

**RECORD OF NOISE AND VIBRATION ASSESSMENT**

Manufacturer:	SPE
Type:	Compact Floor Grinder
Model No.	DFG280-3 Electric
Operation :	Concrete floor surface
Inserted Tool:	Diamond Plate
HAV Note:	Independent

**HAND-ARM VIBRATION**

**Frequency Weighted Energy Equivalent Accelerations ( $a_{h,w}$ )**

Measurement Position	Acceleration ( $m/s^2$ )			
	X axis	Y axis	Z axis	Vector Sum
Handle	1.59	2.79	1.77	3.67

**NOISE LEVELS**

**Sound Power Level ( $L_{WA}$ )**

$L_{WA}$ at Octave Band Centre Frequency (Hz)								Sound Power Level $L_{WA}$
63	125	250	500	1000	2000	4000	8000	
51.0	73.8	88.4	91.9	94.9	97.5	90.8	80.2	<b>100.7</b>

**Operator's Ear**

$L_{Aeq,T}$ at Octave Band Centre Frequency (Hz)								Overall Level ( $L_{Aeq,T}$ )	$L_{Peak}$ dB(C)
63	125	250	500	1000	2000	4000	8000		
39.3	56.5	74.7	78.0	80.9	79.9	75.7	67.1	<b>86.0</b>	<b>101.5</b>