

# **Operating Instructions**

## **Manuel stripping machine**

### **Manual Device HQ35P**

V1.4



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# 1 Technical Data

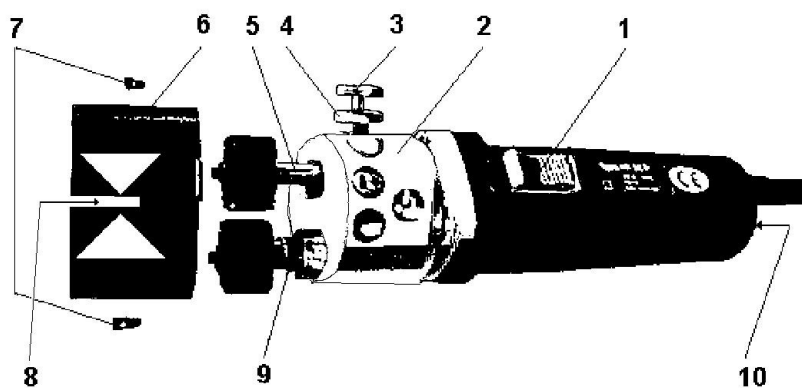
|                   |                                      |
|-------------------|--------------------------------------|
| Voltage:          | 115 V 50 - 60 Hz                     |
| Current:          | 3,6 A                                |
| Rotational Speed: | 1420 - 3320 1/min                    |
| Power:            | 350 W                                |
| Mode:             | continuous operation S1              |
| Brushes:          | special brushes, max. 35 mm diameter |
| Weight:           | ca. 2,41 kg                          |
| Protection Class: | 2                                    |
| Wire Diameters:   | round: 0,5 – 6 mm; profile: 1 – 6 mm |

Technical changes reserved.

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## 2 Parts List

- 1 on-off switch
- 2 gear housing
- 3 adjusting screw
- 4 lock nut
- 5 movable shaft
- 6 safety cover
- 7 fixing screw
- 8 opening for wire insertion
- 9 fixed shaft
- 10 controller circuit for rotational speed



### 3 Safety Hints



Please read through the operating instructions thoroughly before using the manual stripping machine. Following these instructions will avoid danger and achieve best results. Further safety hints can be found on a separate publication headed "Safety Instructions".

- The manual stripping handheld unit is built for commercial use.
- Check the cable and plug each time before using the wire stripper. Repairs to the cable and plug should be carried out by an expert.
- Do not hold down the on/off button while inserting the plug into the socket.
- The unit must not be used in wet, in damp or in explosion-prone conditions.
- Danger of retraction in the brushes' area! The operator must take particular care when operating the unit if he or she has long hair or is wearing jewellery. Wear a hairnet and put loose objects like jewelery away. Do not operate wearing loose fitting clothing.
- Keep away from the area of the brushes with your body parts.
- Pull the plug out of the socket before removing the safety cover (6). Snug down the loosened parts and refit the safety cover before switching on the unit again.
- (Führen sie die Anschlussleitung immer vom Gerät weg nach hinten.)
- Secure yourself through a stable stand.
- Do not carry the unit by holding the lead wire.
- No person that is younger than 16 years is allowed to use this unit.
- Use a dusk mask if you strip materials, which are dangerous to health.
- When you strip a wire, the wire warms up. Do not touch the wire immediately. Danger of burning.
- Always wear protective goggles and protective gloves.



## 4 Putting into operation

You can strip enameled copper wire (round or profile) with the manual stripping machine HP35P. Glass fibre yarn jacket and similar materials can also be removed easily. PVC and other thermoplastics have to be tried out.

The manual stripping machine is allowed to be connected to the electricity grid, if the voltage and frequency accord with the information on the rating plate.

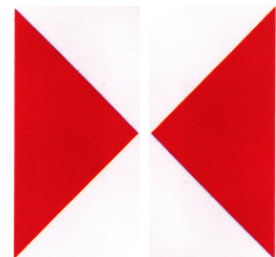
## 5 Method of Operation

If you work with new materials, always start with the maximum brushes' distance and the lowest rotational speed, level 1 at the controller circuit(10). You can regulate the brushes' distance with the adjusting screw(3) and fix it with the lock nut(4).

Switch on the unit. Insert the wire through the opening for wire insertion(8) to the brushes until it is caught by the brushes. Slowly reduce the brushes' distance by turning the adjusting screw(3) clockwise until the wire is just slightly caught. In order to achieve a better result, readjust the distance just a little bit and increase the rotational speed.

Use the whole broadness of the brushes for stripping. The brushes must not touch directly. Danger of overloading the device. Replace worn out or especially onesided worn out brushes in time.

If you don't want to strip at the beginning of the wire, but at the middle, insert the wire through the slot at front side of the unit. Follow the adjusting directions as described above.



## 6 Exchanging the brushes

Attention – follow the safety hints! Always pull the mains plug. Unfix the fixing screws(7) and remove the safety cover(6). Lock the brushes' shaft with a sprig. Remove the nuts in front of the brushes. Attention – left-hand thread on the movable shaft (5) and on the fixed shaft(9).

Change the brushes and re-tighten the nuts properly. Attach the safety cover(6) before you take the unit into operation.

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## 7 Tools

You should only use the recommended tools with type B35.\* for safety reasons. Basically use brushes with minor wire caliper for thin wires. For thick insulation material you should apply accordingly strong brush wire calipers.

## 8 Cleaning and Maintenance

Check regularly if the lead wire is damaged.

Keep the motor's exhauster openings clear and clean. Regularly blow out the motor with dry compressed air.

The carbon brushes have to be replaced by a qualified electrician – at the latest if they are only 5 mm thick. Only use original carbon brushes.

After about 300 operating hours the gear lube has to be renewed. After 6 months (3 months day and night shift operation) the stripping machine has to be cleaned thoroughly and maintained.

## 9 Maintenance and Reparation

Please keep in mind, that basically only qualified electricians may repair, maintain and check power tools under the terms of national regulations.

Inappropriate reparations endanger the user considerably.

Only use original spare parts. When you order spare parts, always quote the date of the rating plate.

## 10 Noise / Vibration / Check Information

The manual stripping machine is checked after VDE 0740 part 1 and part 1A1, DIN EN 292-1, DIN EN 292-2, DIN EN 294, DIN EN 563, DIN EN 414.

The maximum sound level is 75 dB(A) at 1m distance.

The hand-arm vibration is typically below 2,5 m/s<sup>2</sup>.

## 11 Guarantee

If you use the unit as intended, we grant 6 months guarantee beginning at the purchase date. Damages, that are caused by improper handling or normal fading, are not included in the guarantee.

Technical changes reserved.

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