



DFG250-1 Operating Manual

RECORD OF NOISE AND VIBRATION ASSESSMENT

Manufacturer:	SPE
Type:	Diamond Floor Grinder
Model No.	DFG250-1 Electric
Operation :	Concrete floor surface
Inserted Tool:	1 Diamond plate
Running Conditions:	1400 rpm
HAV Note:	Acoustic Associates

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	2.29	3.54	2.37	4.84

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	
51.1	73.7	88.3	92.0	95.1	97.3	90.9	80.3	100.9

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		
39.1	57.7	74.6	79.2	81	79.8	75.8	67.2	86.1	101.7

