Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 13/10/2014

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

DATA SHEET No	Model Reference	UNIT SETTINGS	LOCATION
J2303-0001	MMD-AP0074SPH-E	Standard /Low	Fresh Air Intake
J2303-0002	MMD-AP0074SPH-E	Standard /Medium	Fresh Air Intake
J2303-0003	MMD-AP0074SPH-E	Standard /High	Fresh Air Intake
J2303-0004	MMD-AP0074SPH-E	Standard /Low	Supply Air
J2303-0005	MMD-AP0074SPH-E	Standard /Medium	Supply Air
J2303-0006	MMD-AP0074SPH-E	Standard /High	Supply Air
J2303-0007	MMD-AP0124SPH-E	Standard /Low	Fresh Air Intake
J2303-0008	MMD-AP0124SPH-E	Standard /Medium	Fresh Air Intake
J2303-0009	MMD-AP0124SPH-E	Standard /High	Fresh Air Intake
J2303-0010	MMD-AP0124SPH-E	Standard /Low	Supply Air
J2303-0011	MMD-AP0124SPH-E	Standard /Medium	Supply Air
J2303-0012	MMD-AP0124SPH-E	Standard /High	Supply Air
J2303-0013	MMD-AP0154SPH-E	Standard /Low	Fresh Air Intake
J2303-0014	MMD-AP0154SPH-E	Standard /Medium	Fresh Air Intake
J2303-0015	MMD-AP0154SPH-E	Standard /High	Fresh Air Intake
J2303-0016	MMD-AP0154SPH-E	Standard /Low	Supply Air
J2303-0017	MMD-AP0154SPH-E	Standard /Medium	Supply Air
J2303-0018	MMD-AP0154SPH-E	Standard /High	Supply Air
J2303-0019	MMD-AP0244SPH-E	Standard /Low	Fresh Air Intake
J2303-0020	MMD-AP0244SPH-E	Standard /Medium	Fresh Air Intake
J2303-0021	MMD-AP0244SPH-E	Standard /High	Fresh Air Intake
J2303-0022	MMD-AP0244SPH-E	Standard /Low	Supply Air
J2303-0023	MMD-AP0244SPH-E	Standard /Medium	Supply Air
J2303-0024	MMD-AP0244SPH-E	Standard /High	Supply Air
J2303-0025	MMD-AP0274SPH-E	Standard /Low	Fresh Air Intake
J2303-0026	MMD-AP0274SPH-E	Standard /Medium	Fresh Air Intake
J2303-0027	MMD-AP0274SPH-E	Standard /High	Fresh Air Intake
J2303-0028	MMD-AP0274SPH-E	Standard /Low	Supply Air
J2303-0029	MMD-AP0274SPH-E	Standard /Medium	Supply Air
J2303-0030	MMD-AP0274SPH-E	Standard /High	Supply Air

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0001

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0074SPH-E **UNIT SETTINGS** Standard / Low

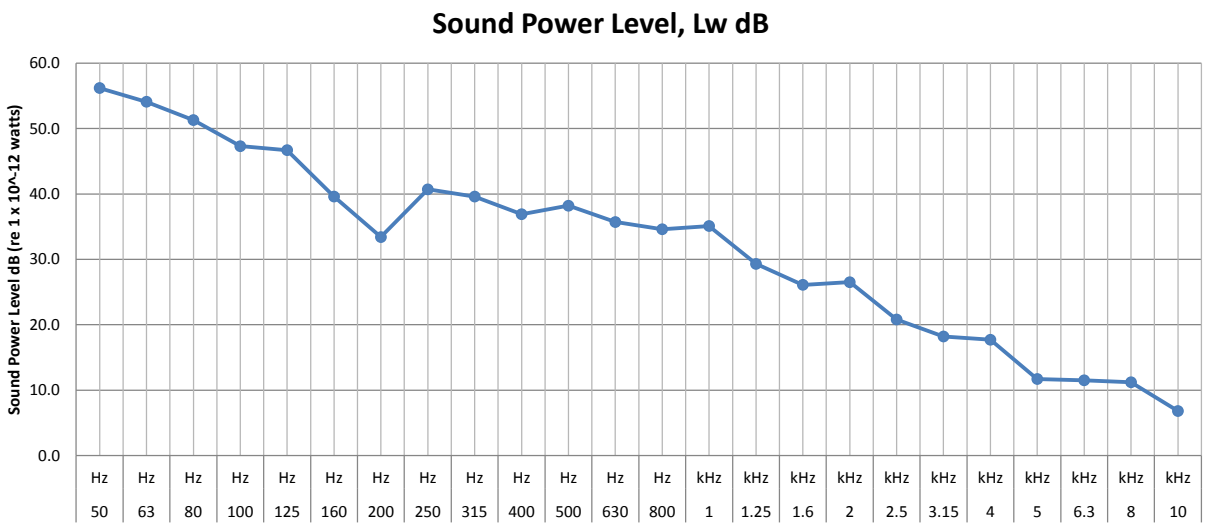
Specific Parameters

Standard Air Volume 400 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	56.2	54.1	51.3	47.3	46.7	39.6	33.4	40.7	39.6	36.9	38.2	35.7	34.6	35.1	29.3	26.1	26.5	20.8	18.2	17.7	11.7	11.5	11.2	6.8
Induct Lw dB		59.1			50.4			43.6			41.8			38.4			29.9			21.5			15.1	
LW Total		59.9	dB (re 1 x 10^-12 watts)																					
LW (A) Total		43.7	dB																					



Data Sheet Produced By **Signed** **Date**

Paul Horsley MIOA
Paul Horsley Acoustics Ltd
1 Upper Lane, Gomersal, BD19 4JD
Tel - 01274 879 020

08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0002

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0074SPH-E **UNIT SETTINGS** Standard / Medium

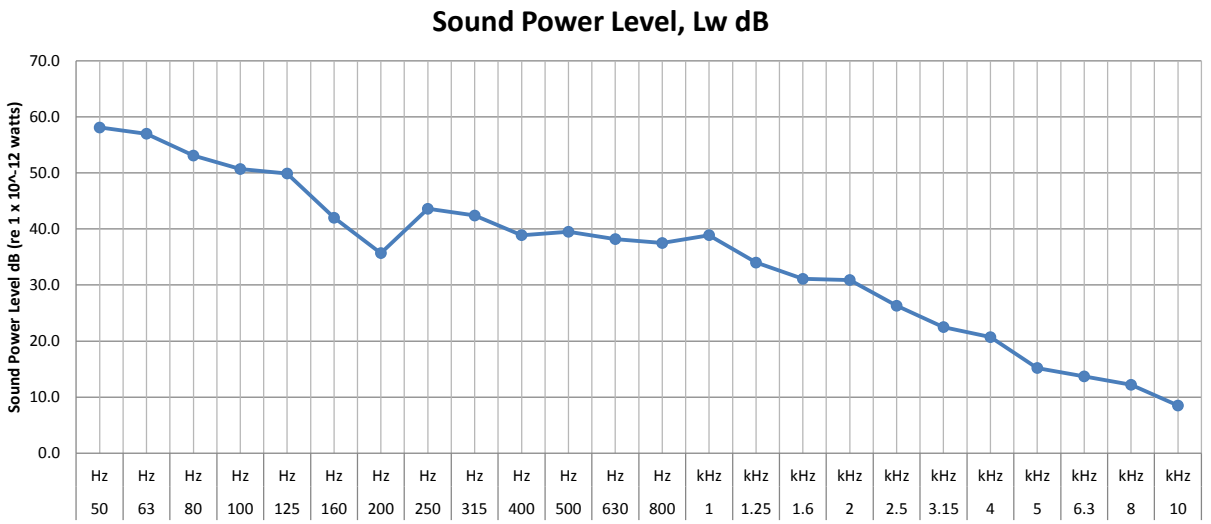
Specific Parameters

Standard Air Volume 470 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	58.1	57.0	53.1	50.7	49.9	42.0	35.7	43.6	42.4	38.9	39.5	38.2	37.5	38.9	34.0	31.1	30.9	26.3	22.5	20.7	15.2	13.7	12.2	8.5
Induct Lw dB		61.3			53.6			46.4			43.7			42.0			34.7			25.2			16.7	
LW Total		62.2	dB (re 1 x 10^-12 watts)																					
LW (A) Total		46.7	dB																					



Data Sheet Produced By **Signed** **Date**

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Paul Horsley Acoustics Ltd
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CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0003

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0074SPH-E **UNIT SETTINGS** Standard / High

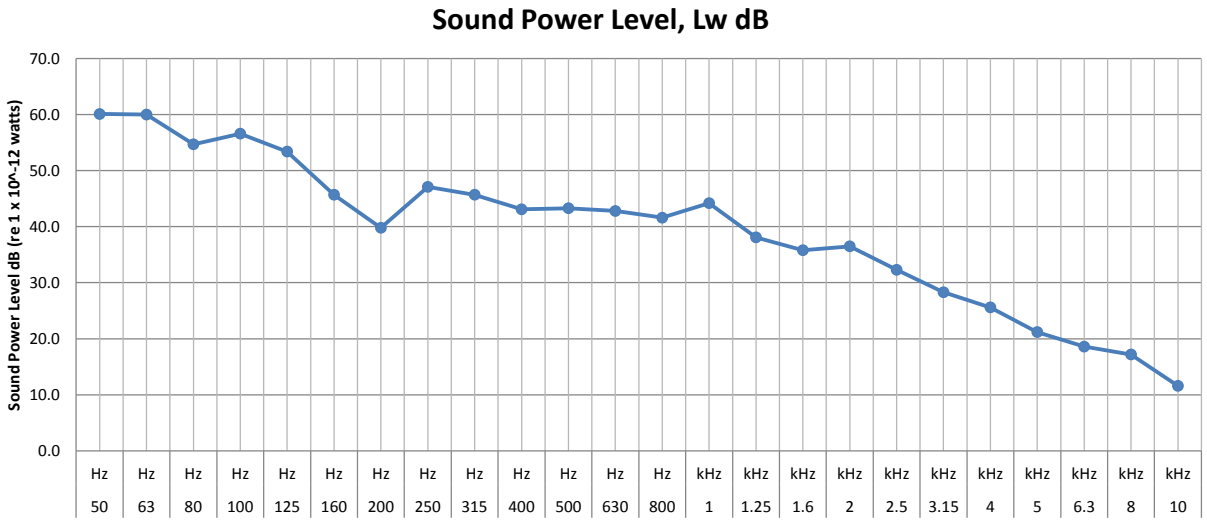
Specific Parameters

Standard Air Volume 540 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	60.1	60.0	54.7	56.6	53.4	45.7	39.8	47.1	45.7	43.1	43.3	42.8	41.6	44.2	38.1	35.8	36.5	32.3	28.3	25.6	21.2	18.6	17.2	11.6
Induct Lw dB		63.7			58.5			49.9			47.8			46.7			40.0			30.7			21.4	
LW Total		65.1	dB (re 1 x 10^-12 watts)																					
LW (A) Total		51.0	dB																					



Data Sheet Produced By **Signed** **Date**

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Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0004

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0074SPH-E **UNIT SETTINGS** Standard / Low

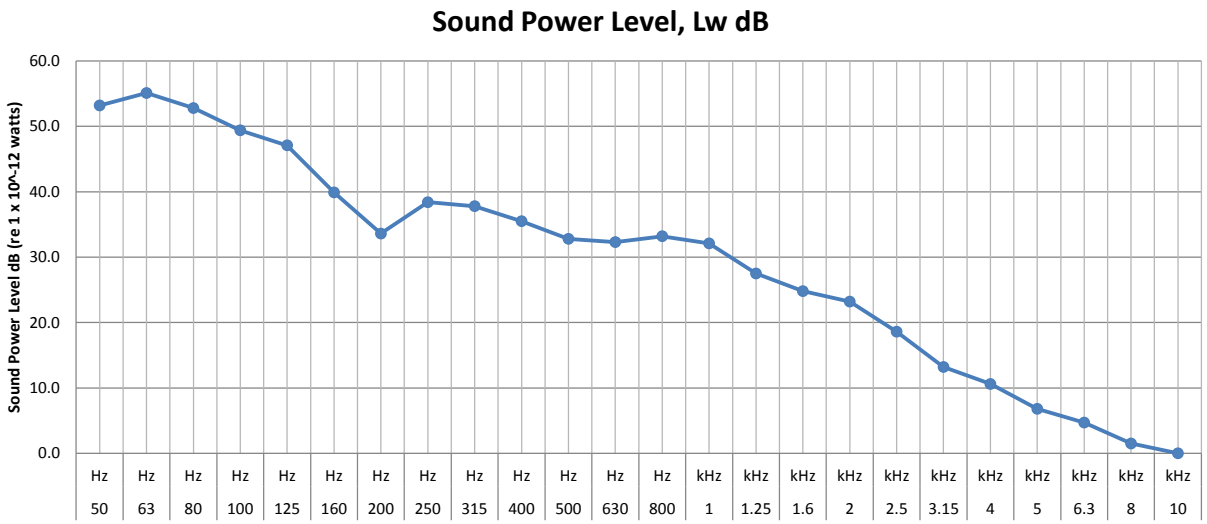
Specific Parameters

Standard Air Volume 400 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	53.2	55.1	52.8	49.4	47.1	39.9	33.6	38.4	37.8	35.5	32.8	32.3	33.2	32.1	27.5	24.8	23.2	18.6	13.2	10.6	6.8	4.7	1.5	0.0
Induct Lw dB		58.6			51.7			41.8			38.5			36.3			27.7			15.7			7.3	
LW Total		59.5	dB (re 1 x 10^-12 watts)																					
LW (A) Total		42.1	dB																					



Data Sheet Produced By	Signed	Date
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Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0005

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0074SPH-E **UNIT SETTINGS** Standard / Medium

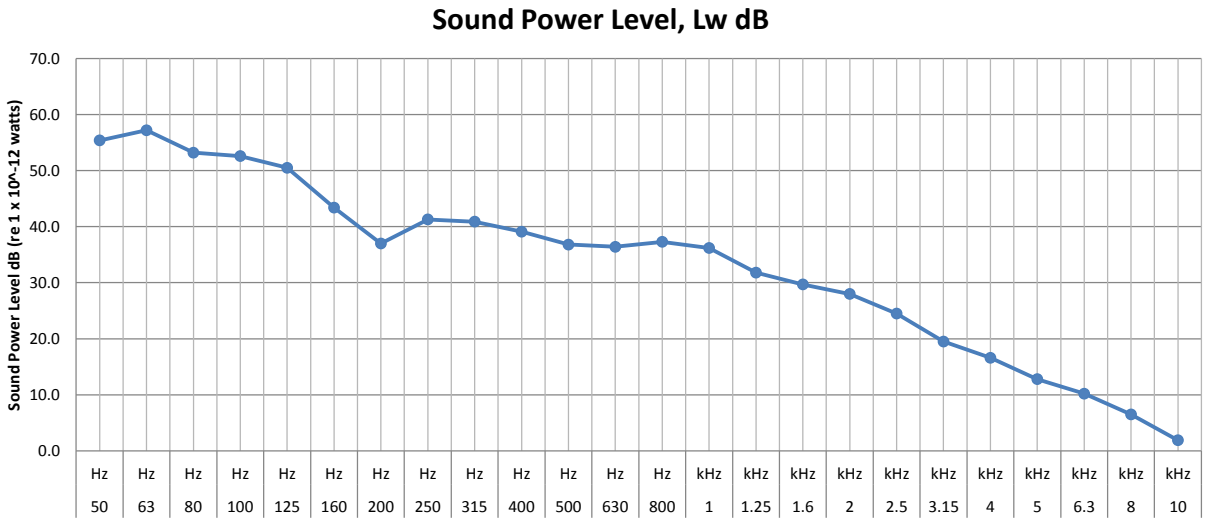
Specific Parameters

Standard Air Volume 470 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	55.4	57.2	53.2	52.6	50.5	43.4	37.0	41.3	40.9	39.1	36.8	36.4	37.3	36.2	31.8	29.7	28.0	24.5	19.5	16.6	12.8	10.2	6.5	1.9
Induct Lw dB		60.3			55.0			44.9			42.4			40.4			32.7			21.9			12.2	
LW Total		61.6	dB (re 1 x 10^-12 watts)																					
LW (A) Total		45.7	dB																					



Data Sheet Produced By	Signed	Date
Paul Horsley MIOA Paul Horsley Acoustics Ltd 1 Upper Lane, Gomersal, BD19 4JD Tel - 01274 879 020		08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0006

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0074SPH-E **UNIT SETTINGS** Standard / High

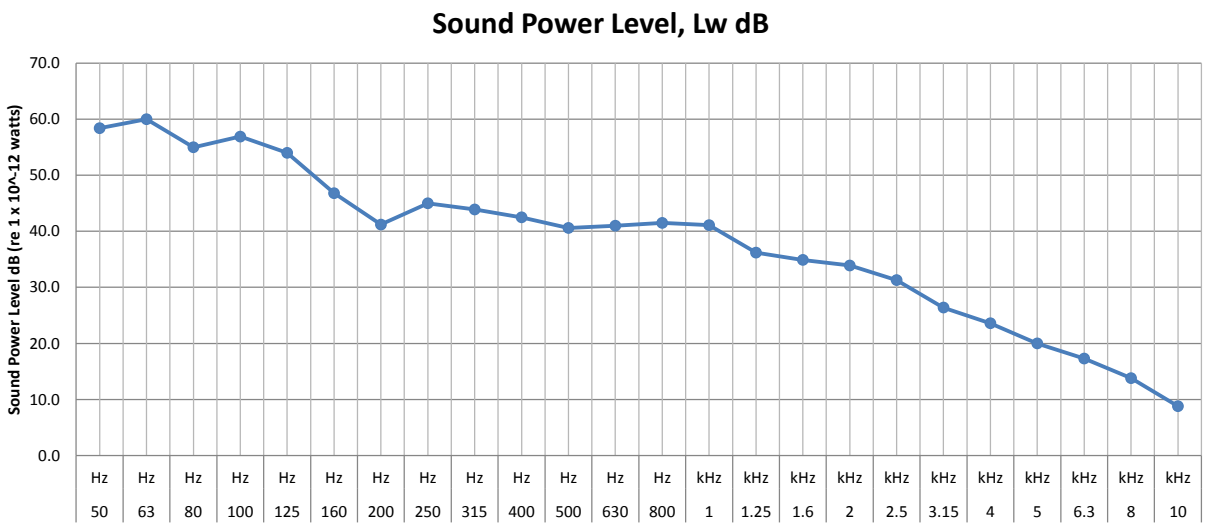
Specific Parameters

Standard Air Volume 540 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	58.4	60.0	55.0	56.9	54.0	46.8	41.2	45.0	43.9	42.5	40.6	41.0	41.5	41.1	36.2	34.9	33.9	31.3	26.4	23.6	20.0	17.3	13.8	8.8
Induct Lw dB		63.0			59.0			48.4			46.2			44.9			38.4			28.8			19.3	
LW Total		64.7	dB (re 1 x 10^-12 watts)																					
LW (A) Total		49.8	dB																					



Data Sheet Produced By **Signed** **Date**

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08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0007

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00124SPH-E **UNIT SETTINGS** Standard / Low

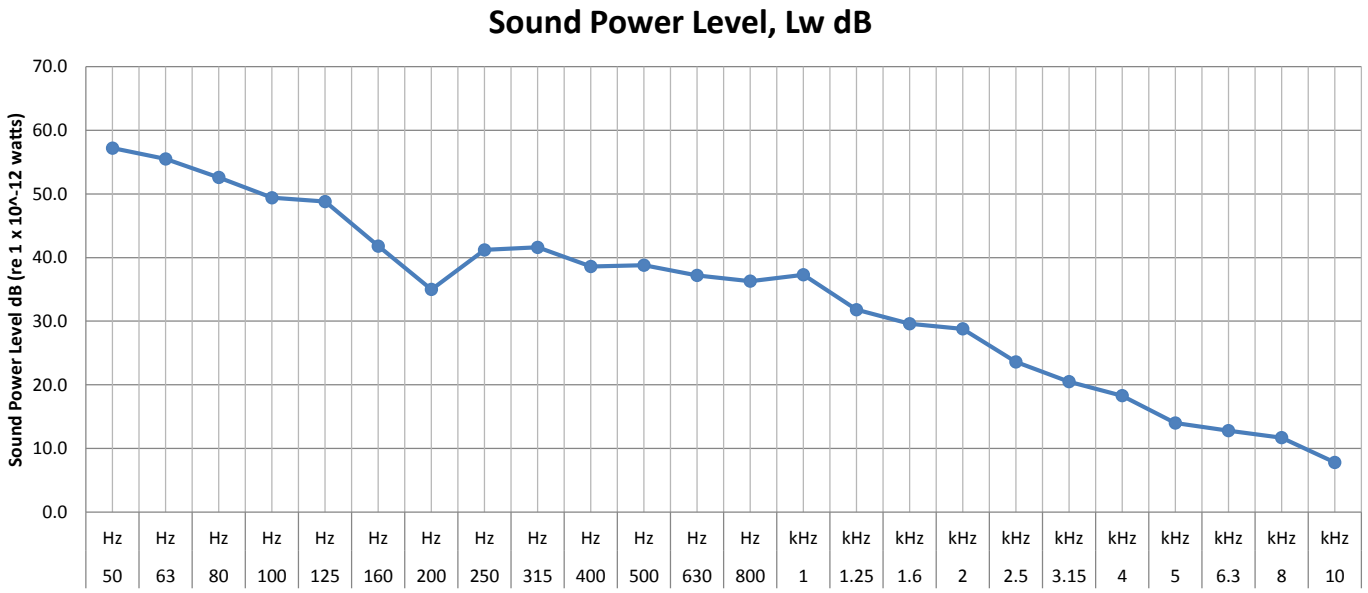
Specific Parameters

Standard Air Volume 450 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	57.2	55.5	52.6	49.4	48.8	41.8	35.0	41.2	41.6	38.6	38.8	37.2	36.3	37.3	31.8	29.6	28.8	23.6	20.5	18.3	14.0	12.8	11.7	7.8
Induct Lw dB		60.3			52.5			44.9			43.0			40.5			32.8			23.1			16.0	
LW Total		61.2	dB (re 1 x 10^-12 watts)																					
LW (A) Total		45.4	dB																					



Data Sheet Produced By	Signed	Date
Paul Horsley MIOA **Paul Horsley Acoustics Ltd** **1 Upper Lane, Gomersal, BD19 4JD** **Tel - 01274 879 020**		08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0008

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00124SPH-E **UNIT SETTINGS** Standard / Medium

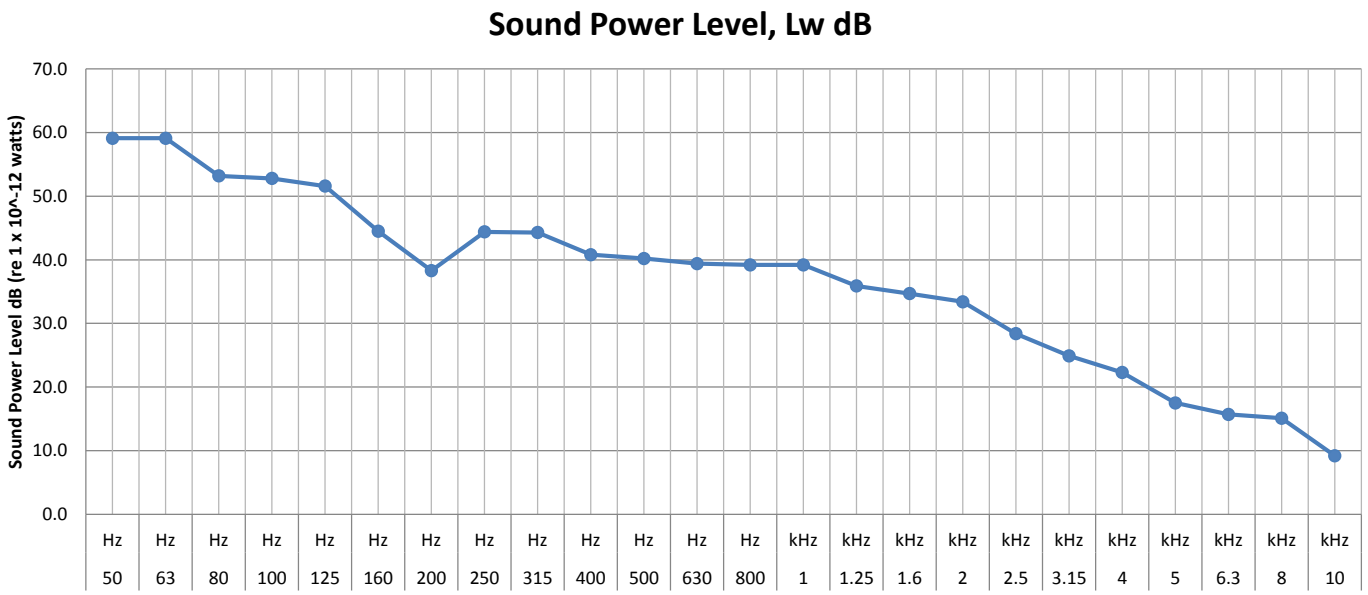
Specific Parameters

Standard Air Volume 520 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	59.1	59.1	53.2	52.8	51.6	44.5	38.3	44.4	44.3	40.8	40.2	39.4	39.2	39.2	35.9	34.7	33.4	28.4	24.9	22.3	17.5	15.7	15.1	9.2
Induct Lw dB		62.6			55.6			47.9			44.9			43.1			37.7			27.3			18.9	
LW Total		63.6	dB (re 1 x 10^-12 watts)																					
LW (A) Total		48.2	dB																					



Data Sheet Produced By **Signed** **Date**

Paul Horsley MIOA
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08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0009

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00124SPH-E **UNIT SETTINGS** Standard / High

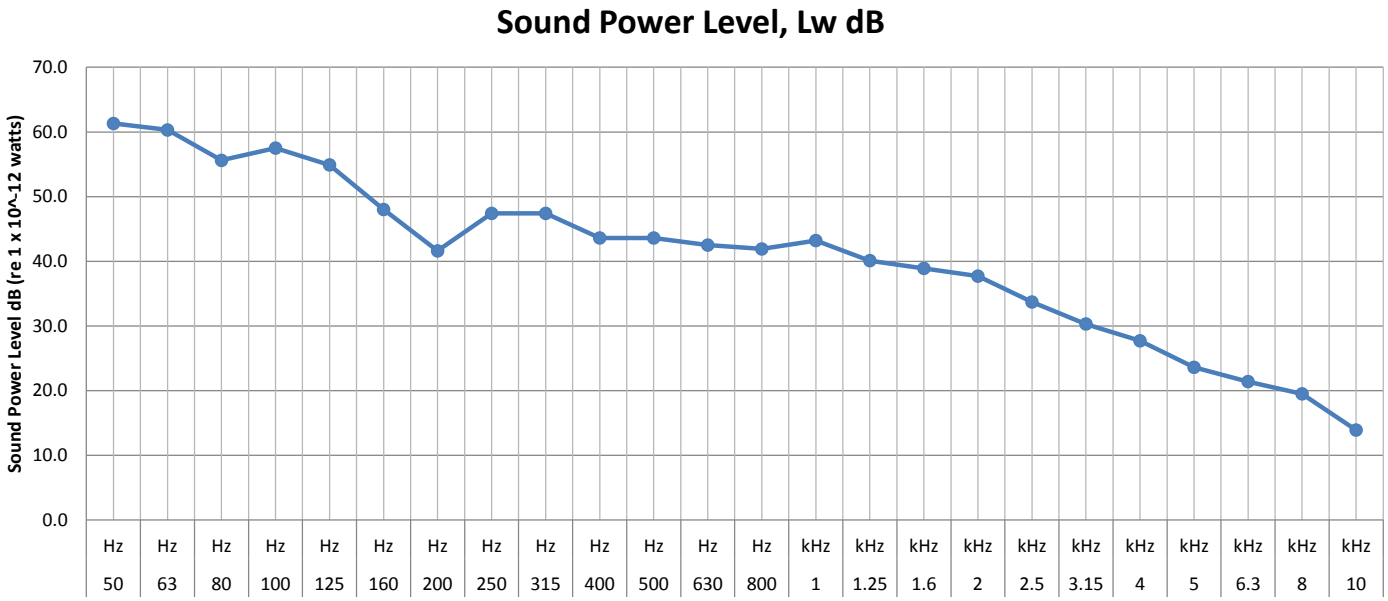
Specific Parameters

Standard Air Volume 600 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	61.3	60.3	55.6	57.5	54.9	48.0	41.6	47.4	47.4	43.6	43.6	42.5	41.9	43.2	40.1	38.9	37.7	33.7	30.3	27.7	23.6	21.4	19.5	13.9
Induct Lw dB		64.4			59.7			50.9			48.0			46.7			42.0			32.8			24.0	
LW Total		66.0	dB (re 1 x 10^-12 watts)																					
LW (A) Total		51.7	dB																					



Data Sheet Produced By **Signed** **Date**

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08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0010

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00124SPH-E **UNIT SETTINGS** Standard / Low

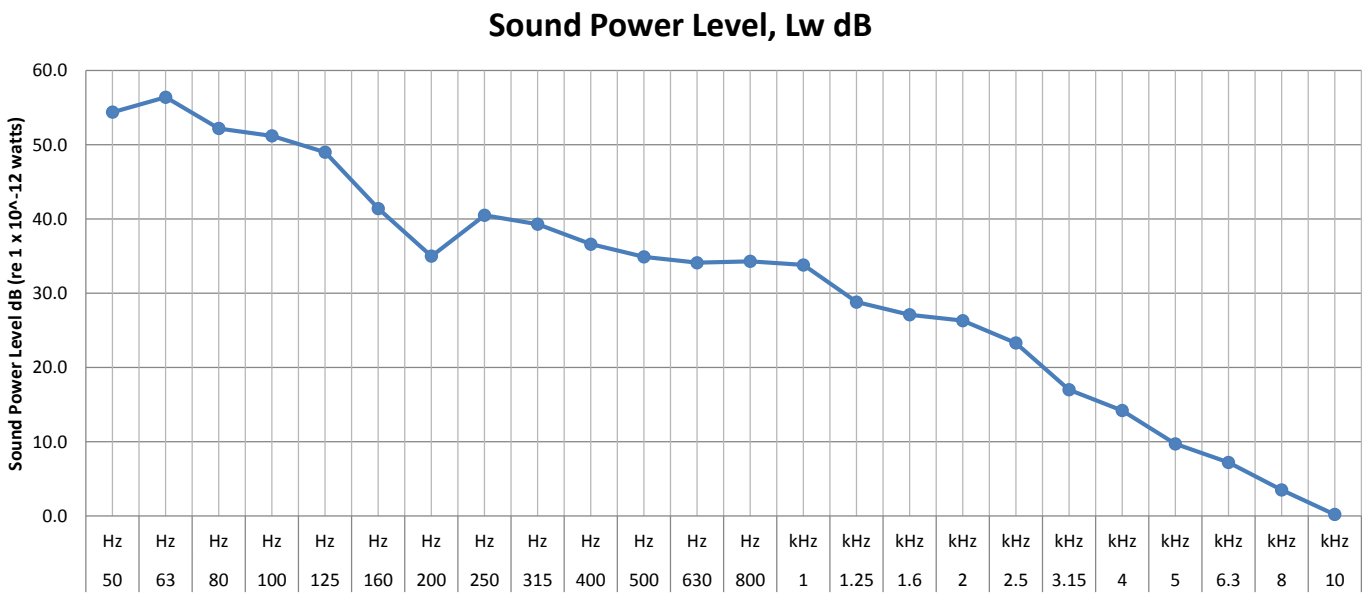
Specific Parameters

Standard Air Volume 450 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	54.4	56.4	52.2	51.2	49.0	41.4	35.0	40.5	39.3	36.6	34.9	34.1	34.3	33.8	28.8	27.1	26.3	23.3	17.0	14.2	9.7	7.2	3.5	0.2
Induct Lw dB		59.4			53.5			43.6			40.1			37.7			30.6			19.3			9.2	
LW Total		60.6	dB (re 1 x 10^-12 watts)																					
LW (A) Total		43.7	dB																					



Data Sheet Produced By **Signed** **Date**

Paul Horsley MIOA
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08.10.14

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Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0011

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00124SPH-E **UNIT SETTINGS** Standard / Medium

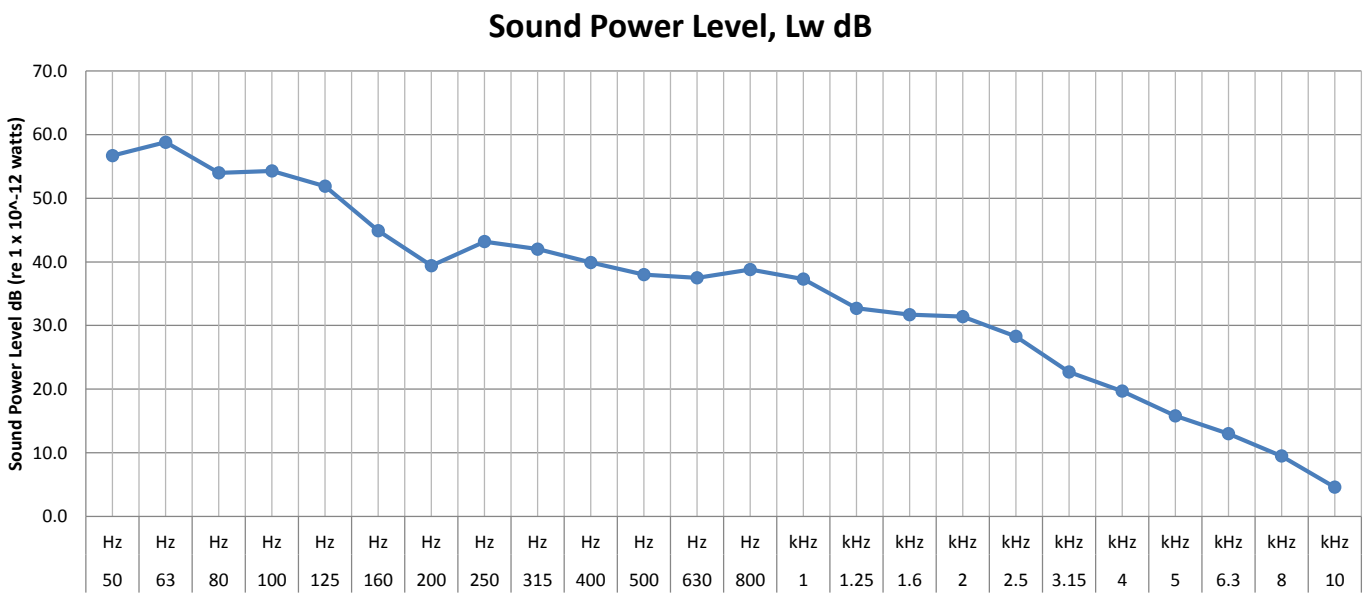
Specific Parameters

Standard Air Volume 520 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	56.7	58.8	54.0	54.3	51.9	44.9	39.4	43.2	42.0	39.9	38.0	37.5	38.8	37.3	32.7	31.7	31.4	28.3	22.7	19.7	15.8	13.0	9.5	4.6
Induct Lw dB		61.7			56.6			46.6			43.4			41.7			35.5			25.0			15.0	
LW Total		63.1	dB (re 1 x 10^-12 watts)																					
LW (A) Total		47.1	dB																					



Data Sheet Produced By **Signed** **Date**

Paul Horsley MIOA
Paul Horsley Acoustics Ltd
1 Upper Lane, Gomersal, BD19 4JD
Tel - 01274 879 020

08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0012

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00124SPH-E **UNIT SETTINGS** Standard / High

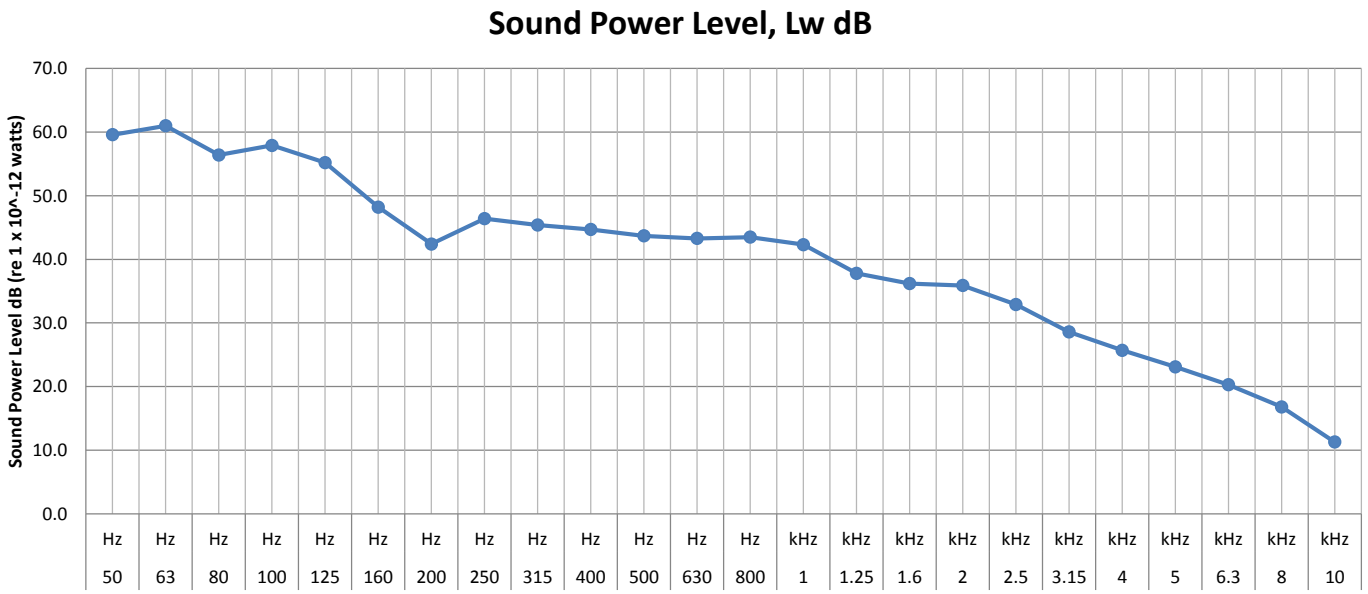
Specific Parameters

Standard Air Volume 600 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	59.6	61.0	56.4	57.9	55.2	48.2	42.4	46.4	45.4	44.7	43.7	43.3	43.5	42.3	37.8	36.2	35.9	32.9	28.6	25.7	23.1	20.3	16.8	11.3
Induct Lw dB		64.2			60.1			49.8			48.7			46.6			40.0			31.1			22.3	
LW Total		65.9	dB (re 1 x 10^-12 watts)																					
LW (A) Total		51.5	dB																					



Data Sheet Produced By	Signed	Date
Paul Horsley MIOA **Paul Horsley Acoustics Ltd** **1 Upper Lane, Gomersal, BD19 4JD** **Tel - 01274 879 020**		08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0013

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00154SPH-E **UNIT SETTINGS** Standard / Low

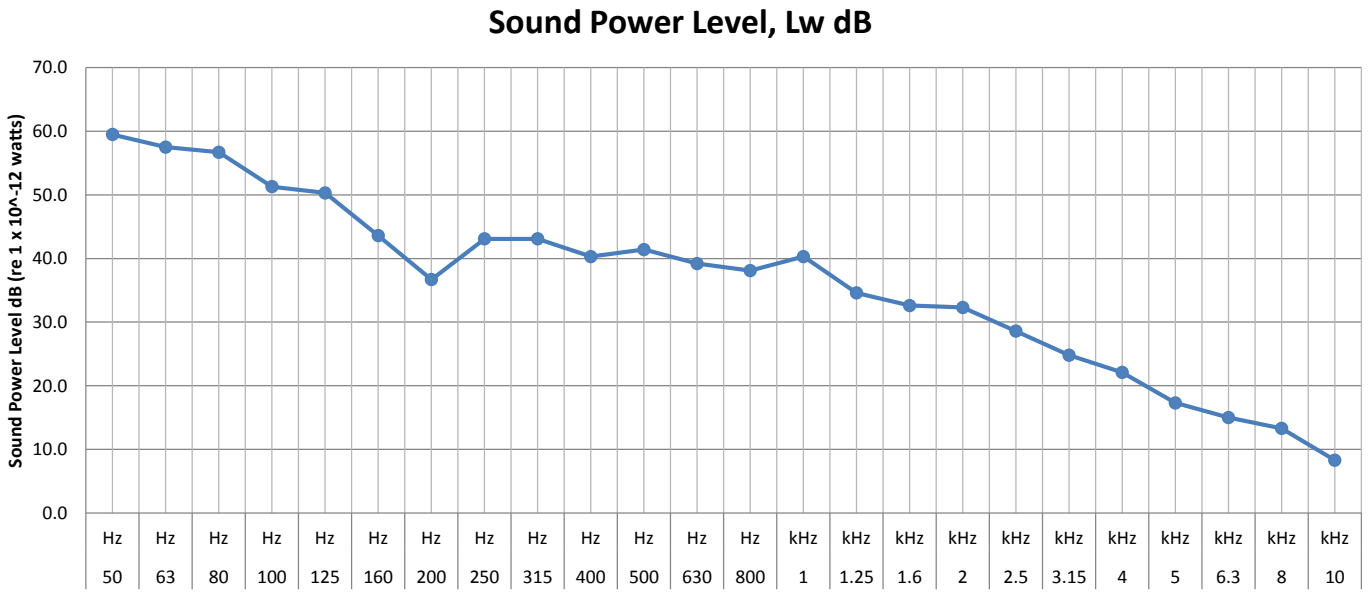
Specific Parameters

Standard Air Volume 520 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	59.5	57.5	56.7	51.3	50.3	43.6	36.7	43.1	43.1	40.3	41.4	39.2	38.1	40.3	34.6	32.6	32.3	28.6	24.8	22.1	17.3	15.0	13.3	8.3
Induct Lw dB		62.8			54.2			46.6			45.2			43.0			36.3			27.1			17.8	
LW Total		63.6	dB (re 1 x 10^-12 watts)																					
LW (A) Total		47.8	dB																					



Data Sheet Produced By **Signed** **Date**

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08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0014

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00154SPH-E **UNIT SETTINGS** Standard / Medium

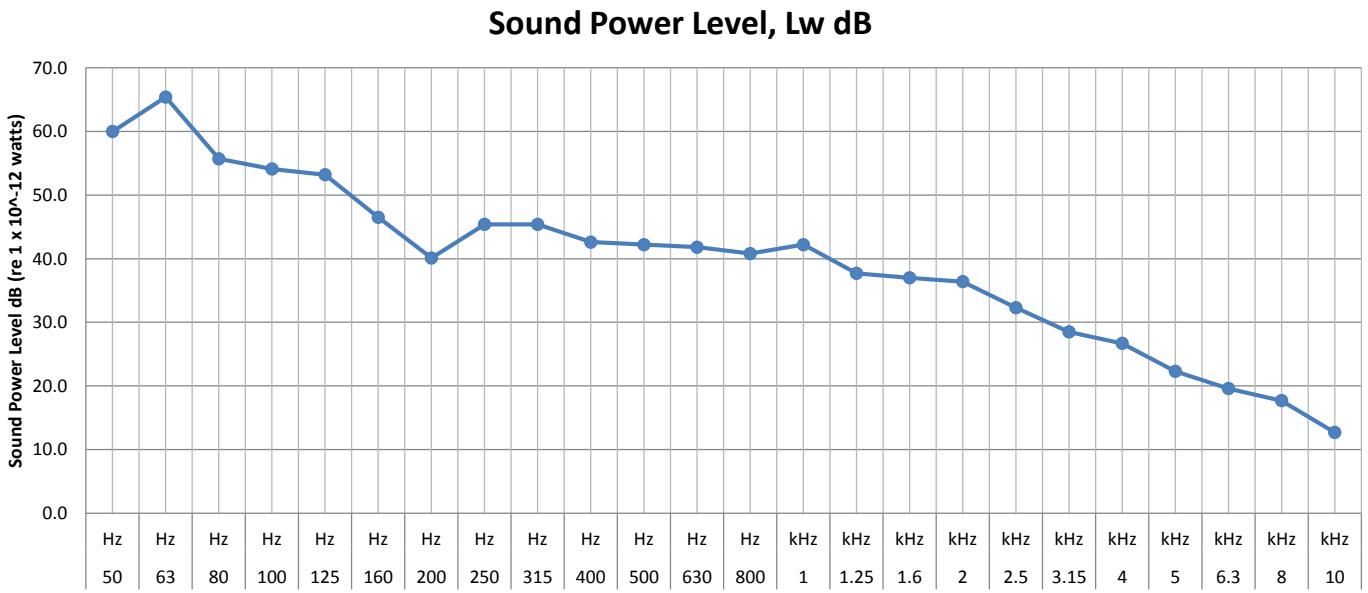
Specific Parameters

Standard Air Volume 600 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	60.0	65.4	55.7	54.1	53.2	46.5	40.1	45.4	45.4	42.6	42.2	41.8	40.8	42.2	37.7	37.0	36.4	32.3	28.5	26.7	22.3	19.6	17.7	12.7
Induct Lw dB		66.8			57.1			49.0			47.0			45.4			40.4			31.3			22.3	
LW Total		67.4	dB (re 1 x 10^-12 watts)																					
LW (A) Total		50.4	dB																					



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CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0015

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00154SPH-E **UNIT SETTINGS** Standard / High

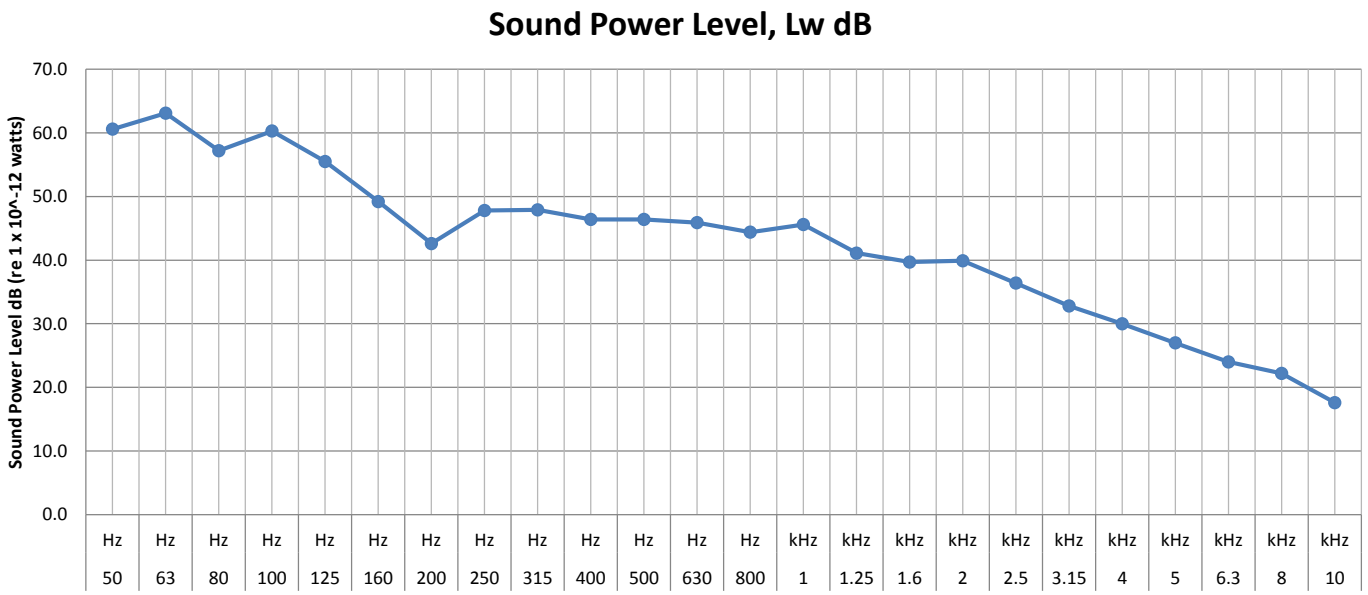
Specific Parameters

Standard Air Volume 690 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	60.6	63.1	57.2	60.3	55.5	49.2	42.6	47.8	47.9	46.4	46.4	45.9	44.4	45.6	41.1	39.7	39.9	36.4	32.8	30.0	27.0	24.0	22.2	17.6
Induct Lw dB		65.7			61.8			51.5			51.0			48.8			43.7			35.3			26.8	
LW Total		67.5	dB (re 1 x 10^-12 watts)																					
LW (A) Total		53.8	dB																					



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CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0016

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00154SPH-E **UNIT SETTINGS** Standard / Low

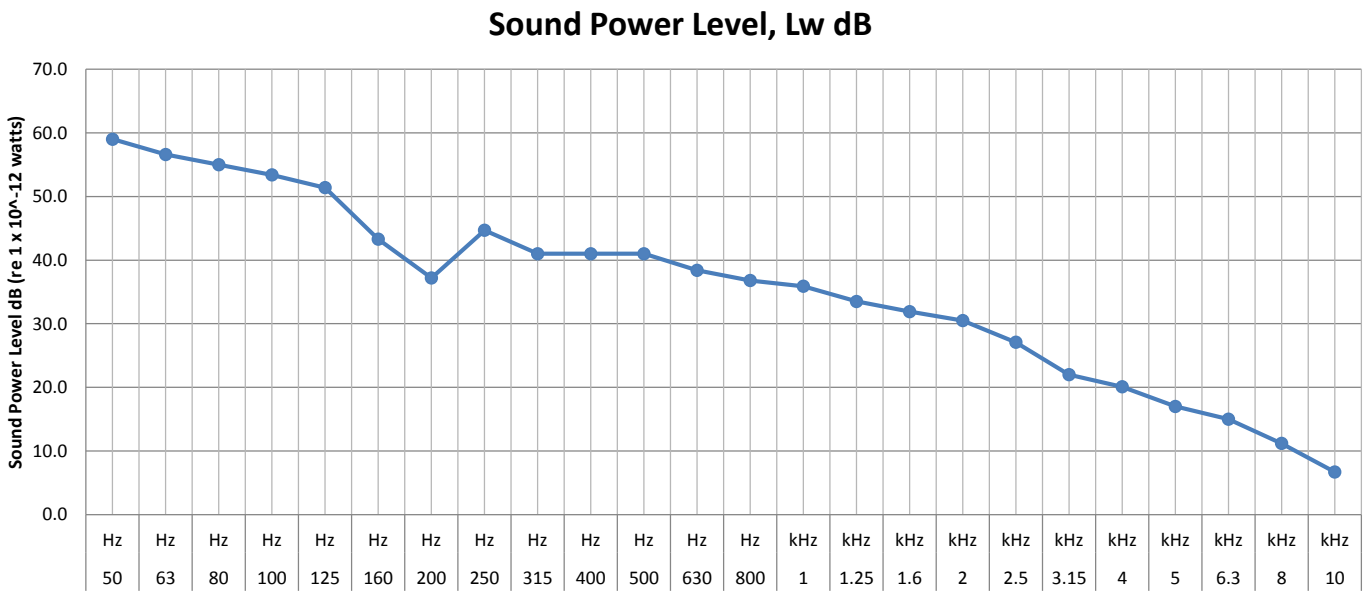
Specific Parameters

Standard Air Volume 520 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	59.0	56.6	55.0	53.4	51.4	43.3	37.2	44.7	41.0	41.0	41.0	38.4	36.8	35.9	33.5	31.9	30.5	27.1	22.0	20.1	17.0	15.0	11.2	6.7
Induct Lw dB		62.0			55.8			46.8			45.1			40.4			35.0			24.9			16.9	
LW Total		63.1	dB (re 1 x 10^-12 watts)																					
LW (A) Total		47.1	dB																					



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Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0017

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00154SPH-E **UNIT SETTINGS** Standard / Medium

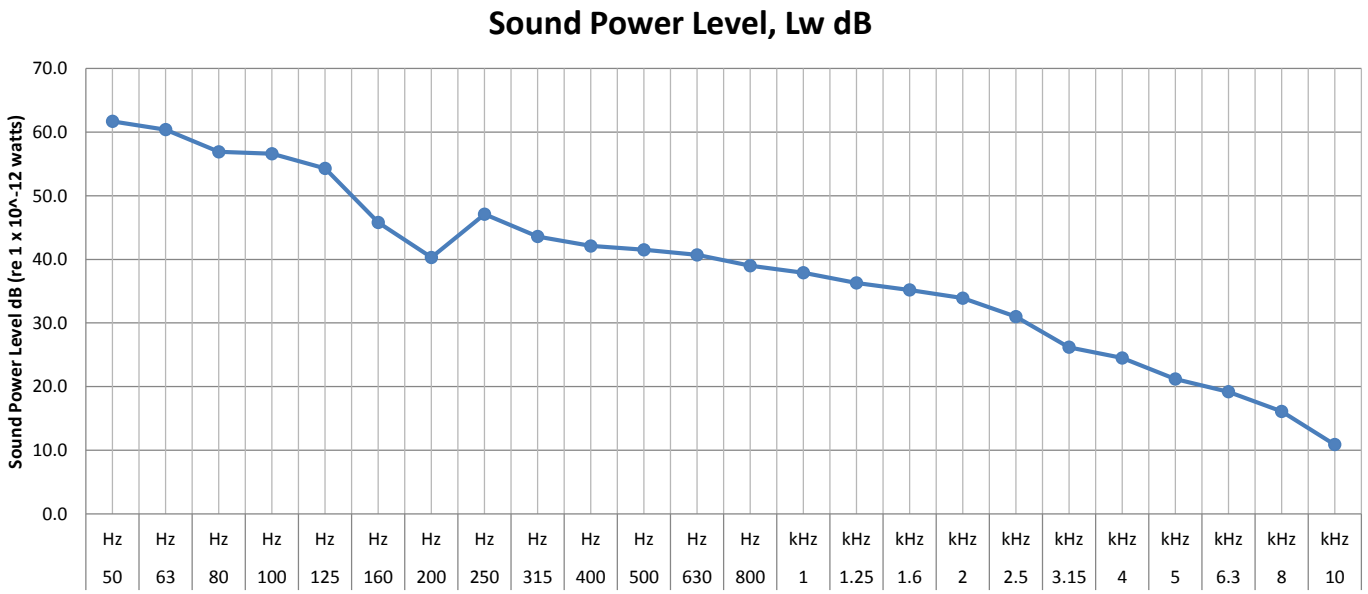
Specific Parameters

Standard Air Volume 600 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	61.7	60.4	56.9	56.6	54.3	45.8	40.3	47.1	43.6	42.1	41.5	40.7	39.0	37.9	36.3	35.2	33.9	31.0	26.2	24.5	21.2	19.2	16.1	10.9
Induct Lw dB		64.9			58.8			49.3			46.2			42.6			38.5			29.2			21.3	
LW Total		66.0	dB (re 1 x 10^-12 watts)																					
LW (A) Total		49.4	dB																					



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Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0018

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP00154SPH-E **UNIT SETTINGS** Standard / High

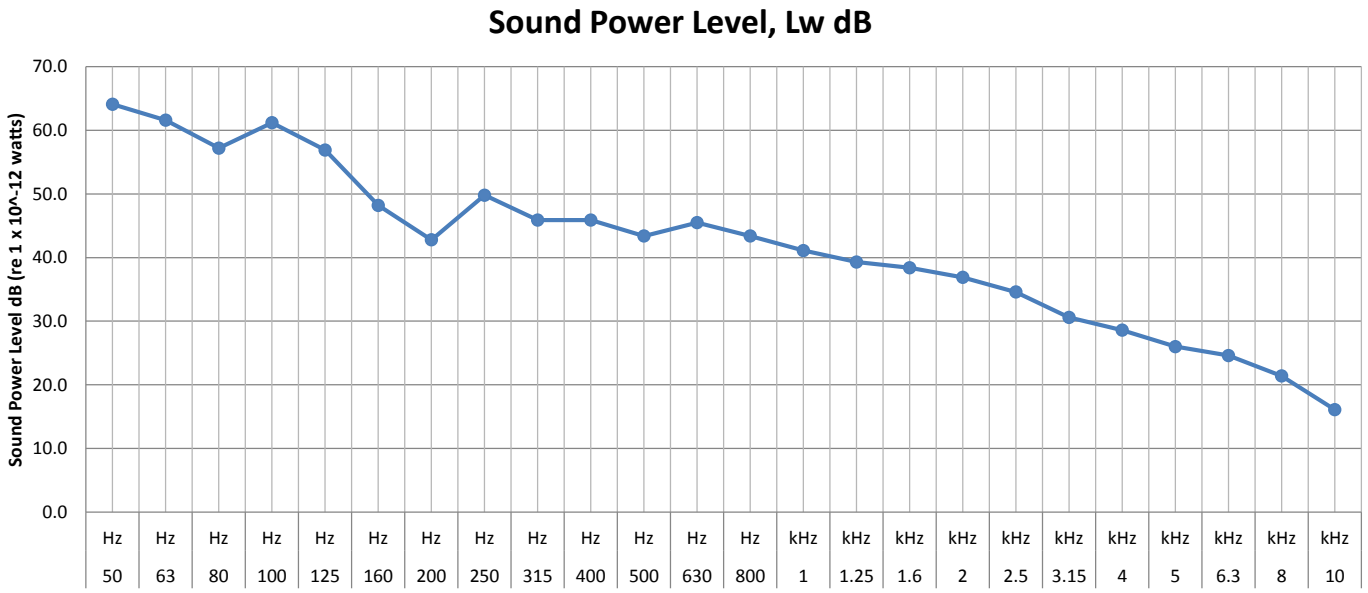
Specific Parameters

Standard Air Volume 690 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	64.1	61.6	57.2	61.2	56.9	48.2	42.8	49.8	45.9	45.9	43.4	45.5	43.4	41.1	39.3	38.4	36.9	34.6	30.6	28.6	26.0	24.6	21.4	16.1
Induct Lw dB		66.6			62.7			51.9			49.8			46.4			41.7			33.6			26.7	
LW Total		68.3	dB (re 1 x 10^-12 watts)																					
LW (A) Total		52.8	dB																					



Data Sheet Produced By **Signed** **Date**

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Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0019

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0244SPH-E **UNIT SETTINGS** Standard / Low

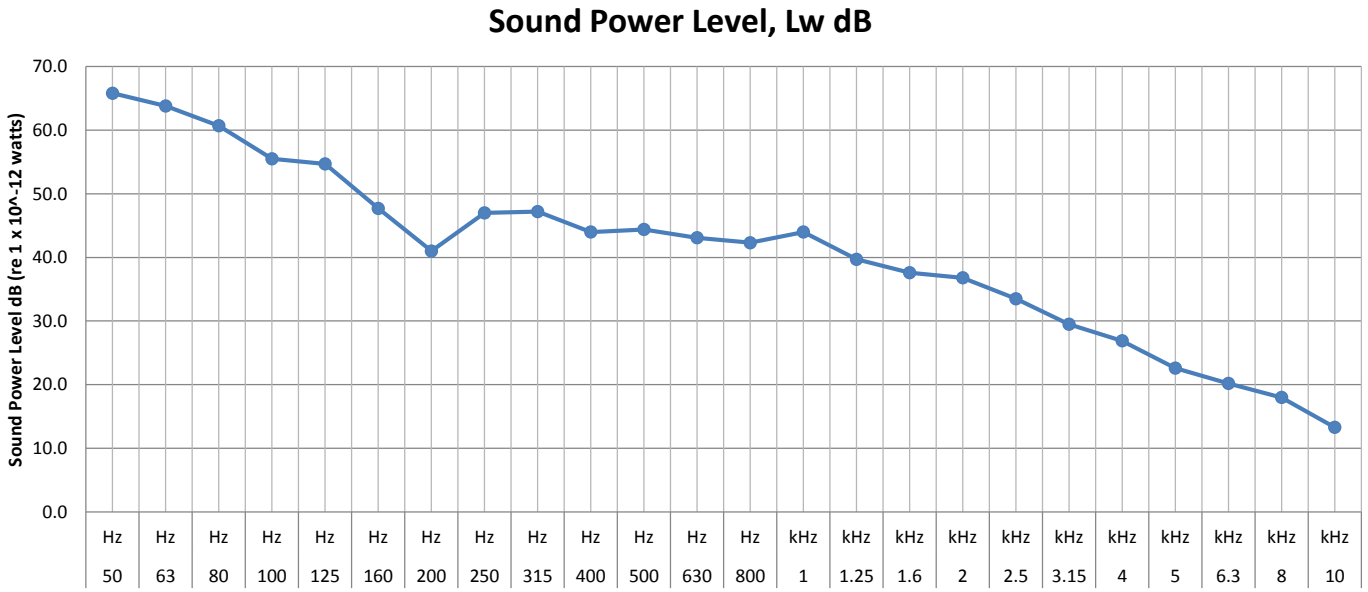
Specific Parameters

Standard Air Volume 900 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	65.8	63.8	60.7	55.5	54.7	47.7	41.0	47.0	47.2	44.0	44.4	43.1	42.3	44.0	39.7	37.6	36.8	33.5	29.5	26.9	22.6	20.2	18.0	13.3
Induct Lw dB		68.7			58.5			50.6			48.6			47.1			41.1			31.9			22.8	
LW Total		69.2	dB (re 1 x 10^-12 watts)																					
LW (A) Total		52.0	dB																					



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08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0020

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0244SPH-E **UNIT SETTINGS** Standard / Medium

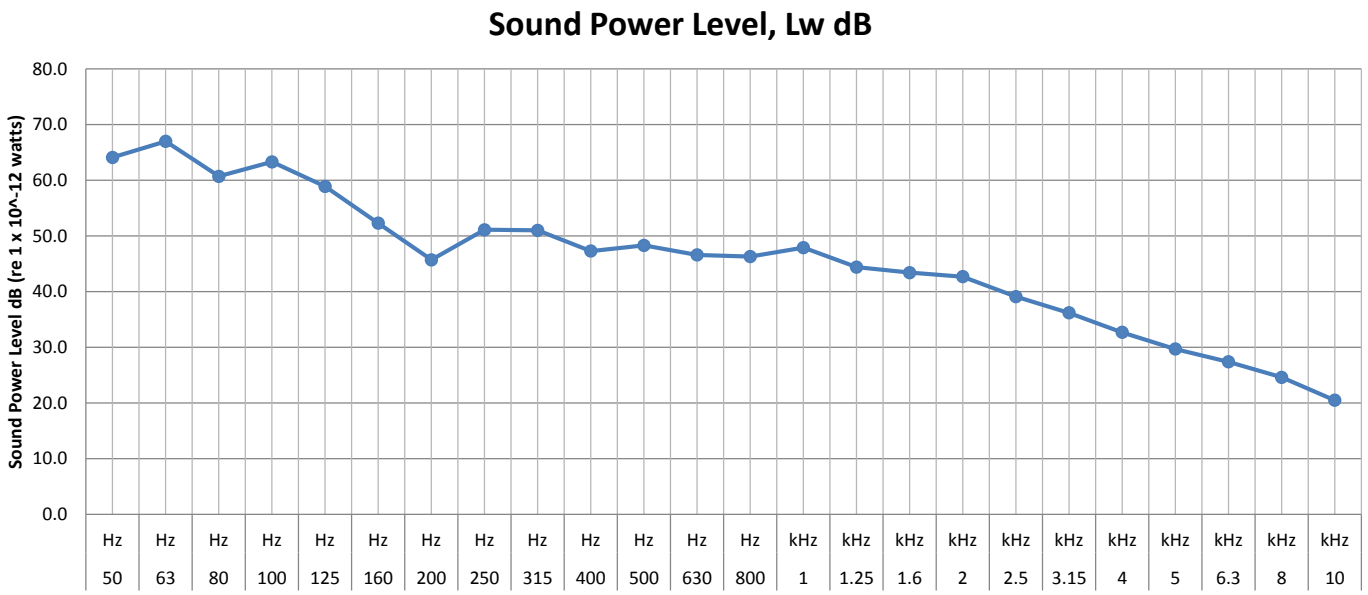
Specific Parameters

Standard Air Volume 1000 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	64.1	67.0	60.7	63.3	58.9	52.3	45.7	51.1	51.0	47.3	48.3	46.6	46.3	47.9	44.4	43.4	42.7	39.1	36.2	32.7	29.7	27.4	24.6	20.5
Induct Lw dB		69.4			64.9			54.7			52.2			51.2			46.9			38.4			29.8	
LW Total		71.0	dB (re 1 x 10^-12 watts)																					
LW (A) Total		56.3	dB																					



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Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0021

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0244SPH-E **UNIT SETTINGS** Standard /High

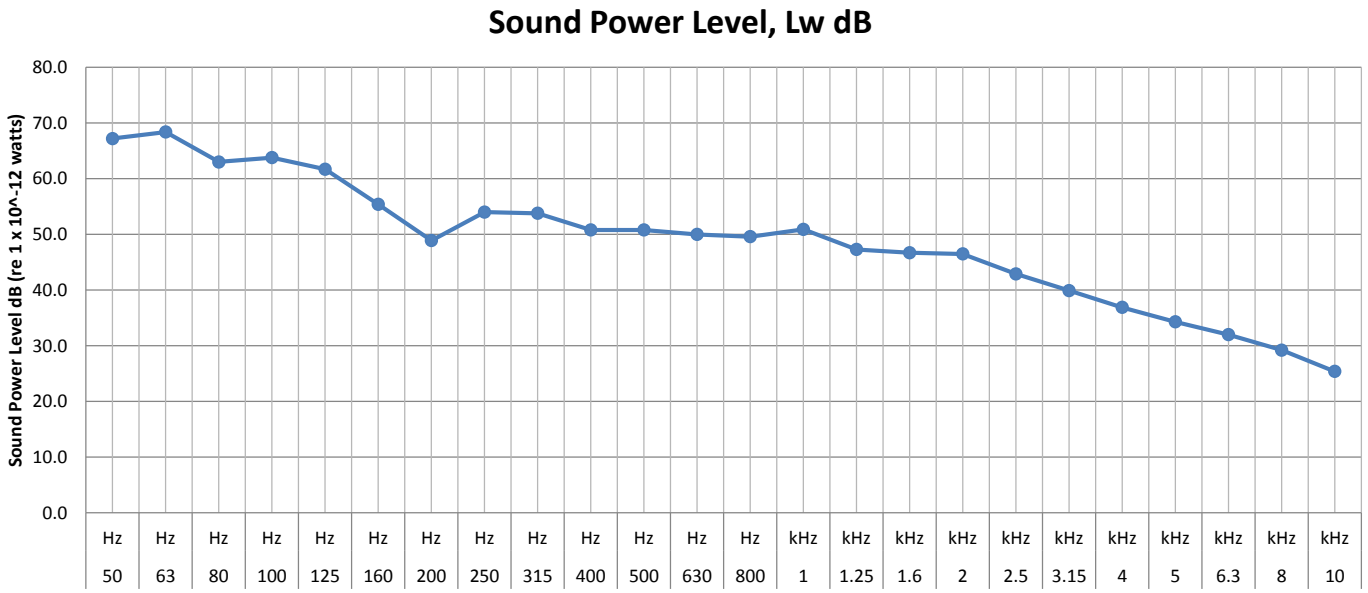
Specific Parameters

Standard Air Volume 1080 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	67.2	68.4	63.0	63.8	61.7	55.4	48.9	54.0	53.8	50.8	50.8	50.0	49.6	50.9	47.3	46.7	46.5	42.9	39.9	36.9	34.3	32.0	29.2	25.4
Induct Lw dB		71.5			66.3			57.5			55.3			54.3			50.5			42.4			34.4	
LW Total		72.9	dB (re 1 x 10^-12 watts)																					
LW (A) Total		59.1	dB																					



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Paul Horsley MIOA **Paul Horsley Acoustics Ltd** **1 Upper Lane, Gomersal, BD19 4JD** **Tel - 01274 879 020**		08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0022

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0244SPH-E **UNIT SETTINGS** Standard / Low

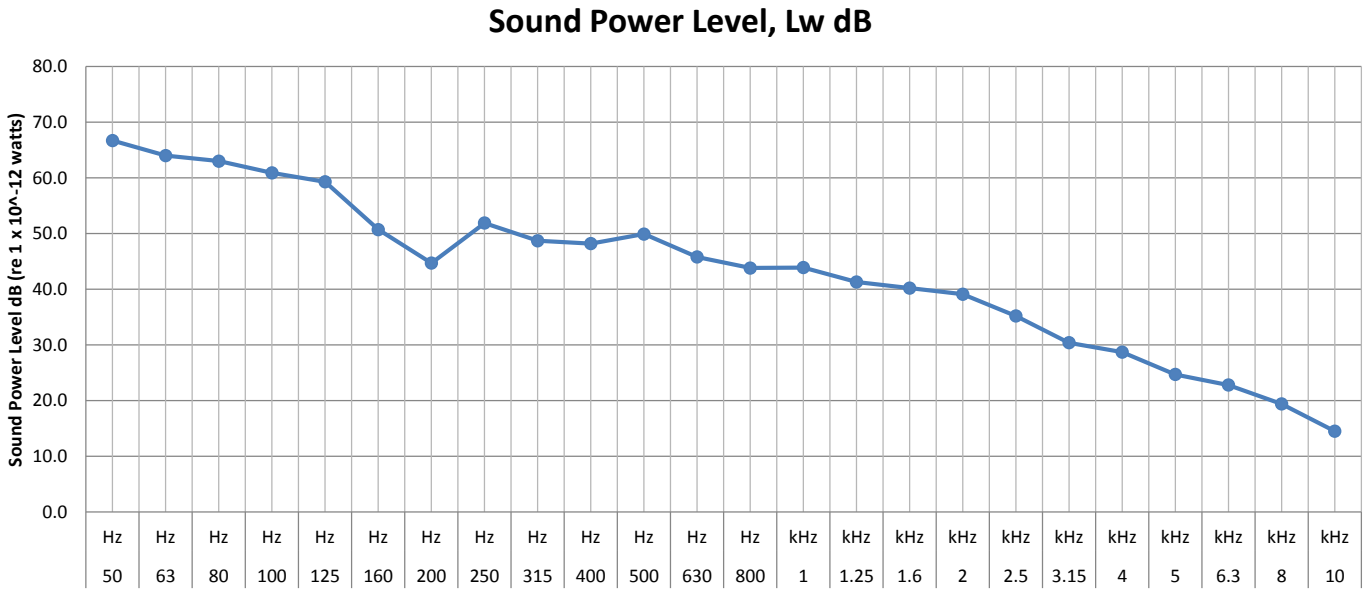
Specific Parameters

Standard Air Volume 900 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	66.7	64.0	63.0	60.9	59.3	50.7	44.7	51.9	48.7	48.2	49.9	45.8	43.8	43.9	41.3	40.2	39.1	35.2	30.4	28.7	24.7	22.8	19.4	14.5
Induct Lw dB		69.6			63.4			54.1			53.0			47.9			43.4			33.3			24.9	
LW Total		70.7	dB (re 1 x 10^-12 watts)																					
LW (A) Total		54.8	dB																					



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CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0023

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0244SPH-E **UNIT SETTINGS** Standard / Medium

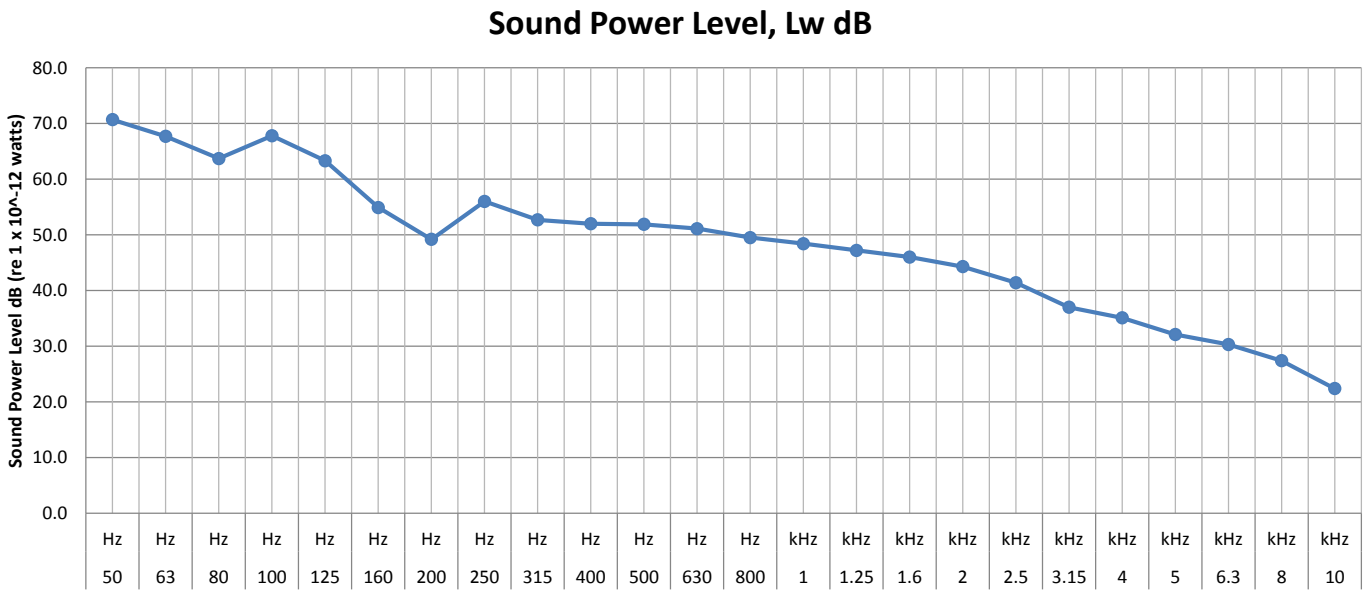
Specific Parameters

Standard Air Volume 1000 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	70.7	67.7	63.7	67.8	63.3	54.9	49.2	56.0	52.7	52.0	51.9	51.1	49.5	48.4	47.2	46.0	44.3	41.4	37.0	35.1	32.1	30.3	27.4	22.4
Induct Lw dB		73.0			69.3			58.2			56.5			53.2			49.1			39.9			32.5	
LW Total		74.8	dB (re 1 x 10^-12 watts)																					
LW (A) Total		59.5	dB																					



Data Sheet Produced By	Signed	Date
Paul Horsley MIOA **Paul Horsley Acoustics Ltd** **1 Upper Lane, Gomersal, BD19 4JD** **Tel - 01274 879 020**		08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0024

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0244SPH-E **UNIT SETTINGS** Standard /High

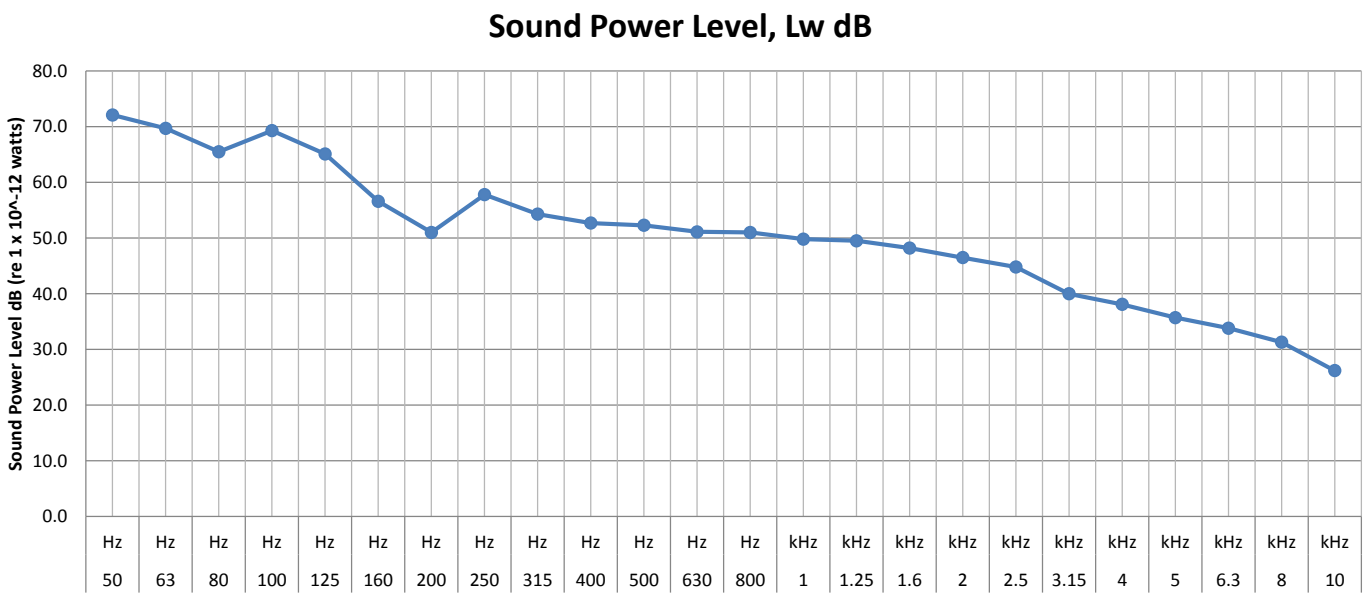
Specific Parameters

Standard Air Volume 1080 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	72.1	69.7	65.5	69.3	65.1	56.6	51.0	57.8	54.3	52.7	52.3	51.1	51.0	49.8	49.5	48.2	46.5	44.8	40.0	38.1	35.7	33.8	31.3	26.2
Induct Lw dB		74.6			70.9			60.0			56.9			54.9			51.5			43.0			36.2	
LW Total		76.3	dB (re 1 x 10^-12 watts)																					
LW (A) Total		61.0	dB																					



Data Sheet Produced By **Signed** **Date**

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08.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 09/10/2014

DATA SHEET No J2303-0025

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0274SPH-E **UNIT SETTINGS** Standard / Low

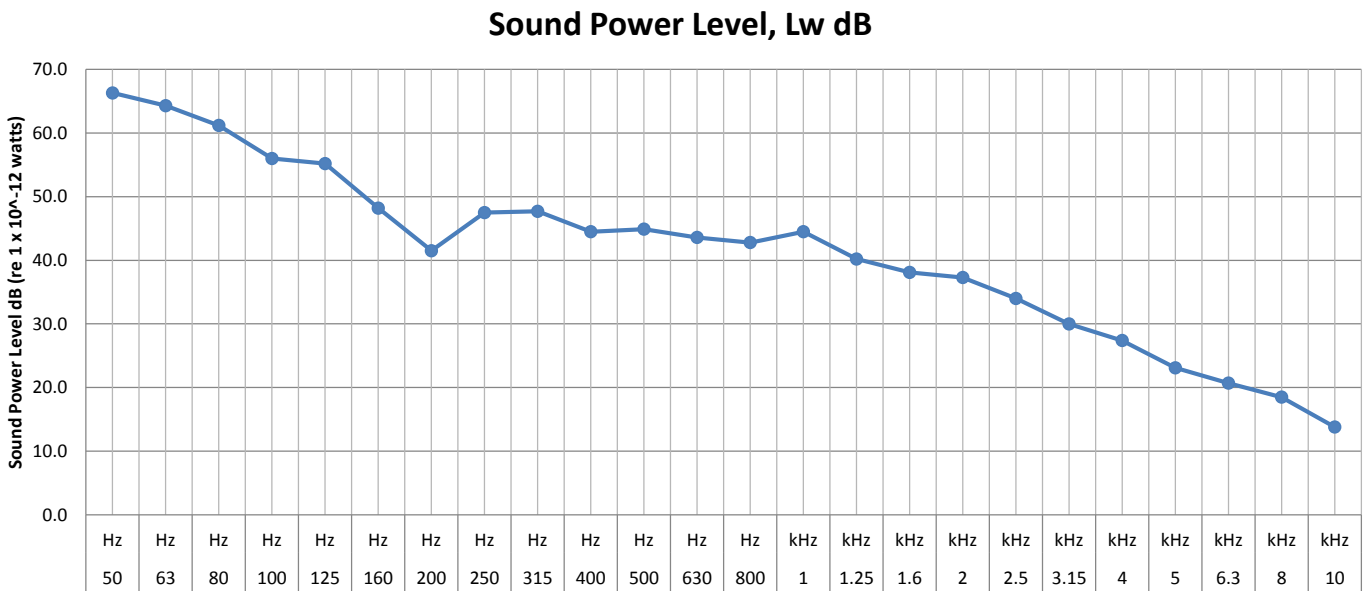
Specific Parameters

Standard Air Volume 900 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	66.3	64.3	61.2	56.0	55.2	48.2	41.5	47.5	47.7	44.5	44.9	43.6	42.8	44.5	40.2	38.1	37.3	34.0	30.0	27.4	23.1	20.7	18.5	13.8
Induct Lw dB		69.2			59.0			51.1			49.1			47.6			41.6			32.4			23.3	
LW Total		69.7	dB (re 1 x 10^-12 watts)																					
LW (A) Total		52.5	dB																					



Data Sheet Produced By **Signed** **Date**

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CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 09/10/2014

DATA SHEET No J2303-0026

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0274SPH-E **UNIT SETTINGS** Standard / Medium

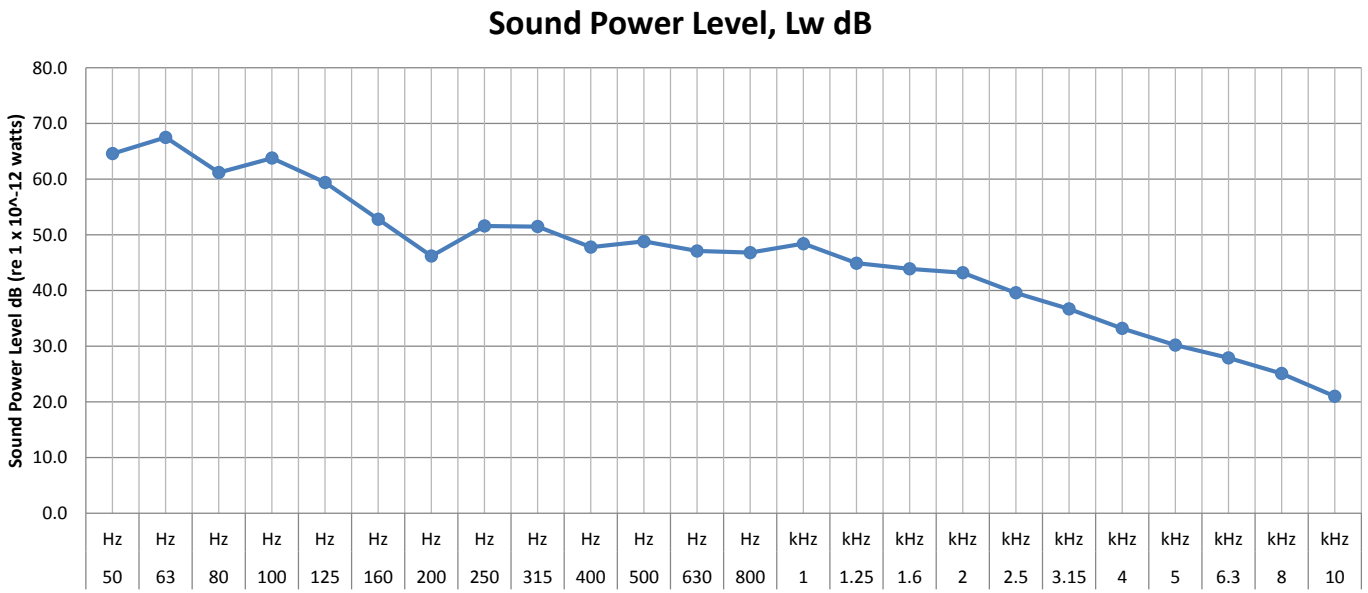
Specific Parameters

Standard Air Volume 1000 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	64.6	67.5	61.2	63.8	59.4	52.8	46.2	51.6	51.5	47.8	48.8	47.1	46.8	48.4	44.9	43.9	43.2	39.6	36.7	33.2	30.2	27.9	25.1	21.0
Induct Lw dB		69.9			65.4			55.2			52.7			51.7			47.4			38.9			30.3	
LW Total		71.5	dB (re 1 x 10^-12 watts)																					
LW (A) Total		56.8	dB																					



Data Sheet Produced By	Signed	Date
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Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 08/10/2014

DATA SHEET No J2303-0027

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0274SPH-E **UNIT SETTINGS** Standard / High

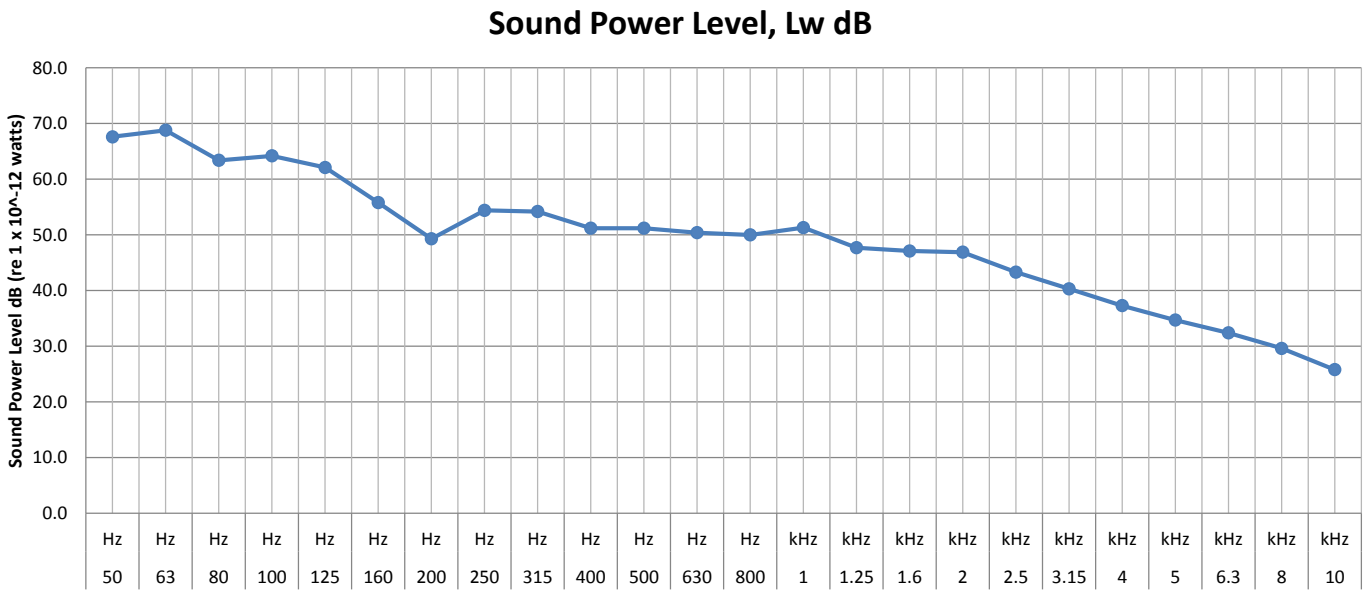
Specific Parameters

Standard Air Volume 1080 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - FRESH AIR INTAKE

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	67.6	68.8	63.4	64.2	62.1	55.8	49.3	54.4	54.2	51.2	51.2	50.4	50.0	51.3	47.7	47.1	46.9	43.3	40.3	37.3	34.7	32.4	29.6	25.8
Induct Lw dB		71.9			66.7			57.9			55.7			54.7			50.9			42.8			34.8	
LW Total		73.3	dB (re 1 x 10^-12 watts)																					
LW (A) Total		59.5	dB																					



Data Sheet Produced By **Signed** **Date**

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09.10.14

Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 09/10/2014

DATA SHEET No J2303-0028

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0274SPH-E **UNIT SETTINGS** Standard / Low

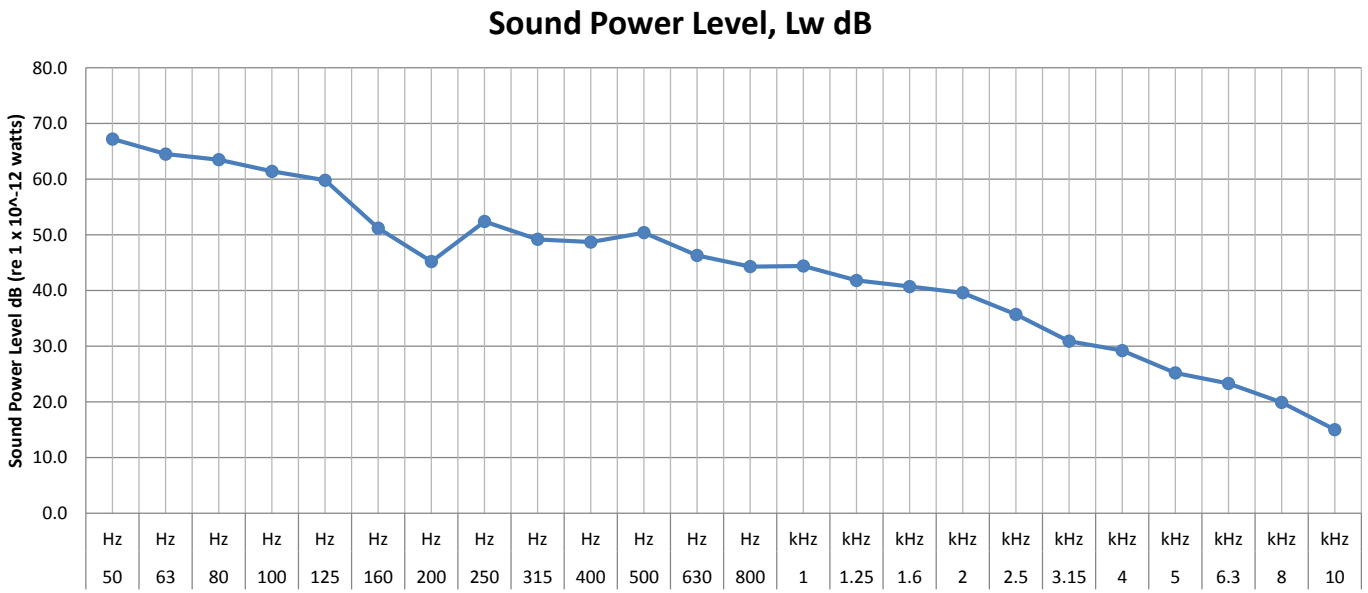
Specific Parameters

Standard Air Volume 900 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	67.2	64.5	63.5	61.4	59.8	51.2	45.2	52.4	49.2	48.7	50.4	46.3	44.3	44.4	41.8	40.7	39.6	35.7	30.9	29.2	25.2	23.3	19.9	15.0
Induct Lw dB		70.1			63.9			54.6			53.5			48.4			43.9			33.8			25.4	
LW Total		71.2	dB (re 1 x 10^-12 watts)																					
LW (A) Total		55.3	dB																					



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Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 09/10/2014

DATA SHEET No J2303-0029

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0274SPH-E **UNIT SETTINGS** Standard / Medium

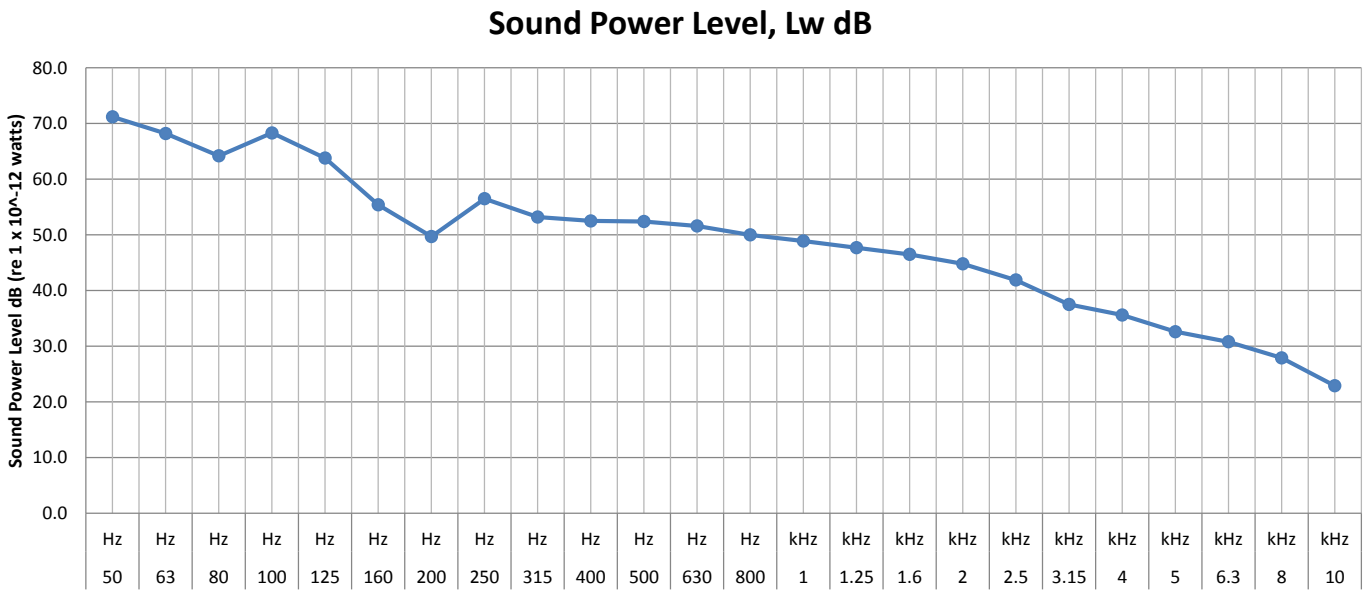
Specific Parameters

Standard Air Volume 1000 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	71.2	68.2	64.2	68.3	63.8	55.4	49.7	56.5	53.2	52.5	52.4	51.6	50.0	48.9	47.7	46.5	44.8	41.9	37.5	35.6	32.6	30.8	27.9	22.9
Induct Lw dB		73.5			69.8			58.7			57.0			53.7			49.6			40.4			33.0	
LW Total		75.3	dB (re 1 x 10^-12 watts)																					
LW (A) Total		60.0	dB																					



Data Sheet Produced By **Signed** **Date**

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Paul Horsley Acoustics Ltd
Acoustics & Noise Control Consultancy

CLIENT Toshiba Air Conditioning (UK) Ltd

DATE 09/10/2014

DATA SHEET No J2303-0030

DETERMINATION OF INDUCT SOUND POWER LEVEL IN ACCORDANCE WITH BS EN ISO 5136:2009

Model Reference Toshiba MMD-AP0274SPH-E **UNIT SETTINGS** Standard /High

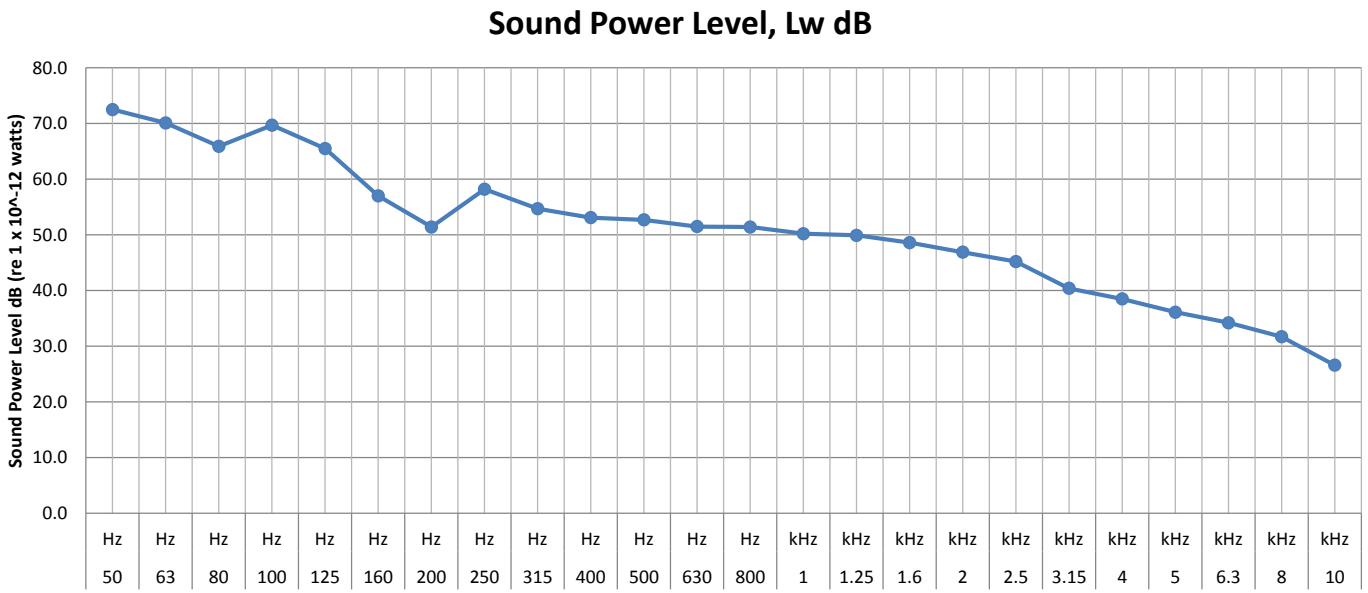
Specific Parameters

Standard Air Volume 1080 cu.m/hr

Standard Operating Pressure 10 Pa

INDUCT SOUND POWER LEVEL - SUPPLY AIR

Frequency	50	63	80	100	125	160	200	250	315	400	500	630	800	1	1.3	1.6	2	2.5	3.2	4	5	6.3	8	10
	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	Hz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Lw (1/3) dB	72.5	70.1	65.9	69.7	65.5	57.0	51.4	58.2	54.7	53.1	52.7	51.5	51.4	50.2	49.9	48.6	46.9	45.2	40.4	38.5	36.1	34.2	31.7	26.6
Induct Lw dB		75.0			71.3			60.4			57.3			55.3			51.9			43.4			36.6	
LW Total		76.7	dB (re 1 x 10^-12 watts)																					
LW (A) Total		61.4	dB																					



Data Sheet Produced By **Signed** **Date**

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