

HYUNDAI

230V 710W IMPACT DRILL

Model HY2158



User Manual

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1. OWNER'S MANUAL & SAFETY INSTRUCTIONS

1.1. How to read the manual.

- 1.1.1. Keep this manual for the safety warnings and precautions, assembly, operation, inspection, maintenance and cleaning procedures.
- 1.1.2. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number).
- 1.1.3. Keep this manual and the receipt in a safe and dry place for future reference.
- 1.1.4. The term "power tool" in the warnings refers to your mains operated (corded) power tool or battery-operated (cordless) power tool.
- 1.1.5. This combi drill is intended for inserting and removing screws and bolts within the drill's capability.

2. GENERAL SAFETY

 DANGER Non-observance will result in the risk of serious injury or death to oneself or others.	 WARNING Non-observance will result in the risk of injury to oneself or others.	 CAUTION Indicates a hazard which, if not avoided, might result in minor or moderate injury.	 NOTE NOTE or IMPORTANT These give details or further information on what has already been said, and aim to prevent damage to the machine or cause other damage.	  Read Manual
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 WARNING	DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.
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2.1. Work Area Safety

- 2.1.1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 2.1.2. 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.
- 2.1.3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2. Electrical Safety.

- 2.2.1. 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.
- 2.2.2. 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.
- 2.2.3.

- 2.2.4. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- 2.2.5. 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 and moving parts. Damaged or entangled cords increase the risk of electric shock.
- 2.2.6. When operating a power tool outdoors, use an extension cord suitable for outdoor use.
- 2.2.7. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- 2.2.8. 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.

2.3. Personal Safety.

- 2.3.1. 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.
- 2.3.2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- 2.3.3. 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 energizing power tools that have the switch on invites accidents.
- 2.3.4. 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.
- 2.3.5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- 2.3.6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- 2.3.7. 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.

2.4. Power Tool Use and Care.

- 2.4.1. 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.
- 2.4.2. 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.
- 2.4.3. Disconnect the plug from the power source and/or the battery pack 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.
- 2.4.4. 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.
- 2.4.5. Maintain power tools. 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.
- 2.4.6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

2.4.7. 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.

2.4.8. Use of the power tool for operations different from those intended could result in a hazardous situation.

2.5. Service.

2.5.1. 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.

3. QUICK REFERENCE GUIDE and USE



PARTS

1 Keyless Chuck.	2 Mode Selector.	3 Depth Gauge.	4 Power Switch Lock Button.
5 Variable Speed Thumb Wheel/Power Switch.	6 Power ON Indicator.	7 Forward/Reverse Lever.	8 Auxiliary Side Handle

TECHNICAL SPECIFICATION

Rated Voltage.	230V – 50 Hz.	Drilling Capacity into Masonry.	16 mm.
Rated Power.	710 Watts.	Net Weight (Machine Only).	2.45 Kg
No Load Speed.	0 - 2,800/min.	Cable Length.	2 metres
Impact Rate.	0 – 4,800 bpm.	Sound Pressure Level.	88 dB (L _{pA})
Keyless Chuck Size.	13 mm.	Sound Power Level.	99 dB (L _{WA})
Drilling Capacity into Wood.	30 mm.	Vibration Level	3.579 m/s ²
Drilling Capacity into Steel.	13 mm.		

4. UNPACKING and ASSEMBLY



This packaging contains sharp objects. Take care when unpacking. Remove the machine, together with the accessories supplied, from the packaging.

4.1. Unpacking.

- 4.1.1. Check carefully to ensure that the machine is in good condition and account for all the accessories listed in this manual.
- 4.1.2. If any parts are found to be missing, the machine and its accessories should be returned together in their original packaging to the retailer.

4.2. Assembly



Before carrying out any assembly or disassembly of the unit please ensure that the unit is not connected to the electrical supply.

- 4.2.1. Do not throw the packaging away, keep it safe throughout the guarantee period, then recycle if possible, otherwise dispose of it by the proper means.
- 4.2.2. Do not let children play with empty plastic bags due to the risk of suffocation.

4.3. Fitting the Auxiliary Side Handle



Be sure the auxiliary handle is securely tightened against the depth gauge clamp. This secures the depth gauge at the desired depth of drilling and also secures the auxiliary handle.

- 4.3.1. The Auxiliary side handle is attached to the front collar of the drill. Loosen the handle assembly by turning the handle clockwise, Fig 1, and slide the auxiliary side handle over the keyless chuck onto the front collar of the drill.
- 4.3.2. Securely tighten by turning the auxiliary handle counter clockwise.



Fig 1

4.4. Fitting The Depth Gauge

- 4.4.1. The drill is supplied with a depth gauge used for drilling holes to a required depth. Loosen the auxiliary side handle Fig 1, and insert the depth gauge into the hole on the side of the auxiliary handle, Fig 2.
- 4.4.2. Measure back from the drill tip and move the depth gauge back to the required measured depth. Securely tighten by turning the auxiliary handle counter clockwise. The end of the depth gauge will come into contact with the work surface when the required depth of hole is reached.



Fig 2

4.5. Installing drill bits.

! WARNING

Always disconnect the machine from the power supply before adjustment, changing accessories and maintenance.

4.5.1. The keyless chuck fitted to this impact drill allows for the easy installation and removal of bits and drills. The chuck has two rotating grips, Fig 3 (1 & 2).

4.5.2. Select the drill /driver bit required and insert it into the chuck jaws, turn grip 1 in a clockwise direction until jaws grip the drill/driver bit. With your free hand hold grip 2 firmly and rotate grip 1 in a clockwise direction until it tightens onto the drill /driver bit. Do not use unnecessary force to tighten.



Fig 3

5. OPERATION

! WARNING

Before connecting the impact drill to a power supply, make sure it is not in the 'locked on' position. Failure to do so could result in accidental starting of the drill resulting in possible serious injury.

5.1. Switching impact drill ON and OFF.

5.1.1. This machine is fitted with a continuous operation button. To start the machine squeezes the On/Off trigger, Fig 4.

5.1.2. When the machine starts press in the continuous operation button located on the side of the handle, Fig 5, release the On/Off trigger.

5.1.3. The machine will now run continuously without the need to maintain pressure on the On/Off trigger.

5.1.4. To stop the machine briefly squeeze then release the On/Off trigger.

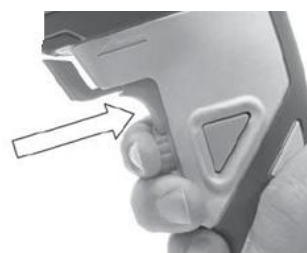


Fig 4



Fig 5

5.2. Variable Speed Control.

5.2.1. Light pressure on the On/Off trigger results in low speed, allowing drilling to begin in a smooth, controlled manner. Further pressure on the switch results in an increase in speed.

5.2.2. The desired speed can be pre-selected with the thumb wheel, Fig 6 (also possible during operation). The rotational speed to be used depends upon the material being drilled.



Fig 6

5.3. Changing the Rotation.

 WARNING	The impact drill is not designed for reverse hammering. Failure to heed this warning may result in damage to the drill.
 NOTE	The design of the switch will not permit changing the direction of rotation while the drill is running. Release the On/Off trigger and allow the drill to stop before changing its direction. The impact drill will not run unless the lever is pushed fully to the left or right.

- 5.3.1. The direction of the chuck is controlled by a lever located above the On/Off trigger.
- 5.3.2. For forward rotation move the lever to the left marked with a forwards arrow, Fig 7.
- 5.3.3. For reverse rotation move the lever to the right marked with a backwards arrow, Fig 8.



Fig 7



Fig 8

5.4. Adjusting the drill mode.

- 5.4.1. Locate the selector switch on the top of the drill housing, Fig 9. Simply push the selector switch to the left hand side of the drill (with the chuck facing forward) to select hammer drilling mode.
- 5.4.2. To select normal drilling mode push the selector switch to the right hand side of the drill (with the chuck facing forward). Tungsten carbide drill bits are required for drilling concrete, stone and masonry. The best drilling progress is achieved using tungsten carbide tipped drill bits.
- 5.4.3. Only High Speed Steel (HSS) drill bits in good condition should be used for drilling metal or wood. Spade bits and brad point bits are only used for drilling wood etc.



Fig 9

5.5. Tip for Drilling Tiles.

- 5.5.1. Place a piece of masking tape onto the tile in the approximate position for the hole.
- 5.5.2. Mark the position of the hole onto the masking tape this will prevent the drill from skidding across the tile when the drill is started.
- 5.5.3. Set the selector switch to the drill symbol and slowly drill through the tile.
- 5.5.4. When the tile has been full drilled through change the selector switch to the hammer symbol and continuing with hammer drilling.

5.6. Tip for Drilling Metal.

- 5.6.1. When drilling metal, use a light oil on the drill bit to keep it from overheating.
- 5.6.2. The oil will prolong the life of the bit and increase the drilling action.

5.7. Work piece Clamping.

5.7.1. To prevent the work piece from spinning (if drill bit becomes jammed), it is recommended that a drill vice or other suitable clamp is used to secure the work piece during the drilling operation.

6. GENERAL MAINTENANCE

 WARNING	Do not at any time let brake fluids, petrol, petroleum based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.
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6.1. Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

6.2. Electric tools used on fiberglass material, wallboard, compounds, or plaster are subject to accelerated wear and possible premature failure because the fiberglass chips and grindings are highly abrasive to bearings, brushes, commentators, etc.

6.3. Consequently, we do not recommended using this tool for extended work on these types of materials.

6.4. However, if you do work with any of these materials, it is extremely important to clean the tool using compressed air.

6.5. Lubrication

6.5.1. All of the bearings in this tool are lubricated with a sufficient amount of high grade lubricant for the life of the unit under normal operating conditions. Therefore, no further lubrication is required.

7. SYMBOLS

7.1. The rating plate on this product may show some or all of the following symbols.

7.2. These represent important information about the product or instructions on its use.

			
Wear hearing protection. Wear eye protection. Wear respiratory protection.	Conforms to relevant safety standards.	Double insulated for additional protection.	Read the instruction manual.
			
Product conforms to RoHS requirements	General warning	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.	

8. ENVIRONMENTAL

- 8.1. Do not dispose of electric equipment together with household waste material! In observance of European Directive 2012/19/EC on waste electrical and electronic equipment and its implementation in accordance with national law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility. If electrical appliances are disposed of in landfills or dumps hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- 8.2. For further information on the disposal of this product, please contact your dealer or your nearest domestic waste collection service.



- 8.3. Reduce – Reuse - Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment.



- 8.4. When the product is no longer required, it must be disposed of in a manner which is compatible with the environment.

9. GENPOWER CONTACT DETAILS

- 9.1. Postal address;
Genpower Limited, Isaac Way, Pembroke Dock,
Pembrokeshire, SA72 4RW, UK.
- 9.2. Telephone contact number;
Office +44 (0) 1646 687880
- 9.3. Email contact;
Technical service@genpower.co.uk
- 9.4. Web site;
www.hyundaipowerequipment.co.uk

10. DECLARATIONS OF CONFORMITY

- 10.1. Genpower Ltd confirms that this Hyundai product conform to the following CE Directives;
- 10.1.1. 2006/42/EC Machinery Directive
 - 10.1.2. 2004/108/EC EMC Directive
 - 10.1.3. 2006/95/EC Low Voltage Directive

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