

说明书材质要求: 105g 有光铜版纸	说明书成品尺寸: 105*143mm
第一: 专色用6级防晒油墨+CMYK油墨要求: 1. PANTONE137C专色油墨 (专色用6级防晒油墨): 如果自己配色, 油墨配比为: 酒联中黄 (防晒) 2000g 酒联金红 (防晒) 225g 2. C色油墨: 酒联天蓝墨 3. M色油墨: 酒联金红墨 4. Y色油墨: pantone123C专色油墨 5. K色油墨: 酒联黑墨	第二: 特别注意: 1. 印刷时看样请参考我司提供的实物样品颜色。不得偏色 2. 137C的专色 不得 参考C=0, M=35, Y=90, K=0对应的四色色谱颜色来看样印刷  Pantone 137C  Black (两色印刷)
折叠方式: 风琴折 (20°以下用风琴折)	备注:

特别注意：此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

20P 页面顺序

11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

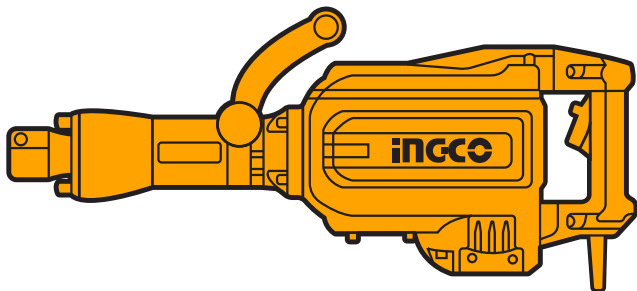
更改记录	1. 新制作,			1. 添加货号PDB170082			1. 加噪音值和振动值		
	0324.V10	2023.10.17	LJJ	0324.V11	2024.3.30	SQY	0125.V12	2025.1.26	CXY
	版本号	日期	设计师	版本号	日期	设计师	版本号	日期	设计师

INGCO

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**PRODUCT
MANUAL**

DEMOLITION BREAKER



PDB17008 UPDB17008
PDB17008xy UPDB17008xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING! Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **Power tool plugs must match the outlet. Never modify the plug in any way.** **Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
- b) **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cords increase the risk of electric shock.*
- e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3) Personal safety

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
- d) **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

- a) **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
- b) **Do not use the power tool if the switch does not turn it on and off.** *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*
- c) **Disconnect the plug from the power source and/or remove the battery**

pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. *Such preventive safety measures reduce the risk of starting the power tool accidentally.*

- d) **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. *Power tools are dangerous in the hands of untrained users.***
- e) **Maintain power tools and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. *Many accidents are caused by poorly maintained power tools.***
- f) **Keep cutting tools sharp and clean. *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.***
- g) **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different from those intended could result in a hazardous situation.***
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease. *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.***

5) Service

- a) **Have your power tool serviced by a qualified repair person using only identical replacement parts. *This will ensure that the safety of the power tool is maintained.***

THE SYMBOLS IN INSTRUCTION MANUAL

	Double insulated for additional protection
	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

ADDITIONAL SAFETY WARNING

Demolition breaker safety warnings

Safety instructions for all operations

- a) **Wear ear protectors.** *Exposure to noise can cause hearing loss.*
- b) **Use auxiliary handle(s), if supplied with the tool.** *Loss of control can cause personal injury.*
- c) **Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** *Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*

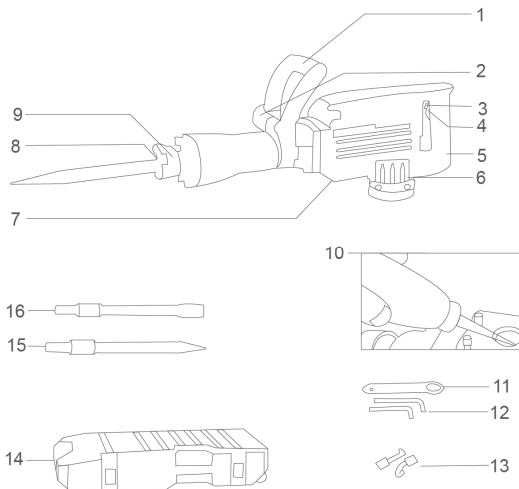
Additional safety Instructions

- a) Use suitable detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance. Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage or may cause an electric shock.
- b) Always wait until the power tool has come to a complete stop before placing it down. The application tool can jam and cause you to lose control of the power tool.
- c) Do not touch any application tools or adjacent housing components shortly after operation. These can become very hot during operation and cause burns.
- d) Take care when carrying out demolition work using the chisel. Falling fragments of the demolition material could injure you or any bystanders.
- e) Hold the power tool firmly with both hands and make sure you have a stable footing. The power tool can be more securely guided with both hands.

INTENDED USE

The power tool is intended for chiseling work in concrete, brick, stone and asphalt, as well as for driving in and com-pressing with the appropriate accessories.

SPECIFICATIONS



Components

- | | |
|------------------------------------|--|
| 1. Adjustable auxiliary handle | 9. Locking bolt |
| 2. Fastening knob | 10. Oil bottle |
| 3. Trigger lock | 11. Spanner |
| 4. On / Off Switch | 12. Hex key 2pcs |
| 5. Handle | 13. Carbon brushes |
| 6. Protective cap for brush holder | 14. Carrying case |
| 7. Hex screw | 15. Pointed chisel |
| 8. Tool holder | 16. Flat chisel (optional, see your product specification) |

Technical specifications

Model No.	PDB17008 PDB17008xy	PDB17008-9
Rated voltage	220-240V~50/60Hz	220-240V~60Hz
Rated input power	1700W	1700W
Impact rate	1400bpm	1400bpm
Impact energy	45J	45J
Chisel holder	Hexagon (30 mm)	Hexagon (30 mm)
Machine weight	16kg	16kg
Protection class	□ / II	□ / II

Model No. Note: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M,D); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M,D)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.

Model No.	UPDB17008 UPDB17008xy	UPDB17008-9
Rated voltage	110-120V ~50/60Hz	127V ~60Hz
Rated input power	1700W	1700W
Impact rate	1400bpm	1400bpm
Impact energy	45J	45J
Chisel holder	Hexagon (30 mm)	Hexagon (30 mm)
Machine weight	35.2lbs	35.2lbs
Protection class	□ / II	□ / II

Model No. Note: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M,D); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M,D)

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.

Noise/Vibration information

The noise emission, measured in accordance with **EN62841-2-6**:

Sound pressure level	L_{pA}	93,57 dB (A)
Sound power level	L_{WA}	101,57 dB (A)
Uncertainty	K	3 dB (A)

Wear hearing protection!

Guaranteed sound power level L_{WA} in dB

The vibration total value and its uncertainty determined according to **EN62841-2-6**:

Chiselling:

Vibration emission value $a_{h,CH}$	$a_{h,CH}$	18,14 m/s ²
Uncertainty	K	1,5 m/s ²

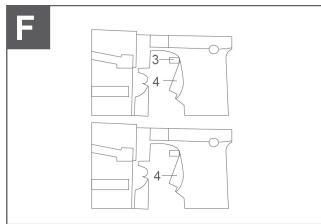
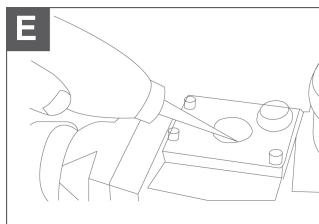
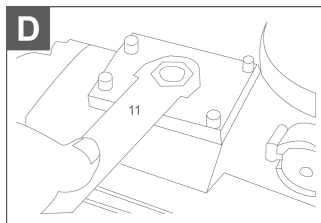
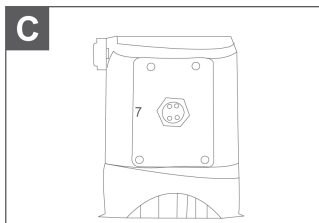
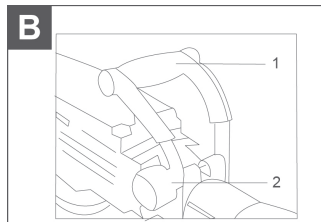
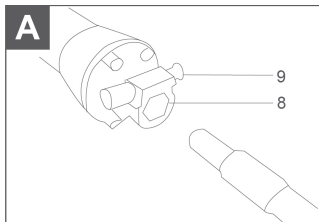
That the declared vibration total value has been measured in accordance with a standard test method and may be used for comparing one tool with another.

That the declared vibration total value may also be used in a preliminary assessment of exposure.

⚠ WARNING!

- That the vibration emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used;
- Identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

OPERATION PICTURE



OPERATION

Before use

WARNING!

- Do not use the product in potentially explosive atmospheres. Use the product only in ambient temperatures between 10 - 40°C
- Disconnect the product from the power source before making any settings, mounting or replacing accessories and carrying out maintenance.
- Before initial use, fill / check the oil.

Inserting the chisel (see Figure A)

The hammer is provided with a tool-less quick-change system for chisels having a 30 mm hexagonal shaft. Use only suitable chisels. Keep the shaft of the chisel and the tool holder free of dust and debris.

- Pull out the locking bolt (9) and turn it with the "O" mark facing up.
- Insert the chisel (15/16) into the tool holder (8) with the recessed part of the hexagonal shaft facing up.
- Turn the locking bolt by 180°.
- Check that the chisel is locked in place by pulling on it.
- To remove the chisel, proceed in the same sequence.

Adjusting auxiliary handle (see Figure B)

- Screw on the fastening knob (2) supplied in the carrying case.
- Open the fastening knob and move the auxiliary handle (1) to the desired position.
- The auxiliary handle can be rotated 360° and can be moved into the required position after opening the fastening knob.
- Mount the auxiliary handle in the required position by tightening the fastening knob.

Inspecting oil level / refilling oil (see Figure C, D, E)

CAUTION!

Inspect the oil level before every use! Using the hammer without sufficient oil level causes irreparable damage.

There is an oil level window at the bottom of the hammer.

- To check the oil level, place or hold the hammer vertically with the tool holder (8) pointing up.
- If there is no oil visible inside the window it must be topped up immediately.

Proceed as follows:

- Place the hammer on a level surface with the oil level window facing up.
- Unscrew the oil level window using the 23 mm spanner wrench (11) supplied.
- Fill oil to approximately 1 cm below the rim with oil of specification SAE 20W-50 using an oil canister. Use a funnel if necessary.
- Replace the oil level window.
- Check the oil level as described above.

CAUTION!

Always make sure that the hammer is switched off and the switch lock is inactive before connecting the hammer to the mains.

Switching ON/OFF (see Figure F)

Switching On

- Press the On/Off switch 4.
- (With continuous operation function) Press the On/Off switch and depress the trigger lock 3.

Switching Off

- Release the On/Off switch 4.
- (With continuous operation function) Press the On/Off switch and then release.

Chiseling

CAUTION!

Lot of force can be exerted on the handle 5 and additional handle 1 if the chisel jams. Always grip the hammer firmly with both hands and maintain a stable posture. Always consider the possibility that the chisel could jam.

NOTE:

- Do not apply unnecessary force on the hammer. This is not necessary and reduces the impact effect.
- Insert a suitable chisel (see chapter "Inserting / removing chisel").
- Check the oil level (see chapter "Checking the oil level / Filling Oil").
- Connect the mains.

- Place the tip of the chisel at the point to be chiseled or demolished.
- Operate the hammer using its own weight (see chapter "Switching On/Off").

Maintenance

WARNING!

- **Disconnect the machine from the mains before performing any maintenance or adjustments**
- **Only use spare parts / accessories from the manufacturer or authorized and qualified workshops**
- **Repairs should only be carried out by qualified technicians or by an authorized service center. Qualified technicians must have relevant training and experience, be familiar with the design and construction requirements of the hammer and understand and follow the safety regulations**
- **Keep your tool bits always sharp. Sharpen them always using a suitable tool as recommended by the tool bit manufacturer.**

MAINTENANCE&MALFUNCTIONS

Possible malfunctions and methods of their eliminations

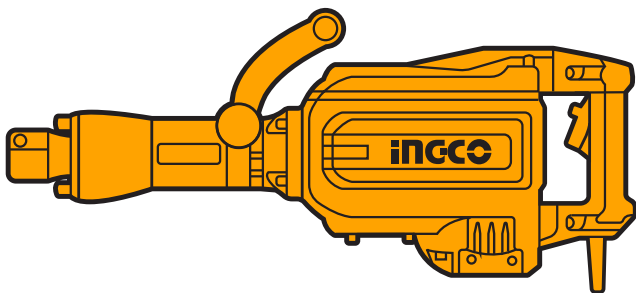
Malfunction	Probable causes	Actions
When the machine is turned on, the electric motor does not work.	● Switch failure ● The power cord or wiring is broken, power cord plug malfunction; ● No brush contact with the collector; ● Wear/damage of brushes	Disconnect the machine from the mains and contact a qualified specialist.
Formation of a circular fire on the collector	● Brush wear/damage of the brush holder; ● Malfunction in the armature coil	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
When working, smoke or the smell of burning insulation appears from the ventilation openings.	● Malfunction in the electric motor coil; ● Malfunction of the electrical part of the tool.	
Increased noise in the gearbox	● Wear/breakage of gears or bearings	
When the machine is turned on, the spindle does not rotate	● Gearbox failure.	

Critical state criteria

Critical state criteria	Probable causes	Actions
Cracks on the surfaces of bearing and housing parts	Fatigue deformation of metal	Disconnect the machine from the mains and contact a qualified specialist. Please don't repair the machine by your own.
The power cord or plug is damaged	Overload or breakage	
Excessive wear or damage to the motor or reductor mechanism, or a combination of signs	Fatigue deformation of metal	

Critical state criteria

List of critical failures	Actions
Electric motor sparking	It is necessary to contact a qualified specialist
The appearance of extraneous noise	It is necessary to contact a qualified specialist
If the above malfunctions are detected, it is necessary to disconnect the machine from the mains and contact a qualified specialist	



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