

Sound power levels of other commonly used PME

Very often, applicants for Construction Noise Permit (CNP) would use some items of Powered Mechanical Equipment (PME) not appearing in Table 3 of the “Technical Memorandum on Noise from Construction Work other than Percussive Piling”. Under section 2.8 of the said Technical Memorandum, the Authority may make use of such sound power level as it considers appropriate for the purpose of CNP application assessment. Here below are some sound power levels of a number of commonly used PME which have been used by the Authority for processing CNP application.

<b>Identification Code</b>	<b>Description</b>	<b>Sound power level dB(A)</b>
--	Agitator (electric)	90
--	Air blower (electric)	95
--	Breaker, mini-robot mounted	115
--	Concrete burster	90
--	Concrete crusher mini-robot mounted	94
--	Concrete crusher, hand held	97
--	Concrete pump (electric)	109
--	Concrete crusher, excavator mounted	103
--	Cutter, circular, steel (electric)	112
--	Dredger, suction	103
--	Drill, hand-held (battery)	89
--	Drill rig, rotary type (diesel)	110
--	Excavator, mini-robot mounted	94
--	Grout mixer	90
--	Grout pump	105
--	Generator, portable	100
--	Jig-saw, hand-held, wood (electric)	99
--	Piling, vibrating hammer	115
--	Poker, vibratory, hand-held (electric)	102
--	Power pack (diesel)	100
--	Power swivel	100
--	Paint line marker (low pressure)	87
--	Paint line remover	104
--	Road grinder (petrol)	108
--	Road sweeper	107
--	Road ripper, mini-robot mounted	97
--	Road ripper, excavator mounted	105
--	Saw, wire	101

Sound power levels of other commonly used PME (cont'd)

Identification Code	Description	Sound power level dB(A)
--	Soil pump	103
--	Water jetting unit (diesel), silenced	94
--	Water jetting unit (diesel), standard	107
--	Lorry, gross vehicle weight > 38 tonne	112
--	Lorry, 5.5 tonne < gross vehicle weight 38 tonne	105
--	Light goods vehicle, gross vehicle weight 5.5 tonne	101
--	Lorry, with crane/grab, gross vehicle weight > 38 tonne	112
--	Lorry, with crane/grab, 5.5 tonne < gross vehicle weight 38 tonne	105
--	Dump truck, gross vehicle weight > 38 tonne	117
--	Dump truck, 5.5 tonne < gross vehicle weight 38 tonne	105
--	Dump truck, with grab, 5.5 tonne < gross vehicle weight 38 tonne	105

## Remarks :

This table is to facilitate the construction industry in CNP application to find out the most appropriate sound power levels for some commonly used powered mechanical equipment which do not appear in Table 3 of the "Technical Memorandum on Noise from Construction Work other than Percussive Piling". The information contained in this table may not be exhaustive and EPD reserves the right to update this table at any time without prior notice.

As the issue of a CNP is a privilege rather than a right, applicants should as far as possible minimize the number of PME involved and make full use of Quality Powered Mechanical Equipment (QPME) under the administrative QPME system in enhancing the chance of carrying out the proposed construction work during the restricted period. Details of the QPME system can be found in the website <http://www.epd.gov.hk/cgi-bin/epd/qpme/index.pl?lang=eng>.