

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-20_09



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

A Hrubínova 1903/9, 66451 Šlapanice, CZ
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ITEM1

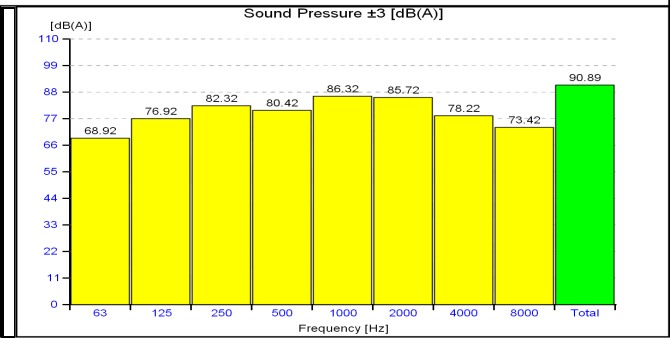
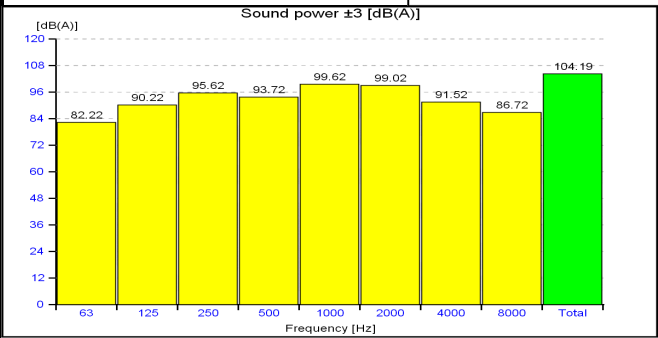
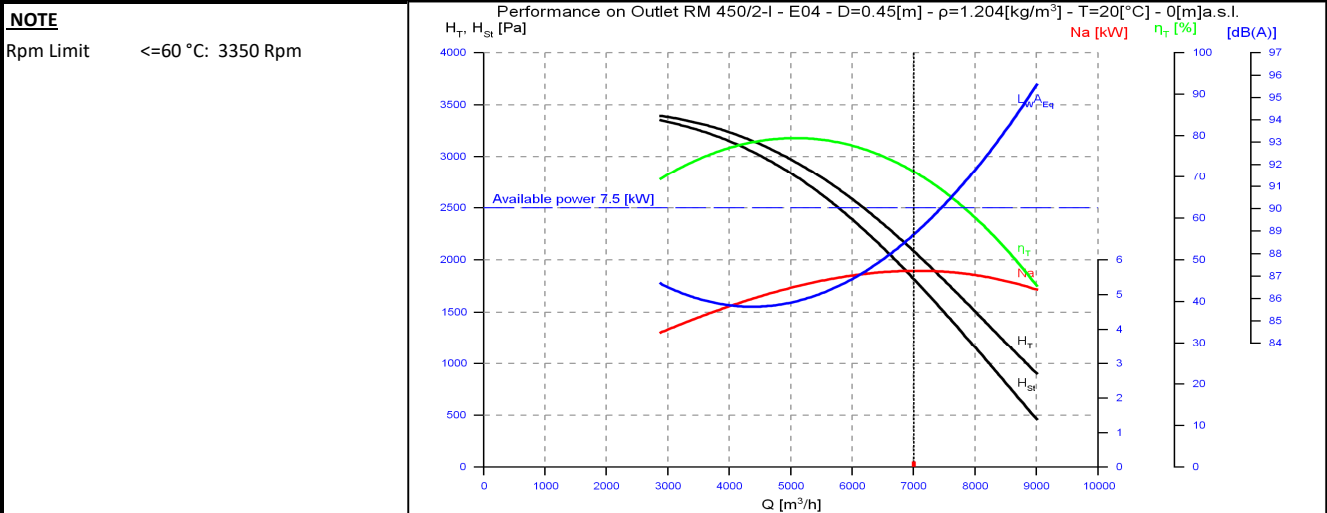
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Type and characteristics of the requested machine		performance on		Outlet
Flow rate	7000 [m3/h]	Capacity (Normal)		6522 [Nm3/h]
Total pressure	2000 [Pa]	Static pressure		
Working fluid temperature	20 [°C]	Fluid specific weight		1.204 [Kg/m3]
Installation 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 450/2-I	Execution	E04	Installation Type	A (free inlet and outlet)	
Fluid specific weight	1.204	1.204 [Kg/m3]		Revolution fan speed		2890 [rpm]
Total pressure	2083	2083 [Pa]		Orientation		RD 0
Static pressure	1816	1816 [Pa]		Sound power LwA		104.19 [dB(A)]
Flow rate	7000	7000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		90.89 [dB(A)]
Capacity (Normal)	6522	6522 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB	
Power dem. at shaft	5.684	5.684 [kW]		Fan efficiency	Outlet	71.25 %
Motor power demand	5.684	5.684 [kW]				

Characteristics of chosen motor				Motor efficiency IEC 60034-30			PD ² impeller	
Code	132SB2-50/std3	shape	B3	Efficiency	90.1	91	91	1.4 kgm ²
Rated power	7.5 [kW]	n° poles	2	rpm	2950	Load	100%	75%
							50%	9 kgm ²
								PD ² motor

ErP 2009/125/CE Regulament (UE) N. 327/2011		Notes	
Efficiency grade	64	N	74.8
Impeller type	backward blades	Type of test	B/total
		Flow rate	5083.2 [m3/h]
		Pressure	2802 [Pa]
		Total efficiency	72.23 %



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

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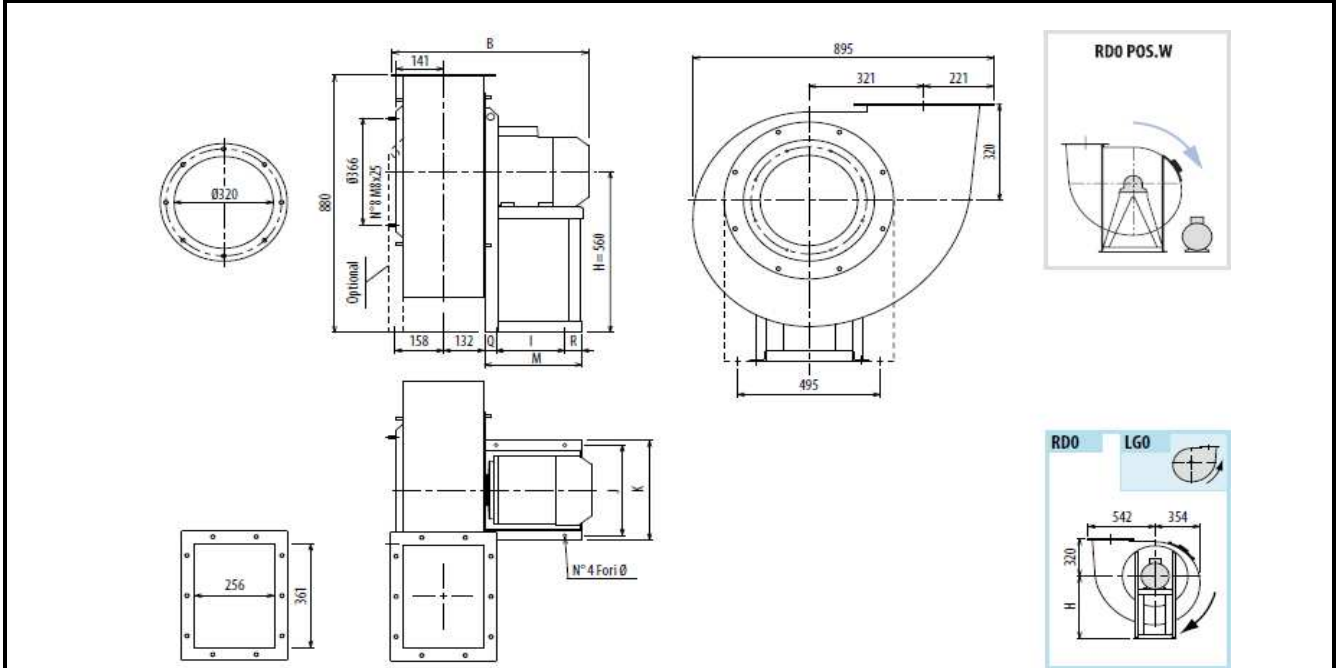
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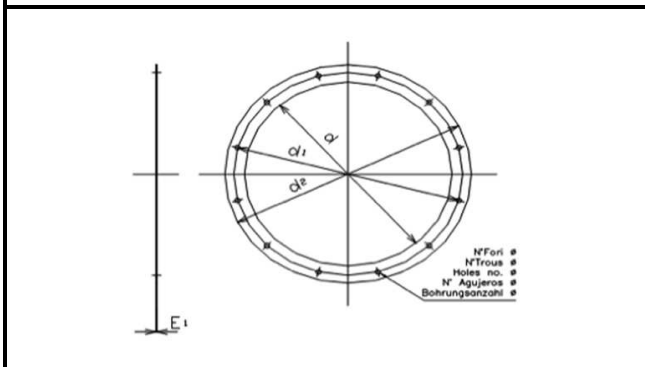
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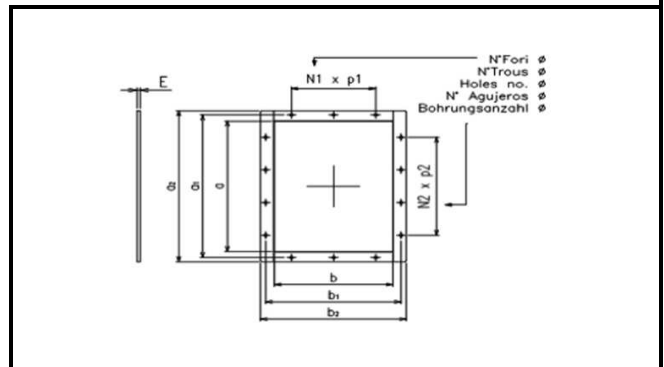
Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

B	I	H	H1	H2	J	K	Q	R	M	Φ	PD2	kg
673	237	560	320	560	337	372	44	64	345	12	1,4	118



Cod	dxn°	d1	d2	Φ	E1
0320 A	320x8	366	400	12	4



Cod	axb	a1	b1	a2	b2
0361x0256	361x256	405	300	441	336

N1xp	N2xp	n°	Φ	E
1x125	2x125	10	12	4