TEST REPORT

Report Reference No.	:	6070462.51QS
Tested by (name + signature)	:	Jiawei Chen
Approved by (name + signature)	:	David Yang
Date of testing	:	2020-06-23
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Testing Laboratory	:	DEKRA Testing and Certification (Shanghai) Ltd.
Testing location / address	:	3F., #250 Jiangchangsan Road, Building 16 Headquarter Economy Park, Shibei Hi-Tech Park, Zhabei District Shanghai 200436, CHINA
Applicant	:	LEE YEONG INDUSTRIAL CO., Ltd.
Address	:	No.2, Kejia Rd. Douliu City 64057 YUNLIN COUNTY TAIWAN
Test specification:		
Standards	:	EN 60745-1:2009+A11:2010; EN 60745-2-22:2011
Test procedure	:	☐ Basic safety test ☐ Screen test ☐ Quick scan ☐ Basic EMC test ☐ Flash test ☐ IP 54 ☒ Noise test ☒ Vibration test
Test object description	:	Wall chaser
Trade Mark	:	AGP
Manufacturer	:	LEE YEONG INDUSTRIAL CO., Ltd.
Address	:	No.2, Kejia Rd. Douliu City 64057 YUNLIN COUNTY TAIWAN
Model/Type reference	:	CG125
Ratings	:	230 Vac
Number of test objects	:	1 pc for noise and vibration measurement

Conclusion:

- The following noise and vibration values (minimum) shall be declared on instruction manual:

Declared dual-number noise emission values in accordance with ISO 4871

Measured A-weighted sound power level, L_{WA} (ref.1pW),in decibels	**106,5 dB(A)**
Uncertainty, K_{WA},in decibels	**3 dB(A)**
Measured A-weighted emission sound pressure level at the work station, L_{pA} (ref.20μPa),in decibels	**95,5 dB(A)**
Uncertainty, K_{pA},in decibels	**3 dB(A)**

Values determined according to noise test code given in EN 60745-1:2009+A11:2010, using the basic standards EN 60745-2-22:2011.

NOTE - The sum of a measured noise emission value and its associated uncertainty represents an upper boundary of the range of values which is likely to occur in measurements.

Vibration total values (triaxial vector sum) determined according to EN60745

Vibration emission Value a_h	**2,8 m/s²**
Uncertainty K	**1,5 m/s²**

Values determined according to EN 60745-1:2009+A11:2010 and EN 60745-2-22:2011.

Summary of testing:

Location of testing and Environmental condition:

Location:	Noise lab of DEKRA Testing and Certification (Shanghai) Ltd.
Background noise:	25,5 dB(A)
Dimension:	3,95m*2,8m*2,4m
Air temperature:	24℃
Relative humidity:	58%
Barometric pressure:	101,1kPa
Wind velocity:	0m/s

Test equipment list:

Equipment	Type	Serial number	Manufacturer	Calibration due date
Microphone	4189	3148397	Brüel & Kjær	2021/03/24
Pulse	3050-A-060	3050-112020	Brüel & Kjær	2021/04/07
Calibrator	4231	3022391	Brüel & Kjær	2021/03/18
Accelerometer	4535B001	32675	Brüel & Kjær	2021/03/22
Accelerometer	4535B001	32674	Brüel & Kjær	2021/03/22

Part 1 Noise test

1.1 Test standards

EN 60745-1:2009+A11:2010; EN 60745-2-22:2011

1.2 Description of the hand-held tool

Product: Wall chaser

Model: CG125

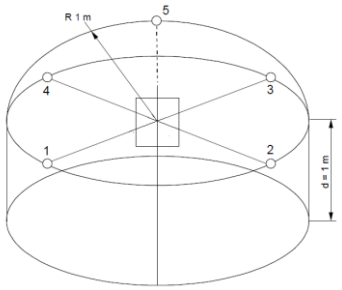
Technical data: 230 Vac

1.3 Description of mounting and operation conditions

Mounting: The machine was held by the operator.

Operating conditions: Cutting concrete slab.

1.4 Microphone positions:



1.5 Measurement data

cycle \ point	1	2	3	4	5
1	94,5	96,9	96,2	95,0	94,5
2	94,7	96,7	96,6	95,3	94,7
3	94,4	97,0	96,1	95,4	94,6
4	94,6	96,8	96,3	95,3	94,6
5	94,8	97,1	96,4	95,2	94,8

1.6 Test result

1.6.1 Sound power level Determination

A-weighted time-average 1 meter surface sound pressure level:

$$\overline{L_{pAi,1m}} = 10lg\left[\frac{1}{5}\sum_{i=1}^{5} 10^{0,1L'_{pA,i}}\right] - K_{1A} - K_{2A}$$

A-weighted sound power level: $L_{WA} = \overline{L_{pAi,1m}} + 10lg\frac{S}{S_0}$

Where:

K_{1A} = 0dB(A);

K_{2A} = 0dB(A);

$10lg\frac{S}{S_0}$ =11dB(A).

cycle	$\overline{L_{pAi,1m}}$	L_{WAi}
1	95,5	106,5
2	95,7	106,7
3	95,6	106,6
4	95,6	106,6
5	95,8	106,8

sound power level: $\boldsymbol{L_{WA} = \frac{1}{5}\sum_{i=1}^{5} L_{WAi} = 106,6dB(A)}$

1.6.2 Emission sound pressure level Determination

A-weighted Emission sound pressure level at the work station: $L_{pA} = L_{WA} - Q$

Where:

Q = 11 dB(A).

Emission sound pressure level at the work station: $\boldsymbol{L_{pA} = L_{WA} - Q = 106,6 - 11 = 95,6dB(A)}$

Part 2 Vibration test

2.1 Test standards

EN 60745-1:2009+A11:2010; EN 60745-2-22:2011

2.2 Description of the hand-held tool

Product: Wall chaser

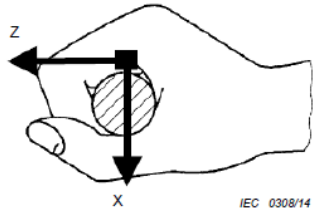
Model: CG125

Technical data: 230 Vac

2.3 Description of operating and testing conditions

Testing conditions: Cutting concrete slab.

2.4 Measurement direction



2.5 Measurement data

Main handle:

Operator A				
Direction / No.	a_{hwx}	a_{hwy}	a_{hwz}	The vibration total value
1	2,309	1,250	0,953	2,793
2	2,060	1,514	0,923	2,718
3	2,567	1,253	0,914	2,999
4	2,238	1,039	0,981	2,655
5	2,445	1,500	0,938	3,018
the arithmetic mean total vibration				2,837

Operator B				
Direction / No.	a_{hwx}	a_{hwy}	a_{hwz}	The vibration total value
1	2,099	1,494	0,994	2,761
2	2,443	1,286	0,987	2,932
3	2,039	1,493	1,034	2,731
4	2,263	1,011	1,021	2,681
5	2,162	1,134	0,952	2,620
the arithmetic mean total vibration				2,745

Operator C				
Direction / No.	a_{hwx}	a_{hwy}	a_{hwz}	The vibration total value
1	2,278	1,503	1,032	2,917
2	2,193	1,148	1,000	2,670
3	2,079	1,220	0,932	2,584
4	2,055	1,359	0,963	2,646
5	2,332	1,547	1,039	2,985
the arithmetic mean total vibration				2,760

Auxiliary handle:

Operator A				
Direction / No.	a_{hwx}	a_{hwy}	a_{hwz}	The vibration total value
1	1,942	1,919	0,871	2,866
2	2,093	1,792	0,803	2,870
3	2,307	1,912	0,828	3,108
4	2,094	1,750	0,830	2,852
5	2,068	1,755	0,889	2,854
the arithmetic mean total vibration				2,910

Operator B				
Direction / No.	a_{hwx}	a_{hwy}	a_{hwz}	The vibration total value
1	2,173	1,750	0,809	2,905
2	2,188	1,902	0,856	3,023
3	2,397	1,551	0,846	2,977
4	1,872	1,756	0,820	2,695
5	2,098	1,458	0,809	2,680
the arithmetic mean total vibration				2,856

Operator C				
Direction / No.	a_{hwx}	a_{hwy}	a_{hwz}	The vibration total value
1	1,834	1,643	0,815	2,594
2	1,888	1,897	0,855	2,809
3	2,240	1,454	0,849	2,802
4	1,918	1,433	0,869	2,547
5	1,869	1,925	0,881	2,824
the arithmetic mean total vibration				2,715

2.6 Test result

Main handle:

The average vibration total value a_h: 2,781 m/s^2

$K = 1{,}65 s_R = 0{,}049 m/s^2$ *or* $K = 1{,}5 m/s^2$ *, Whatever is higher.*

Auxiliary handle:

The average vibration total value a_h:2,827 m/s^2

$K = 1{,}65 s_R = 0{,}101 m/s^2$ *or* $K = 1{,}5 m/s^2$ *, Whatever is higher.*

The test results shown in this report relate only to the tests performed according to the test program. The test object has not been submitted to a full test program.

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