

ONE STOP HIRE GUIDE FOR HAND ARM VIBRATION AND DECIBEL RATING



PLANT DESCRIPTION	M/S2 READING	MAX TRIGGER TIME TO REACH EAV AT 2.5M/S 2	MAX TRIGGER TIME TO REACH ELV AT 5.0M/S2	MAX DAILY USE WITHOUT FURTHER ASSESSMENT	HSE POINTS	NOISE db
CHASING & GRINDING						
HILTI WALL CHASER	3.5M/S2	4	12+	ON GOING	98	
9" ANGLE GRINDER	8.3M/S2	0HRS 43MINS	2HRS 53MINS	INTERMITTENT USE	138	
5" ANGLE GRINDER	7.2M/S2	0HRS 57MINS	3HRS 50MINS	INTERMITTENT USE	105	
DRILLING & BREAKING						
HILTI DIAMOND RIG DD100	0	UN LIMITED	UN LIMITED	ON GOING	0	102
HILTI DIAMOND RIG DD130	0	UN LIMITED	UN LIMITED	ON GOING	0	102
MAKITA 8406 HAND HELD CORE	3.5	4	12+	ON GOING	98	102
MAKITA 1/2" IMPACT GUN	5	2HRS 10MINS	7HRS 30MINS	INTERMITTENT USE	102	108
MAKITA BHR200 24V SDS	12.6M/S2	0HRS 20MINS	1HR 15MINS	LIMITED USE	275	89
BOSCH GBH 24VSDS	15.4M/S2	0HRS 12MINS	0HRS 51MINS	LIMITED USE	450	104
MAKITA BHP 45 18V DRILL	9.8M/S2	0HRS 30MINS	2HRS 16MINS	INTERMITTENT USE	180	87
MAKITA ANGLE DRILL	4.2M/S2	2HRS 55MINS	10HRS +	ON GOING	100	85
HILTI TE-6 SDS	8M/S2	0HRS 35MINS	2HRS 30MINS	INTERMITTENT USE	150	100
MAKITA HR2450 SDS	12.6M/S2	0HRS 20MINS	1HR 15MINS	LIMITED USE	290	103
HILTI TE-2	10M/S2	0HRS 29MINS	1HR 55MINS	LIMITED USE	200	102
HILTI TE56 ATC SDS MAX	6.5M/S2	1HR 12MINS	4HRS 40MINS	INTERMITTENT USE	87.12	102
HILTI TE76 ATC SDS MAX	7	0HRS 57MINS	4HRS 10MINS	INTERMITTENT USE	98	104
HILTI TE-104 L/D BREAKER	8.6M/S2	0HRS 41MINS	2HRS 42MINS	INTERMITTENT USE	147.92	108
MAKITA HM1202C	11	0HRS 21 MINS	1HR 40MINS	LIMITED USE	240	103
MAKITA HM0810 M/D BREAKER	10.5M/S2	0HRS 27MINS	1HR 48MINS	LIMITED USE	222	103
HILTI TE-505 M/D BREAKER	12.9M/S2	0HRS 18MINS	1HR 12MINS	LIMITED USE	332.82	104
MAKITA HR4011C M/D BREAKER	9.1M/S2	0HRS 36MINS	2HRS 25MINS	INTERMITTENT USE	166	104
MAKITA HR3000 SDS @ 12MM	15.57M/S2	0HRS 12MINS	0HRS 50MINS	LIMITED USE	485	98
MAKITA HR5001C M/D BREAKER	11.97M/S2	0HRS 21MINS	1HR 24MINS	LIMITED USE	285	105
HILTI TE706AVR M/D BREAKER	6.6M/S2	1HR 9MINS	4HRS 35MINS	INTERMITTENT USE	87.12	98
HILTI TE-905 H/D BREAKER	9.3M/S2	0HRS 35MINS	2HRS 19MINS	INTERMITTENT USE	172.98	108
MAKITA HM1810 H/D BREAKER	12.36M/S2	0HRS 20MINS	1HR 19MINS	LIMITED USE	298	107
WACKER BH 23 H/D BREAKER	8.5M/S2	0HRS 45MINS	3HRS	INTERMITTENT USE	145	101
JCB HYDRAULIC BREAKER	7M/S2	1HR 1MINS	4HRS 5MINS	INTERMITTENT USE	98	109
MASONRY CUTTING						
CLIPPER BRICK SAW	4.7M/S2	2HRS 20MINS	9HRS	ON GOING	100	114
ARBORTECH WALL SAW	6.9M/S2	1HR 5MINS	4HRS 20MINS	INTERMITTENT USE	98	108
CLIPPER FLOOR SAW	4M/S2	2HRS 55MINS	10 HRS	ON GOING	98	107
STIHL TS410 DISC CUTTER	3.9M/S2	3HRS 35MINS	10HRS +	ON GOING	98	
STIHL TS400 DISC CUTTER	6.6M/S2	1HR 10MINS	4HRS 39MINS	INTERMITTENT USE	86	
COMPACTION EQUIPMENT						
M.B.W 14" COMPACTOR	4.5M/S2	2HRS 40MINS	9HRS 30MINS	ON GOING	100	
M.B.W 16" COMPACTOR	4.3M/S2	2HRS 50MINS	9HRS 50MINS	ON GOING	100	
MBW FWD/REV GRP65	5M/S2	2HRS 10MINS	7HRS 30MINS	INTERMITTENT USE	102	
WACKER 14" COMPACTOR II35	4.5M/S2	2HRS 40MINS	9HRS 30MINS	ON GOING	100	
WACKER 16" COMPACTOR 1340	4.5M/S2	2HRS 40MINS	9HRS 30MINS	ON GOING	100	
WACKER 20" COMPACTOR 1550	4.5M/S2	2HRS 40MINS	9HRS 30MINS	ON GOING	100	
WACKER BS60 UPRIGHT RAMMER	7.6M/S2	0HRS 45MINS	3HRS 30MINS	INTERMITTENT USE	215	96
WACKER BS45 UPRIGHT RAMMER	5.4M/S2	2HRS 20MINS	7HRS 20MINS	INTERMITTENT USE	245	95
WOOD WORKING TOOLS						
PASLODE BRAD NAILER	0	UN LIMITED	UN LIMITED	ON GOING		101
PASLODE FINISHING NAILER	0	UN LIMITED	UN LIMITED	ON GOING		97
FINISHING SANDER	7M/S2	1HR 1MINS	4HRS 5MINS	INTERMITTENT USE	98	85
PALM SANDER	2.5M/S2	5HRS	12HRS+	ON GOING	102	90
HIRETECH FLOOR SANDER HTF2	9M/S2	0HRS 37MINS	2HRS 28MINS	INTERMITTENT USE	162	
HIRETECH HT-8 FLOOR SANDER	1.8M/S2	15HRS 26MINS	OVER 24 HRS	ON GOING	6.48	
MAKITA 9404 BELT SANDER	1.3M/S2	OVER 24 HRS	OVER 24 HRS	ON GOING	4	
MAKITA 4340FCT JIGSAW	13.4M/S2	0HRS 17MINS	1HR 6MINS	LIMITED USE	361	
BOSCH GST 13	3.5M/S2	4HRS	12HRS+	ON GOING	98	85
MAKITA RECIPRO SAW	12.6M/S2	0HRS 20MINS	1HR 15MINS	LIMITED USE	275	99
BOSCH 18V RECIPRO SAW	10M/S2	0HRS 29MINS	1HRS 55MINS	LIMITED USE	200	85
BOSCH ALIGATOR SAW	5.6M/S2	2HRS 10MINS	7HRS 10MINS	INTERMITTENT USE	245	91
DEWALT COMPOUND MITRE SAW	2.5M/S2	5HRS	12HRS+	ON GOING	102	90
MAKITA LS1013 COMP MITR SAW	2.5M/S2	5HRS	12HRS+	ON GOING	102	80
DEWALT DW708 MITRE SAW	2.5M/S2	5HRS	12HRS+	ON GOING	102	88
MAKITA 5703 71/4" C SAW	2.5M/S2	5HRS	12HRS+	ON GOING	102	106
MAKITA 5903 91/4" CSAW	2.5M/S2	5	12HRS+	ON GOING	102	106
MAKITA WOOD PLANER	2.5M/S2	5HRS	12HRS+	ON GOING	102	102
MAKITA 3600 ROUTER	2.5M/S2	5HRS	12HRS+	ON GOING	102	85

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METAL WORKING TOOLS						
RIGID HAND HELD PIPE THREADER	2.5M/S2	5HRS	12HRS+	ON GOING	102	83
RIGID 0-3" PIPE THREADER	2.5M/S2	5HRS	12HRS+	ON GOING	102	108
MAKITA JS1600 SHEAR	2.5M/S2	5HRS	12HRS+	ON GOING	102	87
MAKITA JN1600 NIBBLER	2.5M/S2	5HRS	12HRS+	ON GOING	102	85
CONCRETING & FINISHING EQUIPMENT						
PADDLE STIRER DRILL	2.5M/S2	5HRS	12HRS+	ON GOING	102	87
BELLE 4/3 PETROL MIXER	0	UN LIMITED	UN LIMITED	ON GOING	0	92
BELLE 4/3 ELECTRIC MIXER	0	UN LIMITED	UN LIMITED	ON GOING	0	84
POKER FLEX 2"	13M/S2	0HRS 18MINS	1HR 8MINS	LIMITED USE	290	100
AIR POKER 2"	5M/S2	2HRS 10MINS	7HRS 30MINS	INTERMITTENT USE	102	67
WACKER 2" HIGH FREQ POKER	4	2HRS 55MINS	10HRS +	ON GOING	98	67
MAGIC SCREED	3.8M/S2	3HRS 35MINS	10HRS +	ON GOING	98	95
36" POWER FLOAT	2.5M/S2	5HRS	12HRS+	ON GOING	102	119
SPE/ SINEX TILE LIFTER	16.8M/S2	<10MINS	0HRS 20MINS	LIMITED USE	130	78
BEF200 ELEC FLOOR PLANER	2.8M/S2	4HRS 5MINS	10HRS	ON GOING	125	97
BEF200 PETROL FLOOR PLANER	11.7M/S2	0HRS 20MINS	1HRS 30MINS	LIMITED USE	240	102
FLOOR GRINDER PETROL	10.3M/S2	0HRS 25MINS	1HRS 45MINS	LIMITED USE	200	104
MAKITA PC-1100	2.5M/S2	5HRS	12HRS+	ON GOING	102	103
GENERATORS						
3KVA PETROL GENERATOR	0	UN LIMITED	UN LIMITED	ON GOING	0	73
6KVA SILENCED DIESEL GENERATOR	0	UN LIMITED	UN LIMITED	ON GOING	0	67
UPTO 30 KVA SILENCED GENERATORS	0	UN LIMITED	UN LIMITED	ON GOING	0	<73
PUMPS						
2" SUBMERSIBLE PUMP	0	UN LIMITED	UN LIMITED	ON GOING	0	2
HONDA CENTRIFUGAL PUMP PETROL	0	UN LIMITED	UN LIMITED	ON GOING	0	103
DIESEL TRASH PUMP 3"	0	UN LIMITED	UN LIMITED	ON GOING	0	110
GARDENING & LANDSCAPING EQUIP						
TILLER/ ROTORVATOR	7.1M/S2	0HRS 55MINS	3HRS 50MINS	INTERMITTENT USE	105	85
LAWN MOWER PETROL	11.2M/S2	0HRS 25MINS	1HR 50MINS	LIMITED USE	240	76
2 STROKE STRIMMER	2.5M/S2	5HRS	12HRS+	ON GOING	102	110
PETROL SCARIFIER/LAWN RAKE	6.3M/S2	1HR 20MINS	4HRS 50MINS	INTERMITTENT USE	87	87
PETROL TURF LIFTER	9.5M/S2	0HRS 33MINS	2HRS 10MINS	INTERMITTENT USE	325	88
UPTO 24" HEDGE TRIMMER 2 STROKE	6.9M/S2	1HR 5MINS	4HRS 20MINS	INTERMITTENT USE	98	81
PETROL CHIPPER/SHREDDER	0	UN LIMITED	UN LIMITED	ON GOING	0	102
CHAIN SAW 2 STROKE	<7.6M/S2	0HRS 50MINS	3HRS 10MINS	INTERMITTENT USE	295	110
AIR TOOLS						
CP222/ FL22 LIGHT DUTY BREAKER	5.2M/S2	2HRS 20MINS	7HRS 20MINS	INTERMITTENT USE	245	107
SK12 SK10 MEDIUM BREAKER	4.2M/S2	2HRS 55MINS	10HRS +	ON GOING	100	106
HEAVY AIR BREAKER VIB DAMPED	6.5M/S2	1HR 12MINS	4HRS 40MINS	INTERMITTENT USE	87.12	106
PNEUMATIC 1/2" IMPACT GUN	3.4M/S2	4HRS	12HRS+	ON GOING	98	90
CP32A ROCK DRILL	9.9M/S2	0HRS 29MINS	1HR 55MINS	LIMITED USE	200	86
CP6 SINGLE HEADED SCABBLER	4.2M/S2	2HRS 55MINS	10HRS +	ON GOING	100	103
CP TRIPPLE HEADED SCABBLER	4.8M/S2	2HRS 25MINS	7HRS 15MINS	INTERMITTENT USE	245	103
PNEUMATIC NEEDLE GUN	6.7M/S2	1HR 10MINS	4HRS 25MINS	INTERMITTENT USE	290	102
REDUCED VIB POLE SCABBLER	7.8M/S2	0HRS 40MINS	3HRS 10MINS	INTERMITTENT USE	295	105
PLANT EQUIPMENT						
THWAITES 1 TONNE DUMPER	0	UN LIMITED	UN LIMITED	ON GOING	0	84
JCB MICRO DIGGER	0	UN LIMITED	UN LIMITED	ON GOING	0	85
JOHNSON HI TIP TRACKED DUMPER	0	UN LIMITED	UN LIMITED	ON GOING	0	85

KEY TO QUICK GUIDE

	ASSESS RISK - CONSIDER OTHER OPTIONS
	INTERMITTENT USE UPTO THE LIMITS HIGHLIGHTED IN ELV COLUMN
	FOR 8 HOURS + DAILY USE

HSE POINTS SYSTEM. WORKERS MAY ONLY BE EXPOSED TO VIBRATION LEVELS TOTALLING A MAXIMUM OF 400 POINTS IN ANY 8 HOUR PERIOD OF WORK. IF PERFORMING DIFFERENT TASKS CONSIDERATION MUST BE GIVEN TO THE TOTAL EXPOSURE OF ALL TASKS. SEE READY RECKONER ATTACHED.

OPERATORS OF PLANT OR TOOLS THAT PRODUCE A NOISE RATING OVER AND ABOVE 85 DB SHOULD WEAR EAR PROTECTION.

IMPORTANT NOTICE:

DATA IS FROM MANUFACTURERS SPEC AND DOES NOT TAKE INTO ACCOUNT APPLICATION OR OPERATOR'S INDIVIDUAL CIRCUMSTANCES

