

# TECHNICAL DATA SHEET

## RADIAL FAN nr. AFGG-35\_21



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

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**ITEM1**

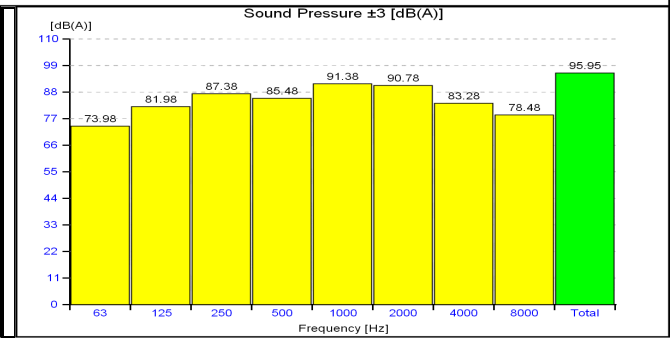
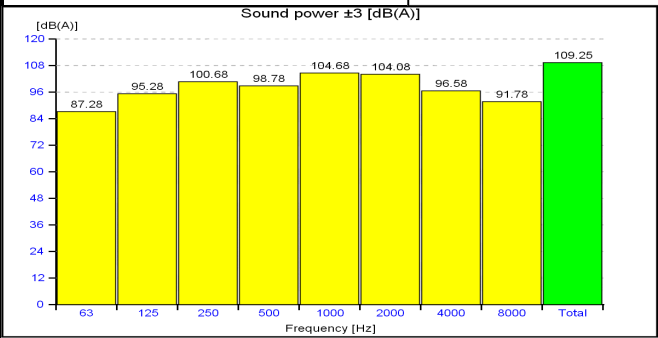
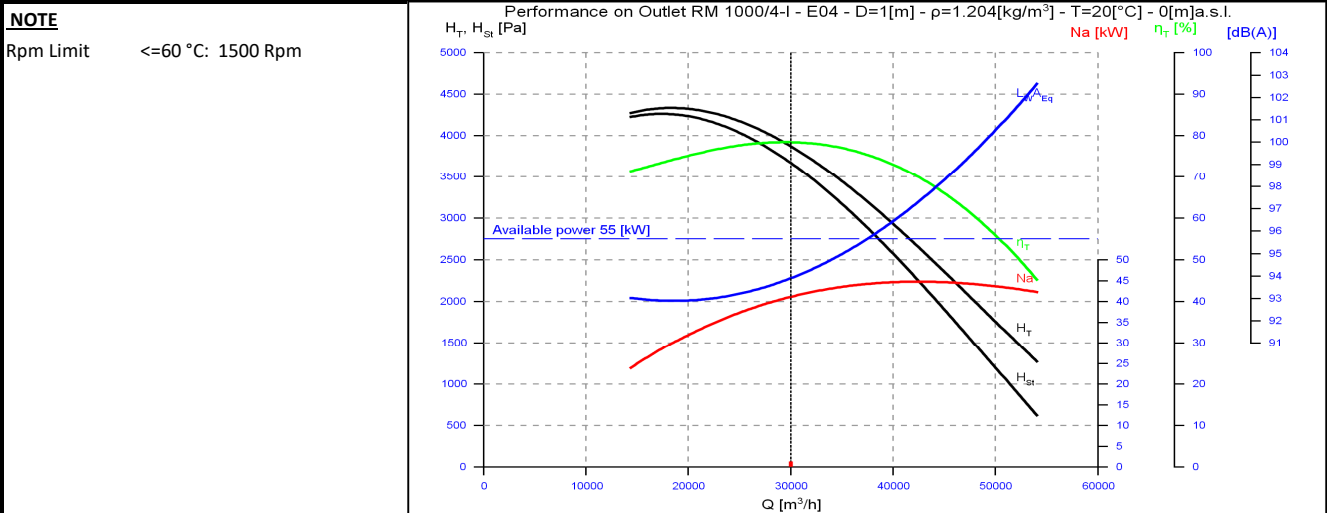
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Type and characteristics of the requested machine		performance on		Outlet
Flow rate	30000 [m3/h]	Capacity (Normal)		27953 [Nm3/h]
Total pressure	3550 [Pa]	Static pressure		
Working fluid temperature	20 [°C]	Fluid specific weight		1.204 [Kg/m3]
Installation 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	3869	3869 [Pa]		Orientation		RD 0
Static pressure	3668	3668 [Pa]		Sound power LwA		109.25 [dB(A)]
Flow rate	30000	30000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		95.95 [dB(A)]
Capacity (Normal)	27953	27953 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB	
Power dem. at shaft	41.124	41.124 [kW]		Fan efficiency	Outlet	78.4 %
Motor power demand	41.124	41.124 [kW]				

Characteristics of chosen motor				Motor efficiency IEC 60034-30			IE3	PD <sup>2</sup> impeller	53.0	kgm <sup>2</sup>
Code	250M04-50/std3P	shape	B3	Efficiency	94.6	95.1	95	PD <sup>2</sup> needed	52.5	kgm <sup>2</sup>
Rated power	55.0 [kW]	n° poles	4	rpm	1482			PD <sup>2</sup> motor	225	kgm <sup>2</sup>

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



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

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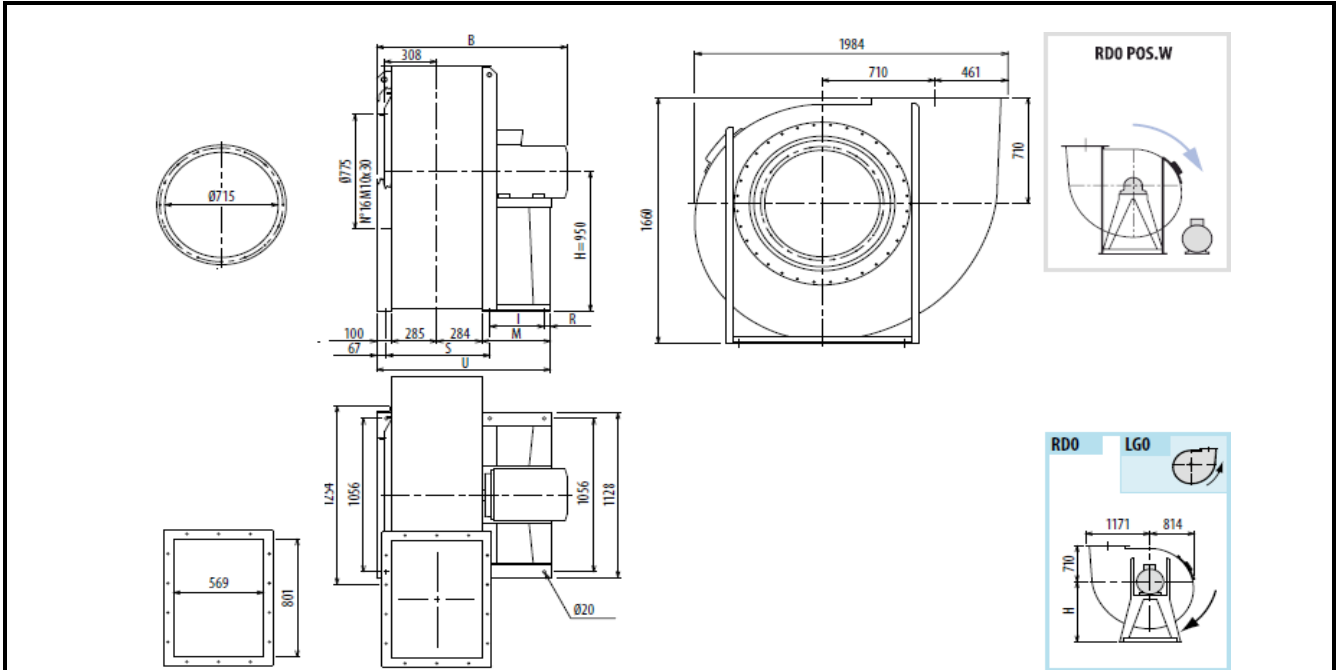
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### ITEM1

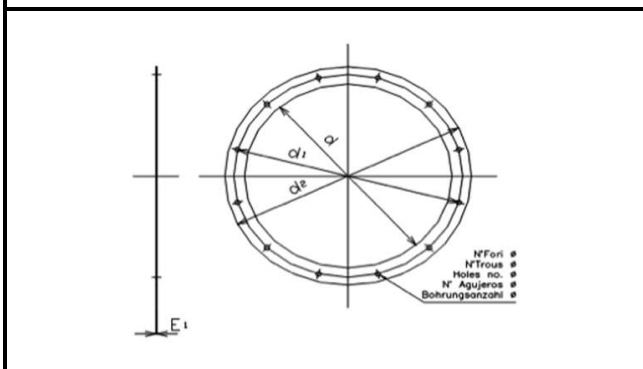
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

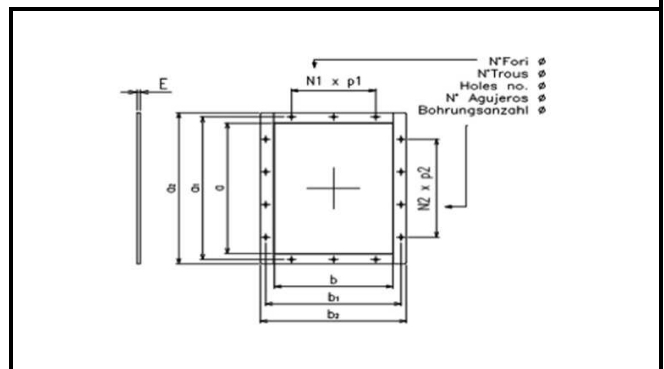
B	I	H	H1	H2	R	S	M	U	PD2	kg
1486	500	950	710	1180	45	657	600	1269	53	1081



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

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

N1xp	N2xp	n°	Φ	E
2x200	3x200	14	14	6

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