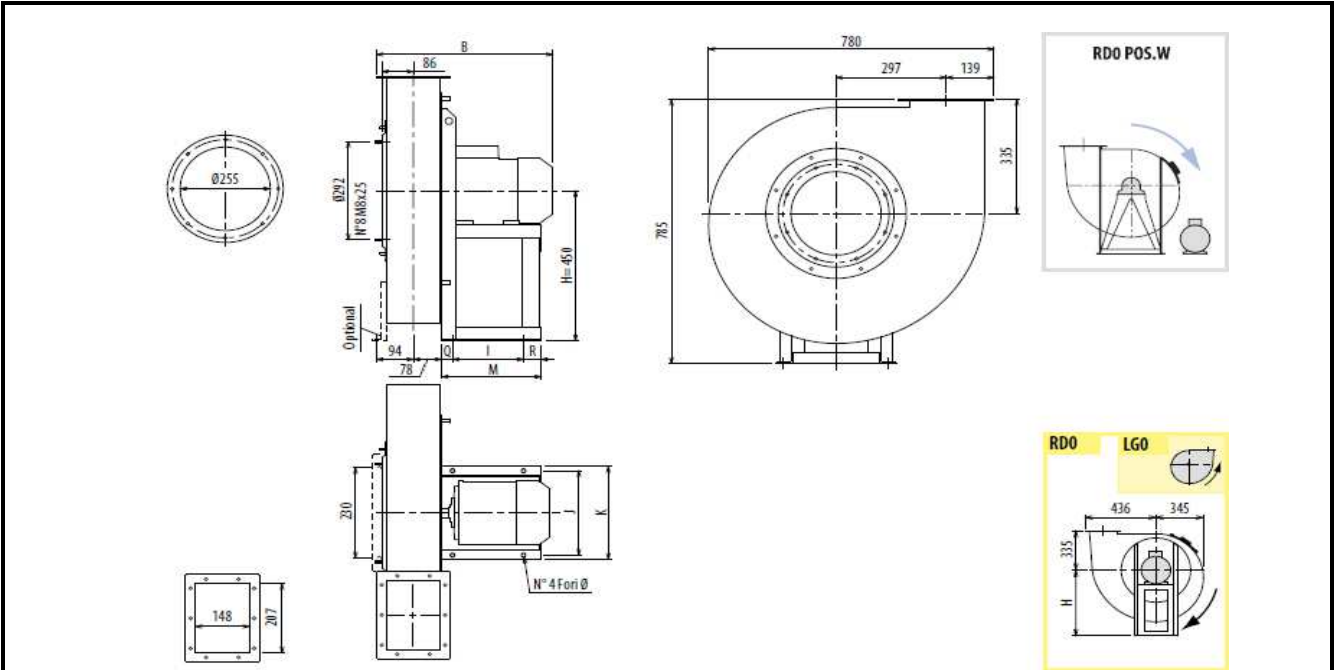
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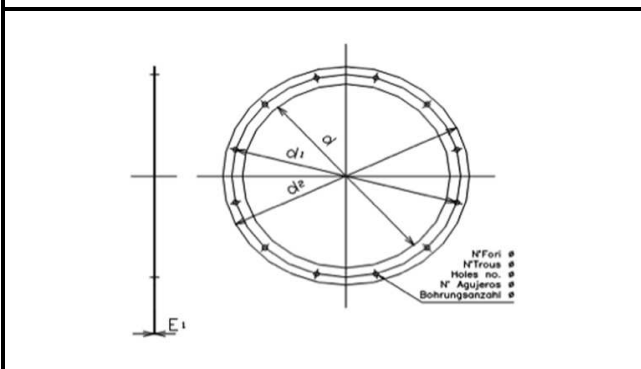
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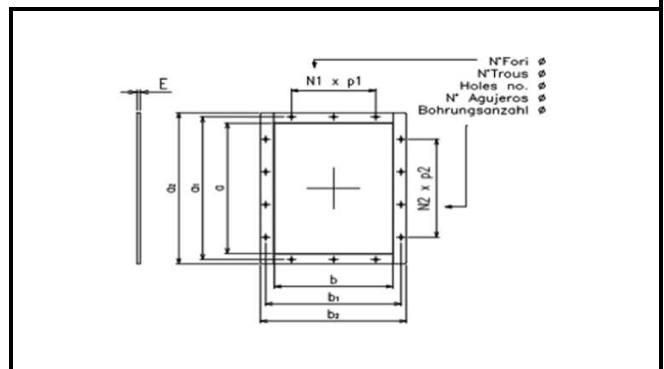
Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

B	I	H	H1	H2	J	K	M	Q	R	Φ	PD2	kg
560	237	450	335	450	337	372	345	44	64	12	1,6	107



Cod	dxn°	d1	d2	Φ	E1
0255 A	255x8	292	325	10	4



Cod	axb	a1	b1	a2	b2
0207x0148	207x148	241	182	277	218

N1xp	N2xp	n°	Φ	E
1x112	1x112	8	12	4