

PME	% Operation	Corr, dB(A)	Unmitigated SWLs				Quiet Plant				Mitigated Scenario					
			ID	Description	Power rating Size, weight	PME SWL, dB(A)	Unmitigated SWL, dB(A)	ID	Power rating Size, weight	PME SWL, dB(A)	Quiet Plant SWL, dB(A)	Enclosure, dB(A)	Barrier, dB(A)	Acoustic Mat, dB(A)	Total Reduction, dB(A)	Mitigated SWL, dB(A)
Air compressor (CNP002) (100%)	100	0	CNP002	Air compressor, air flow > 10m3/min and =< 30 m3/min	-	102	102				102	-15			-15	87
Air Compressor (CNP003) (100%)	100	0	CNP003	Air compressor, air flow > 30m3/min	-	104	104				104	-15			-15	89
Asphalt Paver (CNP004) (100%)	100	0	CNP004	Asphalt paver	-	109	109	OPME+		104	104		-5		-5	99
Breaker, handheld (CNP023) (100%)	100	0	CNP023	Breaker, hand held, mass < 15kg	-	102	102				102		-10		-10	92
Breaker, handheld (CNP024) (100%)	100	0	CNP024	Breaker, hand held, mass > 10kg and < 20 kg	-	108	108				108		-10		-10	98
Bar Bender, Cutter (CNP021) (100%)	100	0	CNP021	Bar bender and cutter (electric)	-	90	90				90				0	90
Breaker (CNP025) (100%)	100	0	CNP025	Breaker, hand held, masss >= 20kg and =< 35 kg	-	111	111				111		-5		-5	106
Bulldozer (CNP030) (100%)	100	0	CNP030	Bulldozer	-	115	115	OPME+		106	106		-5		-5	101
Concrete Lorry Mixer (CNP044) (70%)	70	-2	CNP044	Concrete lorry mixer	-	109	107				107		-5		-5	102
Concrete Lorry Mixer (CNP044) (100%)	100	0	CNP044	Concrete lorry mixer	-	109	109				109		-5		-5	104
Concrete pump (CNP047) (100%)	100	0	CNP047	Concrete pump, stationary / lorry mounted	-	109	109	CPME#	Concrete Pump (electric)	109	109	-15			-15	94
Mobile Crane (CNP048) (100%)	100	0	CNP048	Crane, mobile / barge mounted (diesel)	-	112	112	OPME+		103	103		-5		-5	98
Gantry Gribder, mobile (CNP048) (100%)	100	0	CNP048	Crane, mobile / barge mounted (diesel)	-	112	112	OPME+		102	102		-5		-5	97
Crane Mobile (100%)	100	0	CNP048	Crane, mobile / barge mounted (diesel)	-	112	112	OPME+		103	103		-5		-5	98
Compactor, Vibratory (CNP050) (100%)	100	0	CNP050	Compactor, vibratory	-	105	105				105		-5		-5	100
Dump Truck (CNP067) (70%)	70	-2	CNP067	Dump Truck	-	117	115	CPME#		105	103		-5		-5	98
Truck (CNP067) (100%)	100	0	CNP067	Dump Truck	-	117	117	CPME#		105	105		-5		-5	100
Drill Rig, Rotary Type (Diesel) (100%)	100	0	CNP072	Drill rig, rotary typr (diesel)	-	110	110				110			-10	-10	100
Backhoe (CNP 081) (100%)	100	0	CNP081	Excavator / loader, wheeled / tracked	-	112	112	OPME+		95	95		-5		-5	90
Excavator (CNP081) (100%)	100	0	CNP081	Excavator / loader, wheeled / tracked	-	112	112	OPME+		95	95		-5		-5	90
Mini Backhoe (100%)	100	0	CNP082	Excavator, mini-robot mounted	-	94	94				94		-5		-5	89
Generator (CNP102) (100%)	100	0	CNP102	Generator, silenced, 75dB(A) at 7m	-	100	100	OPME+		90	90	-15			-15	75
Generator (CNP103) (100%)	100	0	CNP103	Generator, super silenced, 70dB(A) at 7m	-	95	95	OPME+		90	90	-15			-15	75
Generator (CNP101) (100%)	100	0	CNP101	Generator, standard	-	108	108	OPME+		90	90	-15			-15	75
Grout Mixer (100%)	100	0	CNP105	Grout mixer	-	90	90				90	-15			-15	75
Grout Pump (100%)	100	0	CNP106	Grout pump	-	105	105				105		-5		-5	100
Hoist, Petrol (CNP123) (100%)	100	0	CNP123	Hoist, passenger / material (petrol)	-	104	104				104		-5		-5	99
Lorry With Grab (CNP141) (100%)	100	0	CNP141	Lorry	-	112	112	CPME#	5.5 tonnes <gross vehicle weight <38 tonne	105	105		-5		-5	100
Lorry (CNP141) (100%)	100	0	CNP141	Lorry	-	112	112	CPME#	5.5 tonnes <gross vehicle weight <38 tonne	105	105		-5		-5	100
Piling, Large Bored Pile (CNP166) (100%)	100	0	CNP166	Piling, large dia bored, RCD	-	100	100				100		-5		-5	95
Vibratory Poker (CNP170) (100%)	100	0	CNP170	Poker, vibratory, hand held	-	113	113	CPME#	Poker, vibratroy, hand held	102	102		-10		-10	92
Vibrating Hammer (CNP 172) (100%)	100	0	CNP172	Piling, vibrating hammer	-	115	115				115		-5		-5	110
Rock Drill (CNP181) (pneumatic) (100%)	100	0	CNP181	Rock drill, crawler mounted (pneumatic)	-	128	128				128			-10	-10	118
Rock Drill (CNP183) (100%)	100	0	CNP183	Rock drill, hand held (pneumatic)	-	116	116				116		-5		-5	111
Roller (CNP185) (100%)	100	0	CNP185	Road Roller	-	108	108	OPME+		104	104		-5		-5	99
Electric Saw (CNP202) (100%)	100	0	CNP202	Saw, chain, hand-held	-	114	114				114		-5		-5	109
Water pump (CNP281) (Electric) (100%)	100	0	CNP281	Water pump (electric)	-	88	88				88				0	88
Vertical band drain installation rig (100%)	100	0	*		-	112	112				112		-5		-5	107

Note:

* SWL data for Asphalt Paver (CNP004), Bulldozer (CNP030), crane mobile (CNP048), Excavator/Loader, Wheeled/Tracked (CNP081), Generator (CNP 101, 102 and 103) and Roller (CNP185) are based on OPME from EPD's website http://www.epd.gov.hk/cgi-bin/npg/gpme/search_gen.pl?lang=eng&st=sim&smtype=0

The quiet plant SWL data for Concrete pump (CNP047), Dump Truck (CNP067), Dump Truck with Grab, Lorry, with Crane/ Grab, Gross wt. > 38 tonnes (CNP141) and Poker, Vibratory, Hand Held (CNP170) are based on Sound power levels of other commonly used PME from

http://www.epd.gov.hk/epd/english/application_for_licences/guidance/files/OtherSWLe.pdf.

* As the major plant from vertical band drain installation rig would be crane installed with band drain, the SWL of CNP048 is referred.