

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-25_23



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

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ITEM1

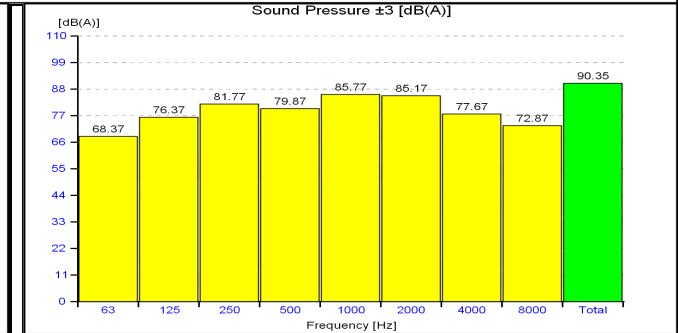
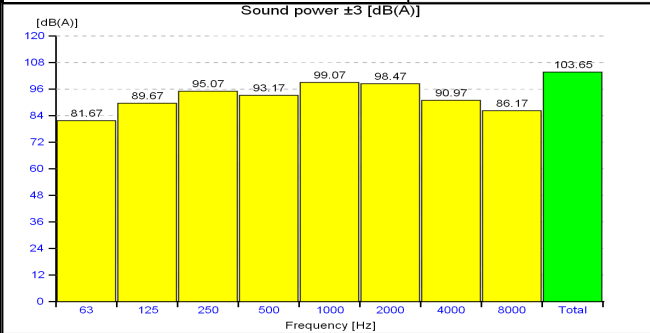
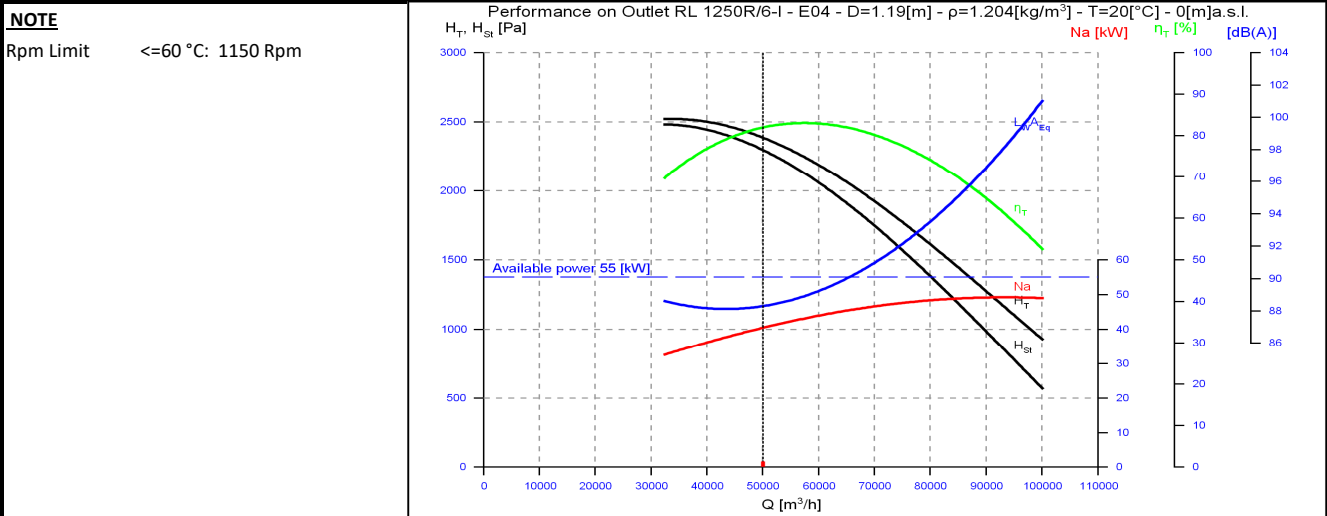
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Type and characteristics of the requested machine		performance on		Outlet
Flow rate	50000 [m3/h]	Capacity (Normal)		46589 [Nm3/h]
Total pressure	2500 [Pa]	Static pressure		
Working fluid temperature	20 [°C]	Fluid specific weight		1.204 [Kg/m3]
Installation 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	RL 1250R/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	2385	2385 [Pa]		Orientation		RD 0
Static pressure	2295	2295 [Pa]		Sound power LwA		103.65 [dB(A)]
Flow rate	50000	50000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		90.35 [dB(A)]
Capacity (Normal)	46589	46589 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB; s<1mm = +6dB	
Power dem. at shaft	40.411	40.411 [kW]		Fan efficiency	Outlet	81.97 %
Motor power demand	40.411	40.411 [kW]				

Characteristics of chosen motor				Motor efficiency IEC 60034-30			PD ² impeller	210.0	kgm ²			
Code	280M06-50/std3P	shape	B3	Efficiency	94.1	94.6	94.4	PD ² needed	208.73	kgm ²		
Rated power	55.0 [kW]	n° poles	6	rpm	988	Load	100%	75%	50%	PD ² motor	585	kgm ²

ErP 2009/125/CE Regulament (UE) N. 327/2011		Notes	
Efficiency grade	64	N	76.9
Impeller type	backward blades	Type of test	B/total
		Flow rate	57412 [m3/h]
		Pressure	2126 [Pa]
		Total efficiency	78.52 %



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

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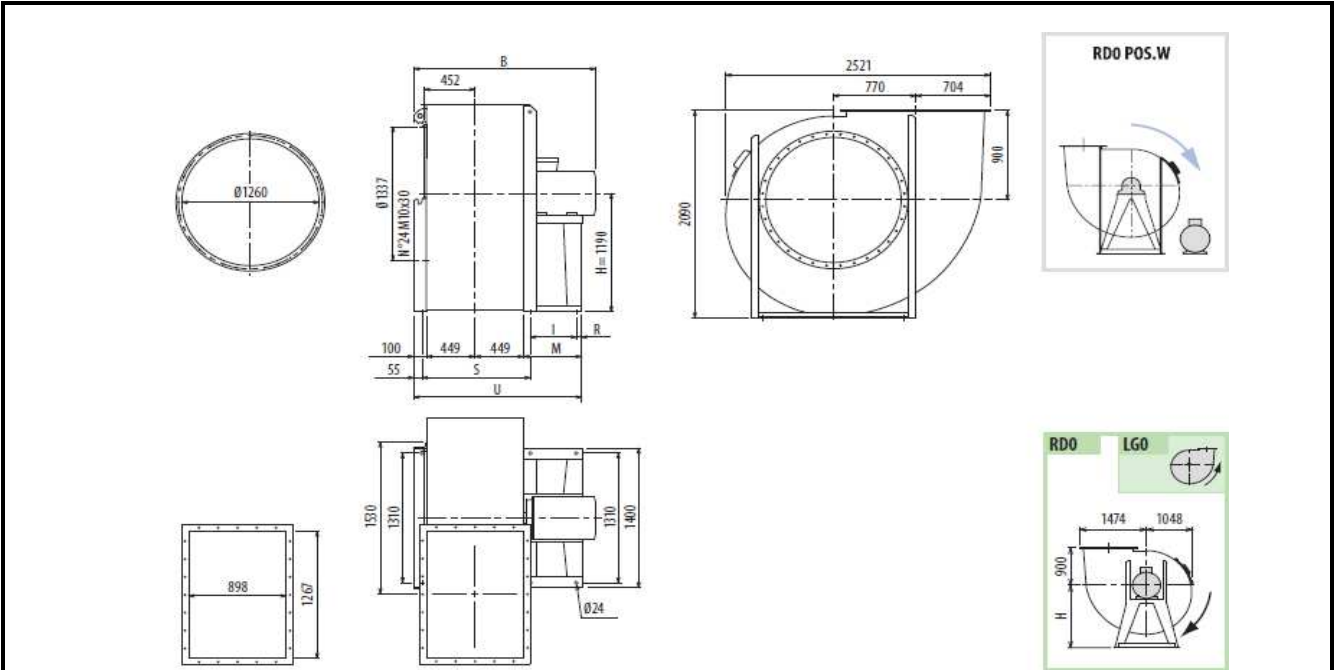
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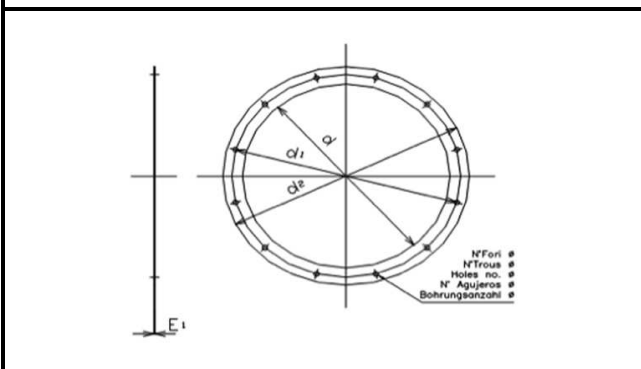
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

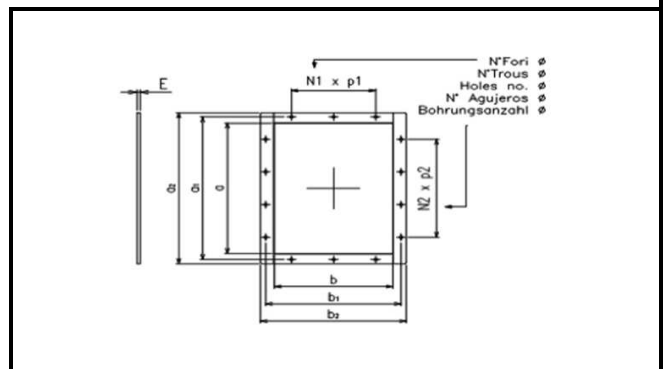
B	I	H	H1	H2	M	R	S	U	PD2	kg		
1818	565	1190	900	1500	690	45	1023	1688	210	1739		



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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