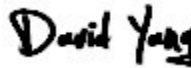





Test Report issued under the responsibility of:

TEST REPORT IEC 62841-3-13 Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery – Safety – Part 3-13: Particular requirements for transportable drills	
Report Number..... :	6137198.50B
Date of issue..... :	2022-09-29
Total number of pages	9 pages
Name of Testing Laboratory preparing the Report	DEKRA Testing and Certification (Shanghai) Ltd. 3F, #250 Jiangchangsan Road, Building 16, Headquater Economy Park Shibe Hi-Tech Park, Jing'an District, Shanghai, 200436, China
Applicant's name	LEE YEONG INDUSTRIAL CO., LTD.
Address.....	No. 2, Kejia Rd., Douliu City, Yunlin County 64057, Taiwan
Test specification:	
Standard	IEC 62841-3-13:2017
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No.	IEC62841_3_13A
Test Report Form(s) Originator	VDE Testing and Certification Institute
Master TRF	Dated 2018-10-12
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Test item description :	HOLE CUTTING DRILL	
Trade Mark :	AGP	
Manufacturer	LEE YEONG INDUSTRIAL CO., LTD. No.2, Kejia Rd., Douliu City, Yunlin County 64057, Taiwan	
Model/Type reference	HC127; CRW 12700; LSBM127; KW1500992; RB127; LB120CV; HC600; HC24; HCD24; HCD600; HCD127; HD127; HD24; HD600	
Ratings	220-240 Vac; 50-60 Hz; 1100 W; no: 130 min ⁻¹ ; Class I	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input type="checkbox"/>	CB Testing Laboratory:	DEKRA Testing and Certification (Shanghai) Ltd.
	Testing location/ address :	3F., #250 Jiangchangsan Road, Building 16, Headquarter Economy Park Shibe Hi-Tech Park, Jing'an District, Shanghai, 200436, China
	Tested by (name, function, signature) :	David Yang 
	Approved by (name, function, signature) ... :	Chris Feng 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
	Testing location/ address :	
	Tested by (name, function, signature) :	
	Approved by (name, function, signature) ... :	
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
	Testing location/ address :	
	Tested by (name + signature)	
	Witnessed by (name, function, signature) . :	
	Approved by (name, function, signature) ... :	
<input type="checkbox"/>	Testing procedure: CTF Stage 3:	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
	Testing location/ address :	
	Tested by (name, function, signature) :	
	Witnessed by (name, function, signature) . :	
	Approved by (name, function, signature) ... :	
	Supervised by (name, function, signature) :	

List of Attachments (including a total number of pages in each attachment): See part 1	
Summary of testing:	
Tests performed (name of test and test clause): See part 1	Testing location: See part 1
Summary of compliance with National Differences (List of countries addressed): See part 1 <input type="checkbox"/> The product fulfils the requirements of _____ (insert standard number and edition and delete the text in parenthesis, leave it blank or delete the whole sentence, if not applicable)	

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

See part 1

Test item particulars:	
Classification of installation and use: Class I	
Supply Connection: Type Y	
.....:	
Possible test case verdicts:	
- test case does not apply to the test object.....: N/A	
- test object does meet the requirement.....: P (Pass)	
- test object does not meet the requirement.....: F (Fail)	
Testing:	
Date of receipt of test item: 2022-07-20	
Date (s) of performance of tests: 2022-08-15 to 2022-09-20	
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC60335-1:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies): See part 1	
General product information and other remarks: See part 1	

IEC 62841-3-13			
Clause	Requirement + Test	Result - Remark	Verdict
5	GENERAL CONDITIONS FOR THE TESTS		
5.17	The mass of the tool shall include the drill unit including the drill chuck, even if removable, and the drill stand including the workpiece support.		P
	A fence or a workpiece vice, if any, is not included in the mass of the tool.		P
8	MARKING AND INSTRUCTIONS		
8.1	Drills shall be marked with the rated no-load speed of the output spindle.		P
	In addition, tools designed for operation at more than one speed setting shall be marked in such a way that it is clear which typical speed corresponds with each of the settings.		N/A
	For variable speed settings, marking of the typical minimum and maximum speed is sufficient.		N/A
8.1.1	This subclause is not applicable for speed markings as required by 8.1.		—
8.3	Chucks of drills shall be marked with the maximum capacity of the chuck.		P
8.14.1	The additional safety instructions as specified in 8.14.1.101 shall be given. This part may be printed separately from the "General Power Tool Safety Warnings".		P
8.14.1.101	Safety instructions for transportable drills		—
	Drill safety warnings:		—
	a) The drill must be secured.		P
	b) The workpiece must be clamped or secured to the workpiece support. Do not drill pieces that are too small to be clamped securely.		P
	c) Do not wear gloves.		P
	d) Keep your hands out of the drilling area while the tool is running.		P
	e) Make sure the accessory is rotating before feeding into the workpiece.		P
	f) When the accessory is jammed, stop applying downward pressure and switch off the tool. Investigate and take corrective actions to eliminate the cause of the jam.		P
	g) Avoid generating long chips by regularly interrupting downward pressure.		P

IEC 62841-3-13			
Clause	Requirement + Test	Result - Remark	Verdict
	h) Never remove chips from the drilling area while the tool is running. To remove chips, move the accessory away from the workpiece, switch off the tool and wait for the accessory to stop moving. Use tools such as a brush or hook to remove chips.		P
	i) Accessories with speed ratings must be rated at least equal to the maximum speed marked on the power tool.		P
8.14.2.101	Information about which drill chucks may be used with the tool and instruction on how to fit it		P
8.14.2.102	Instruction on how to change speed settings		N/A
8.14.2.103	Instruction how to secure the workpiece, including additional supports for overhanging workpieces.		P
12	HEATING		
12.5	The temperature-rise limit specified for the external enclosure does not apply to external surfaces which are unlikely to be inadvertently contacted during use.		—
	External surfaces are regarded as unlikely to be inadvertently contacted if they are located		—
	– a minimum of 300 mm from the chuck and the power switch; and		P
	– on the rear of the column of the drill stand in relation to the operator.		P
18	ABNORMAL OPERATION		
18.8	Required performance levels (see IEC 62841-3-13 table 4)		P
19	MECHANICAL HAZARDS		
19.1	Moving and dangerous parts other than the rotating drill chuck and accessory shall be so arranged or enclosed that adequate protection against injury is provided. The guarding of the rotating drill chuck is covered in 19.101.		P
19.7.101	Drills shall be provided with means to facilitate the fixing of the tool to a bench, e.g. by providing holes in the base plate of the tool.	The base is special designed to fix the drill on working piece by a vice and fixing chain.	N/A
19.101	To minimise the risk of entanglement, drill chucks shall either be:		—
	– of substantially round shape free of sharp corners, edges and protrusions that are likely to cause injury in the case of accidental contact with the rotating perimeter of the drill chuck. Gripping surfaces on the drill chuck such as knurls or grooves and the teeth provided for chuck key adjustment are not regarded as protrusions; or		P

IEC 62841-3-13			
Clause	Requirement + Test	Result - Remark	Verdict
	– protected with a fixed guard or a combination of fixed guard and adjustable guard to prevent accidental contact with the drill chuck at least from the front and from the sides.		P
19.102	The drill unit, when released by the operator, automatically return to its rest position.		P
	Drill units with an adjustable rest position are adjusted to their uppermost rest position.		P
	The drill unit is moved from its uppermost rest position to its fully down position and released. The drill unit shall return to the uppermost rest position within 10 s.		P
19.103	Run-down time		—
	The run-down time of the drill spindle shall not exceed 10 s after switching off the motor.		P
19.104	Guards that are required to be opened for the purpose of adjusting speed as identified in 8.14.2 b) 102) shall not require the use of a tool and shall remain attached to the main part of the tool when open.		P
	Hazardous moving parts and the drill chuck shall stop within 10 s when the guard is opened and shall not restart automatically when the guard is closed.		P
19.105	Chuck keys shall be so designed that they drop easily out of position when released.		P
	This requirement does not exclude the provision of clips for holding the key in place when not in use; metal clips fixed to the flexible cable or cord are not allowed.		P
20	MECHANICAL STRENGTH		
20.3.2	This test is not applicable to the guard as required in 19.101.		—
20.3.101	The guard required in 19.101 shall have sufficient strength against displacement and deformation.		N/A
20.5	This subclause is not applicable		—
20.101	Means for transportation of drills as required by 19.4 and as identified in accordance with 8.14.2 b) 8), except for motor housings, shall be of adequate strength to safely transport the tool.		P
21	CONSTRUCTION		
21.18.2.1	This subclause is not applicable.		—
21.30	This subclause is not applicable.		—

IEC 62841-3-13			
Clause	Requirement + Test	Result - Remark	Verdict
21.35	Connection ports for external dust collection equipment, if any, shall be directed away from the operator.		N/A
21.101	The workpiece support shall be equipped with facilities to securely affix the workpiece or a workpiece vice to it.	By vice and chain	P
23	COMPONENTS		
23.3	Protection devices (e.g. overload or over-temperature protection devices) or circuits that switch off the drill shall be of the non-self-resetting type.		P
K	ANNEX K – BATTERY TOOLS AND BATTERY PACKS		
	All clauses of the main body of this Part 3-13 apply unless otherwise specified in this annex. If a clause is stated in this annex, its requirements replace the requirements of the main body of this Part 3-13 unless otherwise specified.		—
K.12.1	The temperature-rise limit specified for the external enclosure does not apply to external surfaces which are unlikely to be inadvertently contacted during use.		N/A
	External surfaces are regarded as unlikely to be inadvertently contacted if they are located:		—
	– a minimum of 300 mm from the chuck and the power switch; and		N/A
	– on the rear of the column of the drill stand in relation to the operator.		N/A
K.12.5	This subclause is not applicable.		—
K.18.8	Required performance levels (see IEC 62841-3-13 table 4)		N/A
K.21.18.2.1	The tool shall not restart after installing the separable battery pack or detachable battery pack without actuating the power switch.		N/A

----- End -----