

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-40_27



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	90000 [m3/h]	Capacity (Normal)				83860 [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	GF 1600/6-I	Execution	E04	Installation Type	A (free inlet and outlet)		
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		985 [rpm]	
Total pressure	4081	4081 [Pa]		Orientation		RD 0	
Static pressure	3790	3790 [Pa]		Sound power LwA		106.73 [dB(A)]	
Flow rate	90000	90000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		93.43 [dB(A)]	
Capacity (Normal)	83860	83860 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB		
Power dem. at shaft	114.624	114.624 [kW]		Fan efficiency	Outlet	89.01 %	
Motor power demand	114.624	114.624 [kW]					
Characteristics of chosen motor				Motor efficiency IEC 60034-30		IE3	PD ² impeller
Code	315L76-50/std3P	shape	B3	Efficiency	95.4 95.9 95.8		680.0 kgm ²
Rated power	132.0 [kW]	n° poles	6 rpm 991	Load	100% 75% 50%		PD ² needed 671.79 kgm ²
							PD ² motor 765 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes			
Efficiency grade	64		N 83.1	Total efficiency		85.85 %	
Impeller type	backward blades	Type of test	B/total	Flow rate	99962.5 [m3/h]	Pressure	3502 [Pa]
NOTE				Performance on Outlet GF 1600/6-I - E04 - D=1.6[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.			
Rpm Limit	<=60 °C: 1100 Rpm						
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated							

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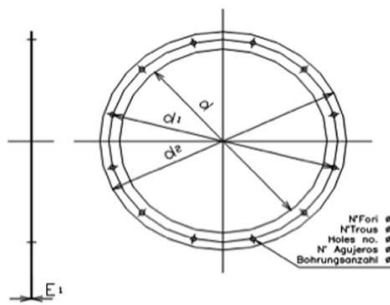
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

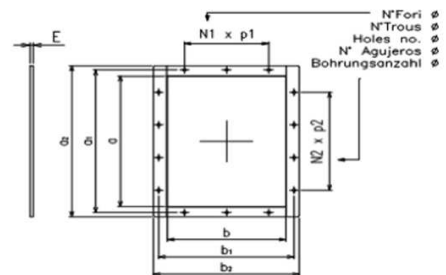
B	I	H	H1	H2	H3	H4	M	S	U	PD2	kg
1963	645	1500	1120	1900	1250	1600	800	1073	1731	680	1731



Cod	dxn°	d1	d2	Φ	E1
1260 A	1260x24	1337	1380	17	6

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Cod	axb	a1	b1	a2	b2
1267x0898	1267x898	1347	978	1407	1038

N1xp	N2xp	n°	Φ	E
4x200	6x200	24	18	8

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