

SPECIFICATION SHEET

Type	DFG 500 Electric
Part number	DFG 500-2
Power output	2 x 4.5 kw on high speed 2 x 3.2 kw on slow speed
Voltage	380/415
Cycles	50
Head speed r.p.m.	700/1400
Engine/motor speed r.p.m.	1400/2800
Machine dimensions (mm)	
Length	1400
Width	725
Height	1100
Weight (kg)	300
Ballast weight (kg)	2 x 20
Hydraulic oil	HM46
Tank capacity	3.5 litres

ELECTRICAL REQUIREMENTS

<i>Machine</i>	<i>Volts</i>	<i>Plug size</i>	Cable size (mm)	Max Cable Length	Transformer	<i>Generator</i>
DFG 500-2	380/415	32 amp 5 pin	4.0 4 core	75 metres	-	20 kva

RECORD OF NOISE AND VIBRATION ASSESSMENT

Manufacturer:	SPE
Type:	Diamond Floor Grinder
Model No.	DFG500-2 Electric
Operation :	Concrete floor surface
Inserted Tool:	2 Diamond Grinding Plates
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	1.31	1.14	1.31	2.18

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	
61.5	80.6	88.4	94.3	93.3	92.2	85.9	73.9	98.8

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		
46.2	66.3	76.1	81.8	81.2	75	68.5	56.6	85.6	101

