criticalairflow

Fan Outlet Sound Data For Fan Model TS3S300B15M – NO DISCHARGE ATTENUATION

Number of Fans Running: 2

Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Outlet Sound Power Levels	92	98	98	96	95	90	89	76
Corrections for 2 Fans Running	3	3	3	3	3	3	3	3
Corrected Outlet Sound Power Levels	95	101	101	99	98	93	92	79

Corrections for 3 meter Distance	-17	-17	-17	-17	-17	-17	-17	-17
Sound Levels (3 meters)	78	84	84	82	81	76	75	62
'A' Scale Corrections	-26	-16	-9	-3	0	1	1	-1
dB'A' Spectrum (3 meters)	52	68	75	79	81	77	76	61

Net Sound Level (3 meters): 85dB'A'

Corrections for 16 meter Distance	-31	-31	-31	-31	-31	-31	-31	-31
Sound Levels (16 meters)	64	70	70	68	67	62	61	48
'A' Scale Corrections	-26	-16	-9	-3	0	1	1	-1
dB'A' Spectrum (16 meters)	38	54	61	65	67	63	62	47

Net Sound Level (16 meters): 71dB'A'

Fan Outlet Sound Data For Fan Model TS3S300B15M – WITH DISCHARGE ATTENUATION

Number of Fans Running: 2

Frequency	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Outlet Sound Power Levels	92	98	98	96	95	90	89	76
Corrections for 2 Fans Running	3	3	3	3	3	3	3	3
Dynamic Insertion Loss for Nozzle Silencer	-0	-6	-7	-10	-11	-7	-11	-2
Corrected Outlet Sound Power Levels	95	95	94	89	87	86	81	77

Corrections for 3 meter Distance	-17	-17	-17	-17	-17	-17	-17	-17
Sound Levels (3 meters)	78	78	77	72	70	69	64	60
'A' Scale Corrections	-26	-16	-9	-3	0	1	1	-1
dB'A' Spectrum (3 meters)	52	62	68	69	70	70	65	59

Net Sound Level (3 meters): 76dB'A'

Corrections for 16 meter Distance	-31	-31	-31	-31	-31	-31	-31	-31
Sound Levels (16 meters)	64	64	63	58	56	55	50	46
'A' Scale Corrections	-26	-16	-9	-3	0	1	1	-1
dB'A' Spectrum (16 meters)	38	48	54	55	56	56	51	45

Net Sound Level (16 meters): 62dB'A'