

TECHNICAL DATA SHEET

RADIAL FAN nr. AFGG-25_26



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	90000 [m3/h]	Capacity (Normal)				83860 [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 1400R/6-II	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	2507	2507 [Pa]		Orientation		RD 0		
Static pressure	2323	2323 [Pa]		Sound power LwA		107.89 [dB(A)]		
Flow rate	90000	90000 [m3/h]		Sound pressure at mt.1.5 1/2 sf in open field		94.59 [dB(A)]		
Capacity (Normal)	83860	83860 [Nm3/h]		Pipings	s>3mm = +3dB; 1mm<s<3mm = +4,5dB ; s<1mm = +6dB			
Power dem. at shaft	76.358	76.358 [kW]		Fan efficiency	Outlet	82.08 %		
Motor power demand	76.358	76.358 [kW]						
Characteristics of chosen motor				Motor efficiency IEC 60034-30			PD ² impeller	
Code	315M06-50/std3P	shape	B3	Efficiency	94.9	95.2	94.9	379.0 kgm ²
Rated power	90.0 [kW]	n° poles	6	rpm	991			PD ² needed 374.42 kgm ²
				Load	100%	75%	50%	PD ² motor 675 kgm ²
ErP 2009/125/CE Regulament (UE) N. 327/2011				Notes				
Efficiency grade	64			N	77.2	Total efficiency	79.38	%
Impeller type	backward blades	Type of test	B/total	Flow rate	78488 [m3/h]	Pressure	2622 [Pa]	
NOTE	Performance on Outlet RL 1400R/6-II - E04 - D=1.32[m] - ρ=1.204[kg/m ³] - T=20[°C] - 0[m]a.s.l.							
Rpm Limit	<=60 °C: 1150 Rpm							
values of the noise of fan obtained in ambient not reverberant with inlet and outlet ducts fully insulated								

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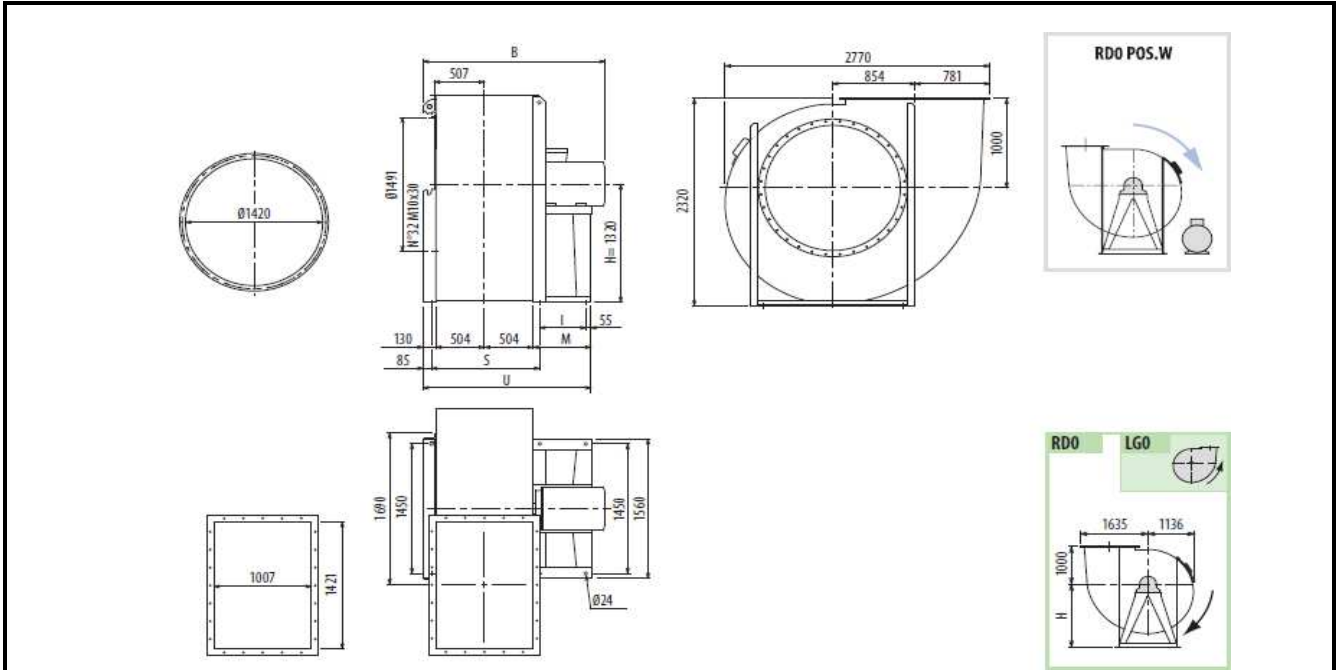
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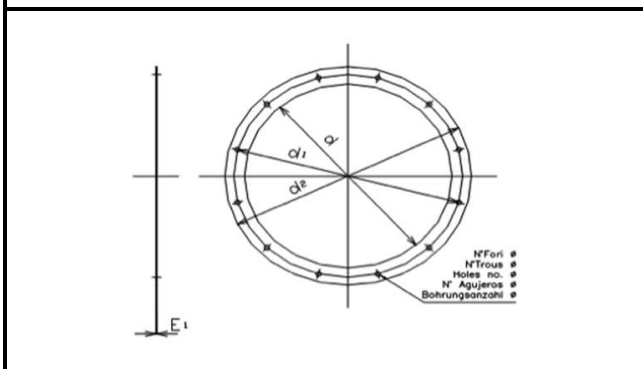
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Indicative measures in the standard configuration. For detailed information contact your reference.

Indicative value of weight including standard motor.

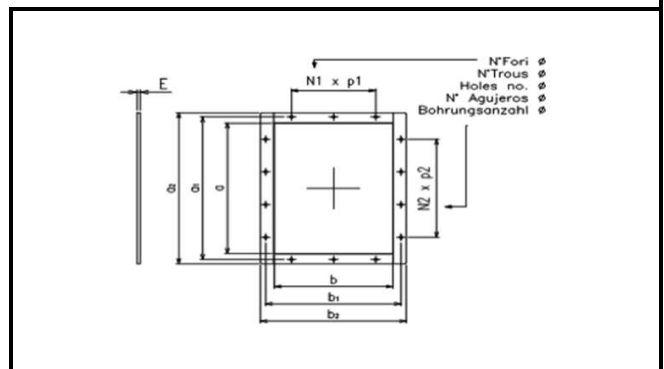
B	I	H	H1	H2	H3	H4	M	S	U	PD2	kg
2330	645	1320	1000	1700	1320	1700	800	1152	1937	379	2630



Cod	dxn°	d1	d2	Φ	E1
1420 A	1420x32	1491	1540	17	6

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Cod	axb	a1	b1	a2	b2
1421x1007	1421x1007	1501	1087	1561	1147

N1xp	N2xp	n°	Φ	E
4x200	6x200	24	18	10

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