

Bare Exhaust Sound Pressure Level Data

BARE EXHAUST SOUND PRESSURE LEVEL DATA												
ENGINE MODEL	RPM	BMEP (PSI)	DB(A)	OCTAVE BAND FREQUENCY (HZ)								
				31.5	63	125	250	500	1000	2000	4000	8000
F1197G	1000	126	110	107	120	106	101	105	105	105	100	—
	1200	120	110	95	117	111	105	105	105	104	102	—
	1500	114	112	90	111	103	104	106	106	107	104	—
	1800	103	114	93	111	115	113	107	108	108	105	—
F11G	1000	97	106	107	119	111	103	97	100	101	96	97
	2000	97	105	93	110	122	116	113	112	108	104	97
F11GSID	1000	180	99	—	—	—	—	—	—	—	—	—
	1200	180	101	—	—	—	—	—	—	—	—	—
	1400	180	103	—	—	—	—	—	—	—	—	—
	1600	180	103	—	—	—	—	—	—	—	—	—
	1800	180	104	—	—	—	—	—	—	—	—	—
F18GSID	1500	150	111	92	100	106	104	108	106	103	97	89
	1500	170	112	93	101	107	104	109	107	105	98	90
	1600	150	112	92	100	105	105	111	107	104	98	90
	1800	150	112	91	100	107	105	109	108	106	100	92
	1800	170	114	93	100	108	105	110	109	107	102	94
F18GL/GLD	1500	145	106	92	110	112	108	102	102	92	82	70
F18GLD/2	1500	200	110	—	108	114	112	105	106	96	85	74
H24G	1200	108	111	—	120	118	116	105	102	105	101	96
	1800	99	106	—	115	124	118	108	106	108	105	101
H24GSID	1500	150	111	92	100	106	104	108	106	103	97	89
	1500	170	112	93	101	107	104	109	107	105	98	90
	1600	150	112	92	100	105	105	111	107	104	98	90
	1800	150	112	91	100	107	105	109	108	106	100	92
	1800	170	114	93	100	108	105	110	109	107	102	94
H24GL/GLD	1500	150	113	—	101	113	115	109	109	102	92	88
	1800	150	117	—	101	116	123	109	109	103	93	83
H24GLD/2	1500	200	110	—	103	114	112	105	106	97	86	74



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ENGINE MODEL	RPM	BMEP (PSI)	DB(A)	OCTAVE BAND FREQUENCY (HZ)								
				31.5	63	125	250	500	1000	2000	4000	8000
L36GL/GLD LOW SPEED	1000	80	97	85	102	112	100	90	87	79	77	62
	1000	150	97	89	104	115	104	95	88	82	78	64
	1200	80	96	94	110	111	103	92	85	80	74	59
	1200	160	99	93	108	116	106	95	91	84	78	60
	1200	184	99	91	105	115	105	97	93	84	82	61
	1400	80	101	92	107	120	106	93	85	80	74	60
	1400	160	103	96	108	121	111	99	92	85	80	63
	1400	184	102	96	105	119	111	99	97	89	87	64
	1600	80	99	94	102	119	107	96	86	80	75	57
	1600	160	104	93	102	120	109	102	97	89	82	66
	1600	184	104	103	100	113	115	103	99	92	83	65
L36GL/GLD HIGH SPEED	1200	50	102	94	112	117	106	94	89	83	71	57
	1200	145	103	96	107	111	105	100	101	93	82	69
	1500	50	102	97	98	112	106	97	94	87	77	63
	1500	75	103	92	101	113	107	101	98	91	80	34
	1500	100	104	91	102	113	107	101	100	92	82	67
	1500	125	105	92	102	113	108	102	101	93	83	68
	1500	150	106	93	103	113	110	103	102	94	84	69
	1500	160	106	94	104	113	110	103	102	94	85	69
	1500	165	107	95	105	113	110	103	102	96	86	70
	1500	176	107	95	106	114	111	104	102	96	86	70
	1800	50	110	92	107	121	113	102	98	89	79	65
	1800	150	110	95	111	119	117	107	102	96	87	72
	1800	176	111	99	110	123	114	108	105	100	91	74
L36GLD/2	1500	200	109	--	106	115	112	104	103	97	86	72
P48GL/GLD	650	IDLE	95	102	105	110	101	86	83	71	61	52
	1200	50	105	94	111	120	110	97	94	87	74	63
	1200	75	105	93	111	120	107	98	97	92	78	65
	1200	100	106	93	111	118	108	100	100	93	84	67
	1500	50	104	93	101	115	108	98	96	88	76	63
	1500	150	108	97	103	120	110	102	101	97	89	71
	1500	175	109	101	105	122	111	105	103	98	90	72
	1800	50	108	92	103	120	115	104	100	93	78	67
	1800	150	111	95	104	121	117	107	102	96	86	71
	1800	170	112	97	104	121	118	108	104	98	87	75
P48GLD/2	1500	200	111	--	107	122	112	107	104	98	90	74
F2895G	1000	101	119	--	--	--	--	--	--	--	--	--
F2895GSI	1200	160	121	--	121	127	121	118	116	110	105	105
F2895GL	1200	138	112	--	120	121	111	108	106	98	88	78



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				31.5	63	125	250	500	1000	2000	4000	8000
F3521G	1000	101	118	—	—	—	—	—	—	—	—	—
	1200	100	104	—	—	—	—	—	—	—	—	—
F3521GSI	1000	138	120	—	—	—	—	—	—	—	—	—
	1200	119	121	—	121	127	121	118	116	110	105	105
F3524GSI	800	80	101	116	110	112	106	96	95	91	79	65
	800	158	106	115	110	112	108	102	100	95	84	70
	800	173	106	115	110	117	109	104	103	95	86	73
	1000	80	105	101	119	115	106	101	96	91	79	65
	1000	158	110	104	120	116	109	105	103	96	86	71
	1000	173	110	104	120	116	110	106	104	97	87	73
	1200	80	106	105	114	116	110	102	97	91	82	65
	1200	158	110	107	114	115	110	107	106	98	88	72
	1200	173	111	106	113	115	110	108	107	99	89	74
L5108G	1200	100	123	103	124	125	121	120	119.5	116	108	102
L5108GSI	1200	139	125	—	124	130	125	122	120	115	110	110
L5108GL	1000	132	124	102	122	123	120	118	118	115	106	102
L5790G	1200	69	124	—	—	—	—	—	—	—	—	—
L5794GSI	800	80	104	90	114	111	108	97	95	92	81	71
	800	173	107	94	114	113	108	104	100	99	90	77
	1000	120	106	95	120	110	107	103	99	94	85	71
	1000	173	108	96	119	111	109	106	102	100	92	79
	1200	120	109	99	119	120	110	103	97	93	85	73
	1200	173	112	100	118	120	110	107	102	99	92	79
L5774LT / L5794LT	1000	80	102	92	116	108	105	100	95	94	82	68
	1000	140	104	96	117	108	107	100	92	87	78	65
	1000	165	106	97	117	109	108	102	98	98	89	75
	1000	180	106	97	117	109	108	103	99	98	89	75
	1200	80	107	96	118	119	105	102	98	96	86	73
	1200	140	108	99	117	116	110	104	101	100	89	76
	1200	165	109	101	117	116	110	105	99	99	88	75
	1200	180	107	101	117	116	110	106	101	100	89	75
L7042G	1000	99	124	103	124	125	121	120	120	116	108	102
	1200	96	124	—	—	—	—	—	—	—	—	—
L7042GSI	1000	139	112	—	121	116	114	109	106	100	100	94
	1200	145	124	—	124	123	121	120	120	116	108	—



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ENGINE MODEL	RPM	BMEP (PSI)	DB(A)	OCTAVE BAND FREQUENCY (HZ)								
				31.5	63	125	250	500	1000	2000	4000	8000
L7044GSI	800	80	102	92	105	108	103	94	88	83	75	62
	800	158	105	98	108	111	104	100	93	90	86	70
	800	173	104	95	108	110	105	102	98	92	88	72
	1000	80	99	96	113	111	101	96	93	85	73	60
	1000	158	103	—	—	—	—	—	—	—	—	—
	1000	173	105	102	110	112	107	106	104	91	89	72
	1200	80	102	96	110	114	104	99	93	84	77	63
	1200	158	111	103	111	114	110	104	96	90	82	71
	1200	173	113	103	111	113	112	108	106	99	92	74
L7042GL	1200	145	112	—	121	116	114	109	106	100	100	96
P9390GSI	1200	129	130	124	129	135	130	126	125	120	115	115
P9390GL	1200	138	112	—	121	115	114	108	106	100	100	—
APG* 16V150LTD	1500	250	101	97	107	114	104	95	87	88	86	65
	1800	230	108	88	103	118	112	103	96	90	89	68
8L-AT27GL	800	190	109	114	119	112	110	104	102	97	86	72
	900	190	110	106	118	116	110	104	104	99	88	74
	900	209	110	106	119	116	110	105	104	100	89	74
	1000	190	112	106	120	113	111	104	101	98	89	74
	1000	209	113	107	120	112	111	104	102	99	90	76
12V-AT27GL	800	190	110	105	117	111	107	105	107	102	90	75
	900	190	111	107	115	114	109	106	108	102	91	77
	900	209	112	103	120	109	108	106	107	103	92	78
	1000	190	111	103	120	109	107	105	107	102	89	76
	1000	209	111	108	115	113	109	107	107	102	92	78
16V-AT27GL	750	190	108	104	114	109	110	103	96	92	86	72
	750	209	108	105	116	110	112	105	102	99	91	75
	900	190	109	107	116	110	110	107	104	101	92	75
	900	209	110	106	115	110	109	107	106	103	94	75
	1000	48	97	110	111	106	99	86	86	87	79	75
	1000	160	112	112	114	111	109	106	108	105	96	75
	1000	220	115	110	113	111	108	108	111	110	100	80
12V220GL	1200	129	104	107	110	115	104	97	97	95	89	102
	1200	194	105	110	108	116	105	100	100	98	93	99
	1200	232	109	109	109	117	107	102	103	101	96	97
	1200	258	109	108	108	116	106	102	105	102	95	92
	1500	117	101	101	106	114	105	93	91	89	82	95
	1500	175	103	102	106	115	107	95	93	91	85	89
	1500	210	104	103	106	115	107	96	93	92	86	92
	1500	233	104	103	106	115	107	97	94	93	86	90



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				31.5	63	125	250	500	1000	2000	4000	8000
18V220GL	1200	129	105	108	111	116	105	97	98	96	90	103
	1200	194	105	110	109	117	106	100	101	99	94	100
	1200	232	110	110	110	118	108	103	104	102	97	98
	1200	258	110	109	109	117	107	103	105	103	96	92
	1500	117	102	102	107	115	106	94	92	90	83	96
	1500	175	104	103	107	115	108	96	94	92	86	90
	1500	210	105	104	107	115	108	97	94	93	87	93
	1500	233	105	104	107	115	107	98	95	94	87	90

NOTES:

1. Low level background noise from cooling tower fans is included.
2. Microphone position is 1 meter (3.3 ft) away and 1 meter (3.3 ft) to the side of the exhaust outlet.
3. Due to variation between test conditions and final site conditions, such as exhaust configuration and background sound level, sound pressure levels under site conditions may be different than those tabulated above.
4. For additional information, or information on engine models not listed above, contact Waukesha's Application Engineering Department.

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