

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-40_24



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

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Type and characteristics of the requested machine				performance on		Outlet	
Flow rate	50000 [m3/h]	Capacity (Normal)			46589 [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 1120/4-I	Execution	E04	Installation Type	A (free inlet and outlet)		
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		1480	[rpm]
Total pressure	4337	4337 [Pa]		Orientation		RD 0	
Static pressure	3983	3983 [Pa]		Sound power LwA		106.03	[dB(A)]
Flow rate	50000	50000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		92.73	[dB(A)]
Capacity (Normal)	46589	46589 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB		
Power dem. at shaft	67.715	67.715 [kW]		Fan efficiency	Outlet	88.96	%
Motor power demand	67.715	67.715 [kW]					
Characteristics of chosen motor				Motor efficiency IEC 60034-30		PD ² impeller	
Code	280S04-50/std3P	shape	B3	Efficiency	95	95.3	95
Rated power	75.0 [kW]	n° poles	4	rpm	1485		
				Load	100%	75%	50%
						PD ² needed	148.99 kgm ²
						PD ² motor	270 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes			
Efficiency grade	64	N	82.7	Total efficiency	84.79 %		
Impeller type	backward blades	Type of test	B/total	Flow rate	51717.98 [m3/h]	Pressure	3872 [Pa]
NOTE	Performance on Outlet GF 1120/4-I - E04 - D=1.12[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.						
Rpm Limit	<=60 °C: 1700 Rpm						
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated							

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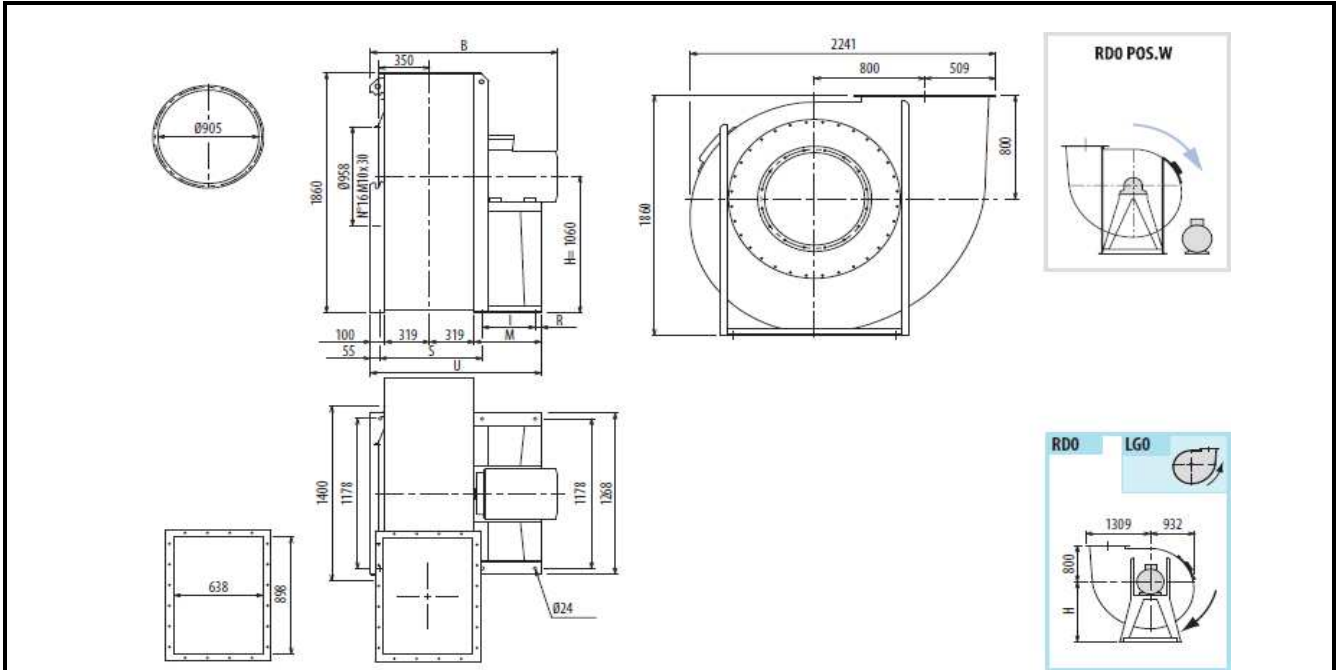
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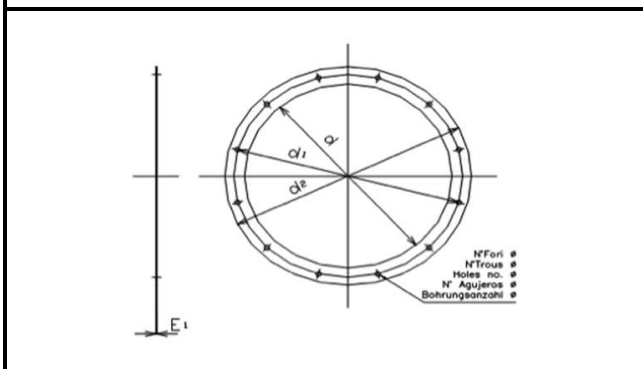
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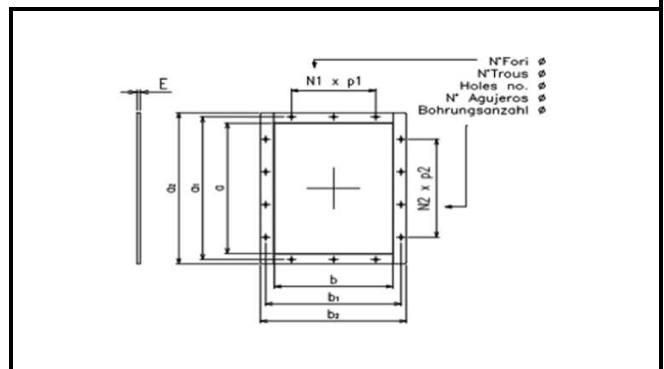
Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

B	I	H	H1	H2	M	R	S	U	PD2	kg		
1558	565	1060	800	1320	690	45	763	1428	150	1390		



Cod	dxn°	d1	d2	Φ	E1
0905 A	905x16	958	1005	14	6



Cod	axb	a1	b1	a2	b2
0898x0638	898x638	968	708	1018	758

N1xp	N2xp	n°	Φ	E	
3x200	4x200	18	14	8	

