TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-40_20

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	24000	[m3/h]	Capacity (Normal)	22363	[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]

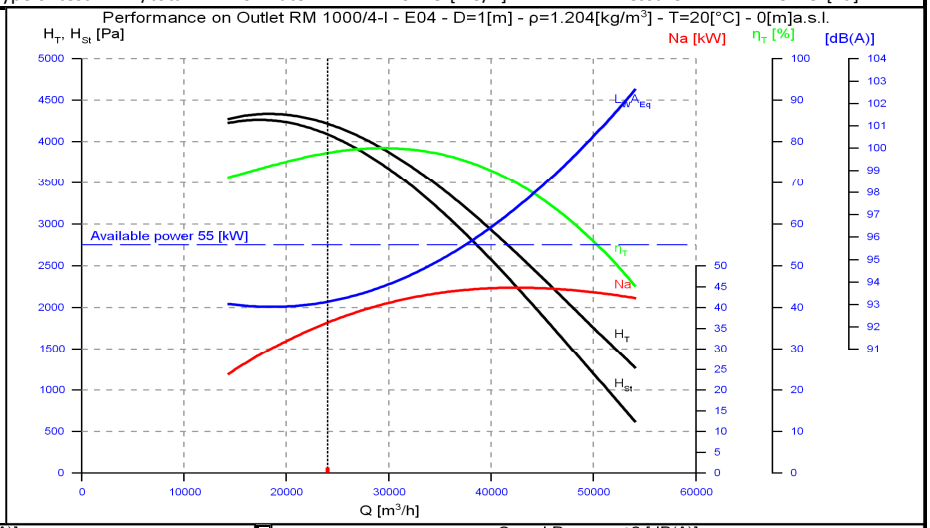
Suggested model and effective characteristics				**performance on**	**Outlet**	
Model	**RM 1000/4-I**	Execution	E04	Installation Type	**A (free inlet and outlet)**	
Fluid specific weight	1.204	1.204	[Kg/m3]	Revolution fan speed	1475	[rpm]
Total pressure	4216	4216	[Pa]	Orientation	RD 0	
Static pressure	4087	4087	[Pa]	Sound power LwA	108.47	[dB(A)]
Flow rate	24000	24000	[m3/h]	Sound pressure at mt.1.5 1/2 sf in open field	95.17	[dB(A)]
Capacity (Normal)	22363	22363	[Nm3/h]	Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB	
Power dem. at shaft	36.385	36.385	[kW]	Fan efficiency	Outlet	77.24 %
Motor power demand	36.385	36.385	[kW]			

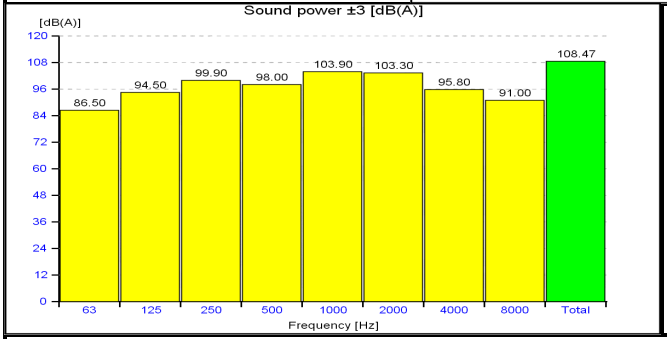
Characteristics of chosen motor						**Motor efficiency IEC 60034-30**		**IE3**	**PD² impeller**	53.0	kgm²
Code	**250M04-50/std3P**		shape	B3		Efficiency	94.6	95.1	95	**PD² needed**	52.5	kgm²
Rated power	55.0	[kW]	n° poles	4	rpm 1482	Load	100%	75%	50%	**PD² motor**	225	kgm²

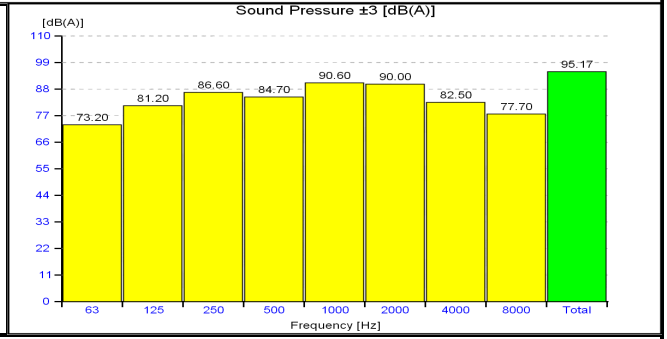
ErP 2009/125/CE	**Regulament (UE) N. 327/2011**		**Notes**					
Efficiency grade	**64**		N	73	Total efficiency		74.54	%
Impeller type	backward blades	Type of test	B/total	Flow rate	29448 [m3/h]	Pressure	3715	[Pa]

NOTE

Rpm Limit <=60 °C: 1500 Rpm







values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated

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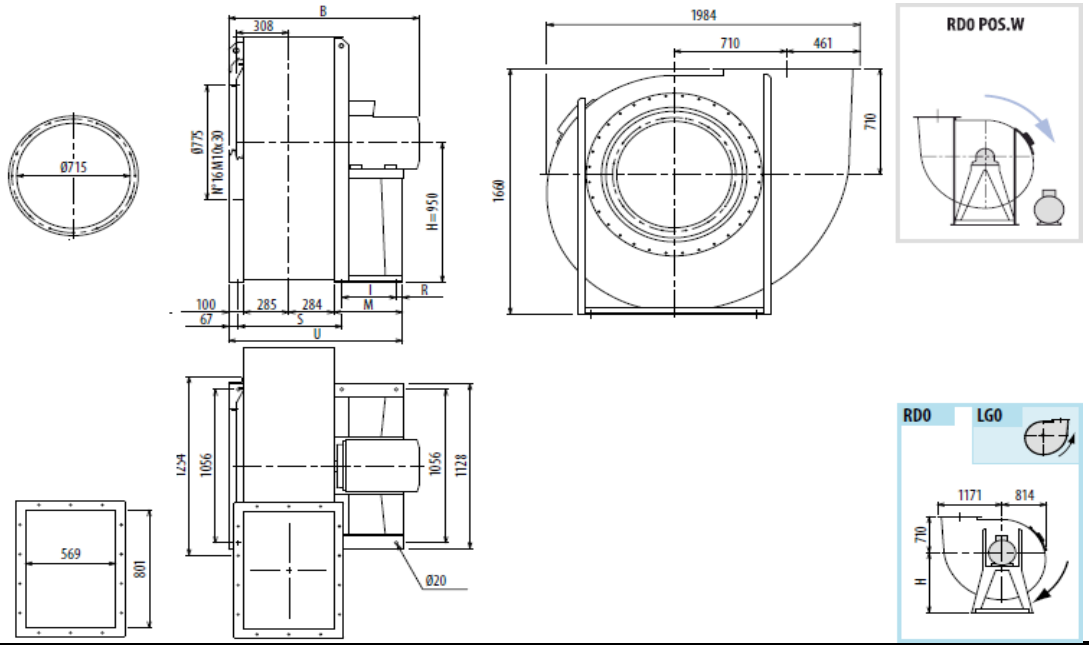
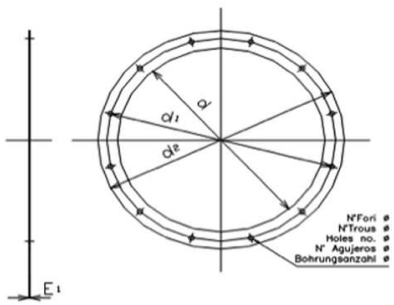


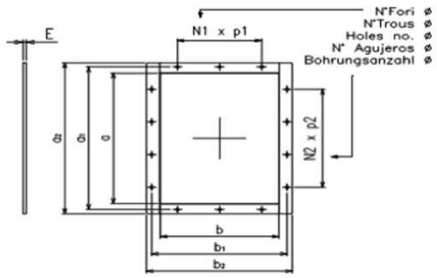
Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

B	I	H	H1	H2	R	S	M	U	PD2	kg		
1486	500	950	710	1180	45	657	600	1269	53	1081		



Cod	dxn°	d1	d2	Φ	E1
0715 A	715x16	775	815	14	5



Cod	axb	a1	b1	a2	b2
0801x0569	801x569	871	639	921	689

N1xp	N2xp	n°	Φ	E	
2x200	3x200	14	14	6	