



THE TOOL COMPANY

300mm 1100W HOVER MOWER

■ STOCK No.68639

■ PART No.HM1100

• INSTRUCTIONS •

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS TOOL.



GENERAL INFORMATION

This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the tool itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.



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■ PART Nos.HM1100

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DECLARATION OF CONFORMITY

We
Draper Tools Ltd. Hursley Road, Chandler's Ford, Eastleigh, Hampshire.
SO53 1YF. England.

Declare under our sole responsibility that the product:

Stock No:- 68639.

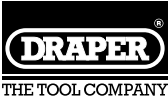
Part No:- HM1100.

Description:- 300mm 1100W Hover Mower.

To which this declaration relates is in conformity with the following directive(s)
98/37/EC, 89/336/EEC, 73/23/EC & 2000/14/EC

JOHN DRAPER
Managing Director

06/03/02



SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock No.	68639
Part No.	HM1100
Voltage	230V/50Hz
Motor (induction)	1100W
Cutting capacity (dia.)	300mm
Cutting height	1 (15mm)
RPM	7500
Recommended cutting area	400M ²
Sound pressure level	84db(A)
Sound power level	96db(A)
Vibration level	<2.5M/sec ²
Weight	8kg



GUARANTEE

Draper Tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the tool develop any fault, please return the complete tool to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone: (023) 8026 6355.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any personnel other than the authorised Draper warranty repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.








Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the 12 month period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.

POWER SUPPLY

CONNECTING YOUR MACHINE TO THE POWER SUPPLY: (230V ONLY)

To eliminate the possibility of an electric shock your machine has been fitted with a BS approved, non rewirable moulded plug and cable which incorporates a fuse, the value of which is indicated on the pin face of the plug. If the plug is marked with the  symbol and the fuse needs replacing, an  approved BS1362 fuse must be used of the same amp rating. If the plug is not  marked, a fuse with the  symbol,  BS Kitemark, or both  and  BS Kitemark, of the same amp rating should be used.

The fuse cover is detachable, never use the plug with the cover omitted. If a replacement fuse cover is required, ensure it is the same colour as that visible on the pin face of the plug (i.e. red). Fuse covers are available from your Draper Tools stockist.

If the fitted plug is not suitable, it should be cut off and destroyed. *The end of the cable should now be suitably prepared and the correct type of plug fitted. See below.

*WARNING:

A plug with bare flexible wires exposed is hazardous if engaged in a live power socket outlet.

WARNING: THIS APPLIANCE IS DOUBLE INSULATED.

The mains lead is coloured Blue - Neutral & Brown - Live.

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal in your plug marked with the letter 'N' or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red or brown.

EXTENSION LEAD CHART:

Extension lead sizes shown assure a voltage drop of not more than 5% at rated load of tool.

Ampere rating (on Name plate)	3	6	10	13
Extension cable length (Metres)	Wire Size mm ²			
7.5m	0.75	0.75	1.0	1.25
15m	0.75	0.75	1.0	1.5
22.5m	0.75	0.75	1.0	1.5
30m	0.75	0.75	1.25	1.5
40m	0.75	0.75	1.5	2.5

IMPORTANT:

An RCD (Residual Current Device) is recommended to be used for all applications. For example Draper Stock No.57779.



GENERAL SAFETY INSTRUCTIONS FOR POWER TOOLS

WARNING:

Please read the following instructions carefully, failure to do so could lead to serious personal injury. When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.

IMPORTANT:

Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

1. KNOW YOUR POWER TOOL

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

2. KEEP WORK AREA CLEAN

Cluttered areas and benches invite accidents. Floors must not be slippery due to oil or sawdust.

3. AVOID DANGEROUS ENVIRONMENTS

Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere.

4. KEEP CHILDREN AWAY

All visitors should be kept a safe distance from work area.

5. STORED TOOLS

When not being used, all tools should be stored in a dry, locked cupboard and out of the reach of children.

6. WEAR PROPER CLOTHING

Do not wear loose clothing, neckties or jewellery (rings, wristwatches) to catch in moving parts. NONSLIP footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves above the elbow.

7. USE SAFETY GOGGLES (Head Protection)

Wear CE approved safety goggles at all times. Normal spectacles only have impact resistant lenses, they are NOT safety glasses. Also, use face or dust mask if application is dusty and ear protectors (plugs or muffs) during extended periods of operation.

8. NOISE LEVELS

Some types of machines may have high noise levels when working. In such cases ear protection must be worn.

9. VIBRATION LEVELS

Hand held power tools produce different vibration levels. You should always refer to the specifications and relevant Health and Safety guide.

10. DUST EXTRACTION

If your tool is fitted with a dust extraction fitting, always ensure that it is connected and being used with a dust extractor. Vacuum cleaners can be used if suitable for the material being extracted.

11. PROTECT YOURSELF FROM ELECTRIC SHOCK

When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). If you are using a power tool in extreme conditions (e.g. high humidity or generating metal dust), always use an RCD (residual current device) at the power socket.

12. STAY ALERT

Always watch what you are doing and use common sense. Do not operate a power tool when you are tired or under the influence of alcohol or drugs.

13. WHEN WORKING OUT OF DOORS

Only use extension leads designed for that purpose.

14. ACCESS TO MAINS SOCKET

If a stationary machine is fitted with a moulded plug and cable, the machine should not be positioned so that access to the mains socket is restricted.

15. DISCONNECT POWER TO THE TOOL

When not in use, before servicing and when changing accessories such as cutters, etc.

16. AVOID ACCIDENTAL STARTING

Make sure the switch is in the OFF position before plugging the machine into the power supply.

17. NEVER LEAVE MACHINE RUNNING UNATTENDED

Turn power off. Do not leave machine until it comes to a complete stop.

18. DO NOT ABUSE THE CORD

Never carry the tool by the power cable or pull it from the socket. Keep the power cable away from heat, oil and sharp edges.

19. NEVER STAND ON TOOL

Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted. Do not store materials above or near the tool, so that it is necessary to stand on the tool to reach them.

20. CHECK DAMAGED PARTS

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be repaired properly or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.

21. KEEP GUARDS IN PLACE

And in working order.

22. MAINTAIN TOOLS WITH CARE

Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories. All extension cables must be checked at regular intervals and replaced if damaged. Always keep the hand grips on the tool clean, dry and free of oil and grease.

23. USE RECOMMENDED ACCESSORIES

Consult the owners manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.

24. REMOVE ADJUSTING KEYS AND WRENCHES

Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

25. SECURE WORK

Use clamps or a vice to hold work. This frees both hands to operate the tool.

26. DO NOT OVERREACH

Keep proper footing and balance at all times.

27. USE RIGHT TOOL

Do not force the tool or attachment to do a job for which it was not designed.

28. DO NOT FORCE TOOL

It will do the job better and safer at the rate for which it was designed.

29. DIRECTION OF FEED

Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

30. WHEN DRILLING OR SCREWING INTO WALLS

Always make sure there is no danger of hitting any hidden power cables, water or gas pipes in the wall.

31. HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON

This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

IMPORTANT NOTE:

Residual Risk. Although the safety instructions and operating manuals for our tools contain extensive instructions on safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!



ADDITIONAL SAFETY RULES FOR HOVER MOWERS

WARNING:

Please read the following instructions carefully, failure to do so could lead to serious personal injury. When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.

IMPORTANT:

Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

1. Always disconnect your mower from the electrical supply before cleaning, inspecting or adjusting any part of it, or if the supply cable has become damaged or entangled.
2. To protect your feet, always wear stout shoes or boots. Freshly cut grass is damp and slippery. Do not mow barefoot or in open sandals.
3. Always check that your lawn or cutting path is clear of all sticks, stones, wire or other debris. Contact with such debris may damage your mower and could be thrown by the blade.
4. Wear long trousers to protect your legs from any debris left on the lawn or cutting path that may be thrown by the blade.
5. Do not use your mower in the rain and do not allow it to get wet. Avoid using the mower in wet grass if possible.
6. Before using your mower visually inspect the blade and rotating parts for damage.
7. Keep children, animals and other adults at least 6m (20ft) away from the cutting area.
8. Start your mower carefully with feet well away from the blades.
9. When the motor is running the safety distance, given by the handle, must always be maintained.
10. Do not leave your mower unattended whilst it is connected to the electrical supply.
11. Never allow people unfamiliar with these instructions to use the mower.
12. Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
13. Under no circumstances should you attempt to turn your mower over on to its side whilst the motor is still running, or attempt to stop the blade, always allow it to stop on its own.
14. If the blade strikes an object, release the switch lever at once, disconnect your mower from the electrical supply and when the blade is stationary, turn your mower on to its side and examine the blades for damage. Repair or replace any damaged parts before restarting and operating the mower.
15. Always disconnect your mower from the electrical supply before lifting or carrying.
16. Stop the blade if the mower has to be tilted up for transportation when crossing surfaces other than grass.
17. Do not pull your mower towards you or walk backwards when mowing.
18. Walk, never run.
19. Always mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes and always wear non-slip footwear.
20. Mow only in daylight.
21. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
22. If the mower should start to vibrate abnormally switch the motor off, wait until the blade comes to a complete stop, disconnect the power supply and check immediately for the cause. Vibration is generally a warning of trouble.
23. Do not use solvent or cleaning fluids to clean your mower. Use a blunt scraper to remove grass and dirt. Always disconnect from the electrical supply before cleaning.

GETTING TO KNOW YOUR HOVER MOWER

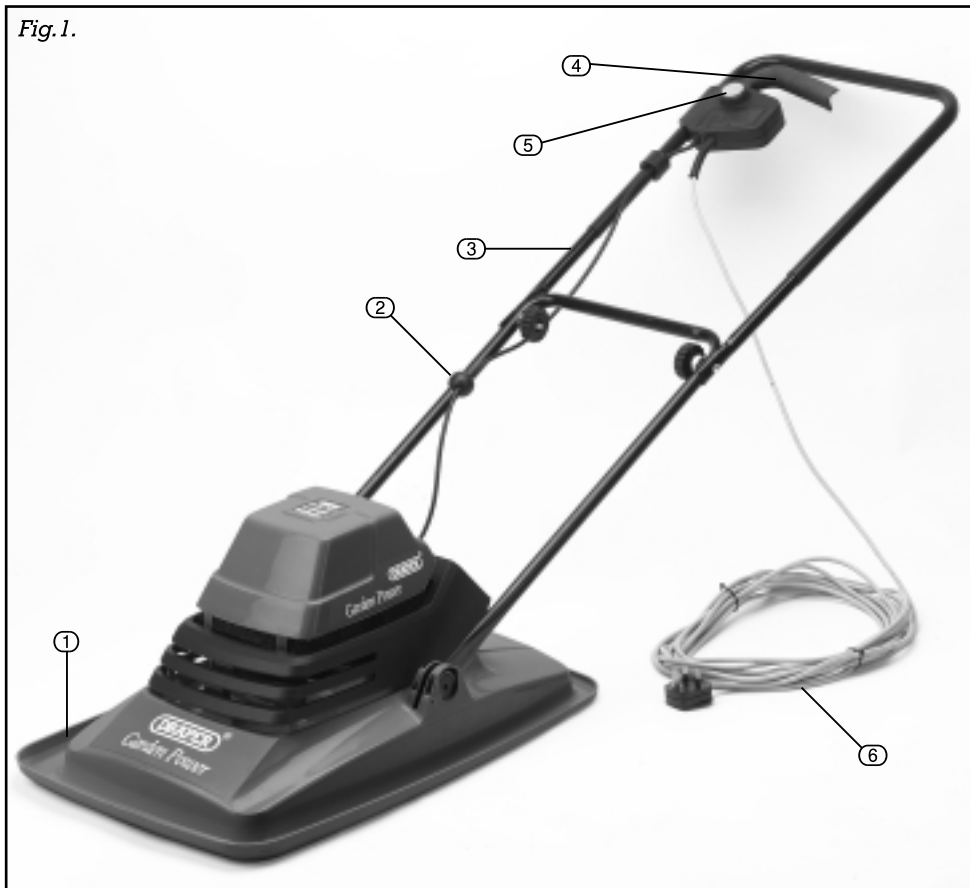


Fig. 1.

- ① Deck
- ② Cable Clamp
- ③ Handle
- ④ Trigger
- ⑤ Safety Switch
- ⑥ BS Moulded Plug & Cable

UNPACKING: After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the Hover Mower and contact the dealer from whom it was purchased.

The packaging materials (plastic bags, polystyrene etc.,) must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

ASSEMBLY

NOTE:

Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

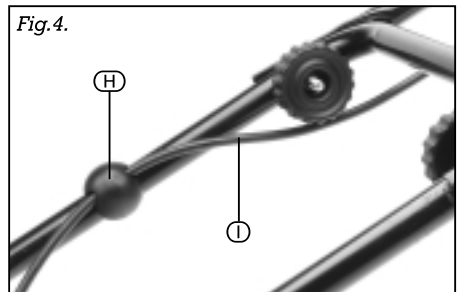
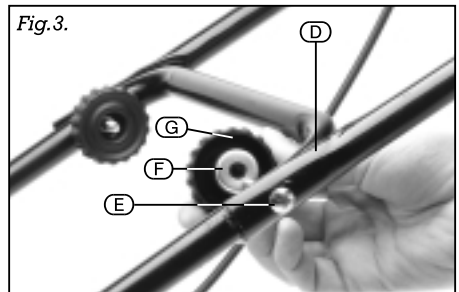
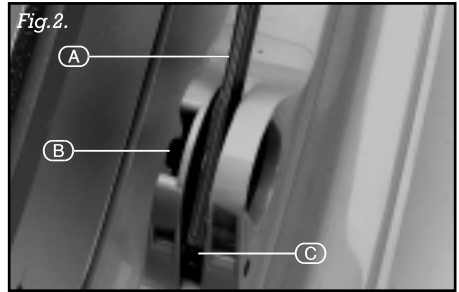
FITTING THE HANDLE: (Fig.2 & 3)

Pass the lower part of the handle (A) into the locating section of the deck. Pass the locking button (B) through the deck, the handle and other side of the deck. It will click into place when secure. Lower the end of the handle and the pin (C) will hold the angle for user comfort.

Position the upper section of the handle (D) onto the lower section, ensuring the cable from the motor is not tangled or strained. Pass the bolts (E) in through the handles, locating the square shoulder. Secure the handles with cap (F) and knob (G).

CABLE RESTRAINT: (Fig.4.)

Use the cable clamps (H) to restrain the motor to switch cable (I) on to the upper and lower sections of the handle.



OPERATION AND USE

Note: Draper Tools recommends that the Hover Mower is used with a Residual Current Device (RCD), Draper Stock No.57779.

SWITCHING ON/OFF: (Fig.5.)

The mower is equipped with an electrical safety switch to protect against accidental starting.

To start the mower, depress the safety lock off button (J) on the switch box, and whilst still depressed, pull the switch lever (K). The mower will start. Now release button (J). To stop the mower, release the lever (K).

IMPORTANT: It is advisable that when starting and stopping the Hover Mower, the deck should be tilted to avoid blade contact with the ground. Let the blade reach full speed and lay the deck flat to commence cutting.

NOTE:

Remove the plug from the socket before carrying out adjustment, servicing or maintenance.

BLADE REPLACEMENT: (Fig.6.)

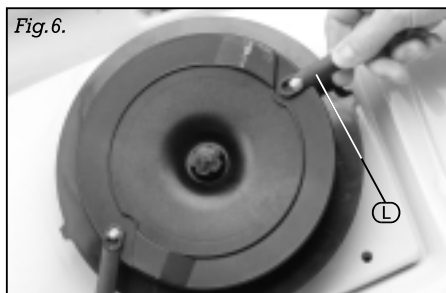
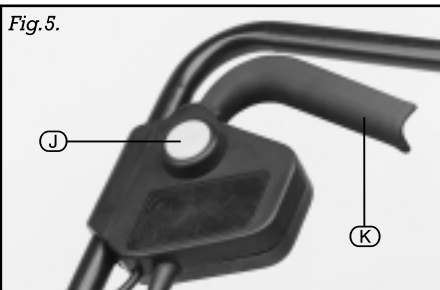
Turn the deck on to its side to access the blades.

Holding it out, push the blade (L) towards the centre which will release it from the catch.

It can now be removed. Fit the new blade and pull it out from the centre to lock in place.

Note: Blades should be replaced in pairs. Draper Stock No.68713.

This hover mower is intended for cutting grass only. Any other application is considered as misuse.





MAINTENANCE & TROUBLESHOOTING

Maintenance

Inspect the mower before each use for damage or loose parts.
Clean the mower after each use.

Fault	Remedy
Mower will not start	<ol style="list-style-type: none">1. Check power supply.2. Check the plug fuse and replace if necessary.3. With the mower disconnected from the power supply check the blade rotates. If the blade does not move, contact a service repair agent.
Mower vibrates in use	<p>Stop using immediately</p> <p>Disconnect the mower from the power supply, wait until the blade has stopped and then check to see if the blade bolt is loose, tighten if necessary. If the blade bolt is already tight contact a service repair agent.</p>



NOTES



SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

Stock No.	68639
Part No.	HM1100
Voltage	230V/50Hz
Motor (induction)	1100W
Cutting capacity (dia.)	300mm
Cutting height	1 (15mm)
RPM	7500
Recommended cutting area	400M ²
Sound pressure level	84db(A)
Sound power level96db(A)
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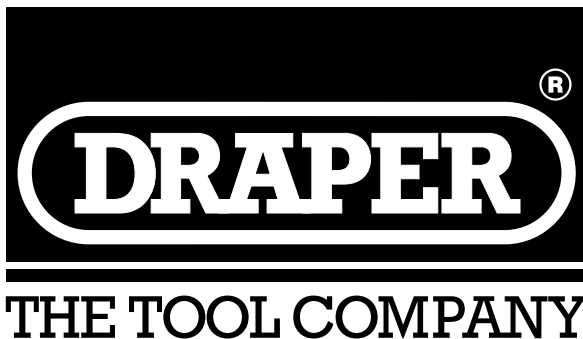
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This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

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Draper Tools Limited.



DRAPER TOOLS LIMITED,

Hursley Road, Chandler's Ford, Eastleigh, Hants. SO53 1YF. U.K.

Helpline: (023) 8049 4344.

Sales Desk: (023) 8049 4333.

General Enquiries: (023) 8026 6355.

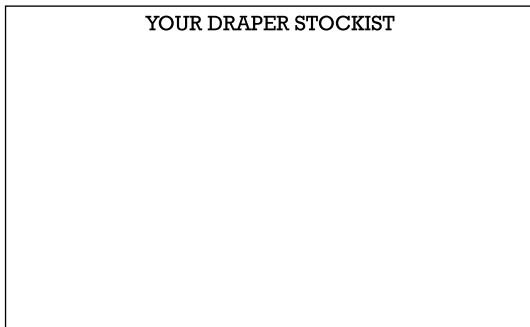
Fax: (023) 8026 0784.



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YOUR DRAPER STOCKIST



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