



AXIAL FANS FOR INDUSTRY DESIGN AND MANUFACTURING

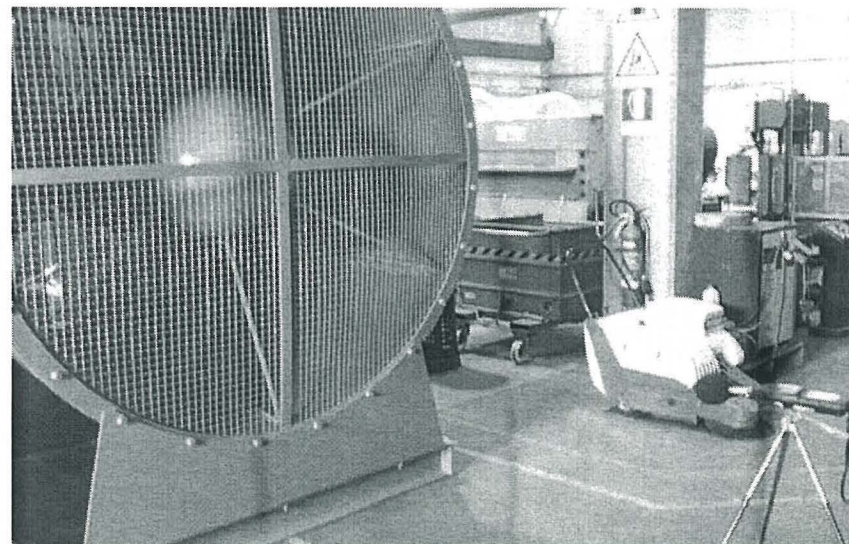
Sound analysis

Fan type :	Metro Sofia 09-013-08	Item:	1A	Outlet air side with sound attenuator
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DIAM.	1800	mm							
Air Flow :	180000	m3/h							
STATIC PRESSURE:	550	Pa							
RPM :	-735	RPM			PWL :	100	db		
DISTANCE FROM THE FAN	1	m			SPL :	92	db		

	Hz	31.5	63	125	250	500	1000	2000	4000	8000
PWL		94.6	94	93	91	91	88	86	83	79
correction in scale A		-39.5	-26.2	-16.2	-8.7	-3.2	0	1.2	1	-1.1
SPL resultant from PWL		55	68	76	83	88	88	87	84	78
Tube attenuation ref. mt. length	0	0	0	0	0	0	0	0	0	0
		55	68	76	83	88	88	87	84	78

PWL resultant outlet sound attenuator	PWL :	94	db(A)	
SPL resultant outlet sound attenuator	SPL :	86	db(A) 1/8 spherical	



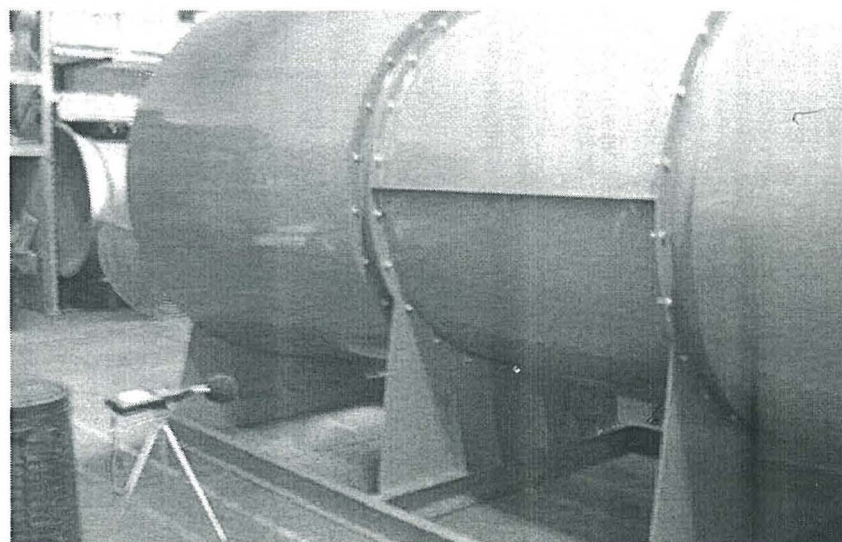
Sound analysis

Fan type :	Metro Sofia 09-013-08	Item:	2A	One Side
				with sound attenuator

DIAM.	1800	mm			
Air Flow :	180000	m3/h			
STATIC PRESSURE:	550	Pa			
RPM :	735	RPM		PWL :	94 db
DISTANCE FROM THE FAN	1	m		SPL :	86 db

	Hz	31.5	63	125	250	500	1000	2000	4000	8000
PWL		82.1	88	89	85	83	82	81	75	67
correction in scale A		-39.5	-26.2	-16.2	-8.7	-3.2	0	1.2	1	-1.1
SPL resultant from PWL		43	62	73	76	79	82	82	76	66
Tube attenuation ref. mt. length	0	0	0	0	0	0	0	0	0	0
		43	62	73	76	79	82	82	76	66

PWL resultant	PWL :	87	db(A)
SPL resultant	SPL :	79	db(A) 1/8 spherical





AXIAL FANS FOR INDUSTRY DESIGN AND MANUFACTURING

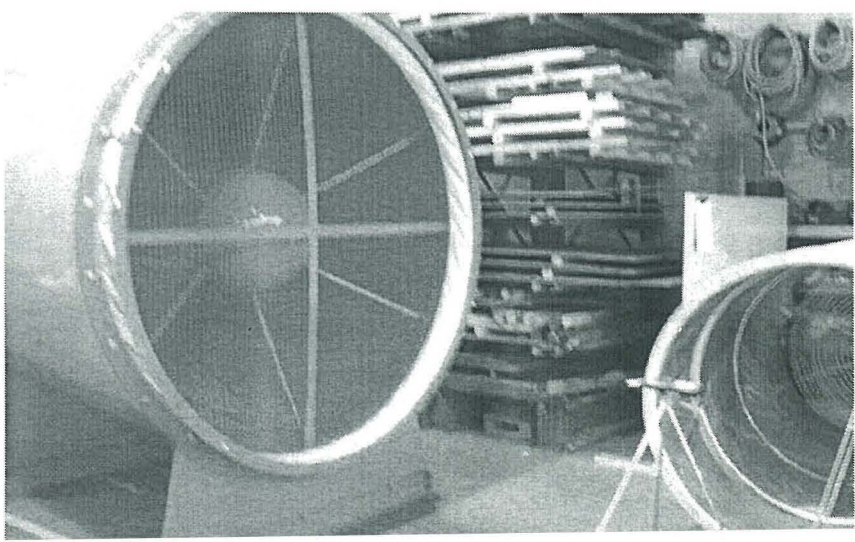
Sound analysis

Fan type :	Metro Sofia 09-013-08	Item:	3A	Inlet air side with sound attenuator
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DIAM.	1800	mm						
Air Flow :	180000	m3/h						
STATIC PRESSURE:	550	Pa						
RPM :	735	RPM			PWL :	100	db	
DISTANCE FROM THE FAN	1	m			SPL :	92	db	

	Hz	31.5	63	125	250	500	1000	2000	4000	8000
PWL		84	96	94	90	91	88	86	82	76
correction in scale A		-39.5	-26.2	-16.2	-8.7	-3.2	0	1.2	1	-1.1
SPL resultant from PWL		45	70	77	81	88	88	87	83	75
Tube attenuation ref. mt. length	0	0	0	0	0	0	0	0	0	0
		45	70	77	81	88	88	87	83	75

PWL resultant inlet sound attenuator	PWL :	93	db(A)
SPL resultant inlet sound attenuator	SPL :	85	db(A) 1/8 spherical



Sound analysis

Fan type :	Metro Sofia 09-013-08	Item:	2B	One Side
				with sound attenuator

DIAM.	1800	mm					
Air Flow :	180000	m3/h					
STATIC PRESSURE:	550	Pa					
RPM :	735	RPM			PWL :	94	db
DISTANCE FROM THE FAN	1	m			SPL :	86	db

	Hz	31.5	63	125	250	500	1000	2000	4000	8000
PWL		84.1	88	90	85	83	81	81	75	67
correction in scale A		-39.5	-26.2	-16.2	-8.7	-3.2	0	1.2	1	-1.1
SPL resultant from PWL		45	62	74	76	79	81	82	76	66
Tube attenuation ref. mt. length	0	0	0	0	0	0	0	0	0	0
	<i>одна метална козунука</i>	45	62	74	76	79	81	82	76	66

PWL resultant	PWL :	87	db(A)
SPL resultant	SPL :	79	db(A) 1/8 spherical

