



## **ELECTRIC CREPE**

### **MODELS**

**HF1 – HF2 – HF41 – HF42**

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These appliances comply with requirements of E.E.C 72/23 EN 60335-1 / 60335-2-42

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# ELECTRIC CREPE MACHINE

## HF1, HF2, HF41, HF42

### SPECIFICATIONS

The tables below refer to the specifications of models HF1, HF2, HF41, HF42.

#### Appliance's Dimensions

MODEL	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
HF1	420	430	200
HF2	940	4300	200
HF41	440	440	200
HF42	860	440	200

#### Electrical Supply

HF1, HF41 : 230V AC 50Hz

HF2, HF42 : 230V AC / 400V 2N AC 50Hz

#### IP Grating

IP 20

CE marking.

#### Power

MODEL	POWER IN TOTAL
HF1	2.250 Watt
HF2	4.500 Watt
HF41	2.400 Watt
HF42	4.800 Watt

## **Main Parts**

- Supporting feet.
- AISI 430 stainless steel body.
- Cast iron plates Ø35 (one piece for HF-1 and two for HF-2) & Ø40 (one piece for HF41 and two for HF42).

## **Electrical Components**

- Wire heating elements:  
HF1        1 x 2.250 Watt  
HF2        2 x 2.250 Watt  
HF41       1 x 2.400 Watt  
HF42       2 x 2.400 Watt
- 300°C Thermostat (one for HF1, HF41 and two for HF2, HF42)
- Indicating lamps for heating elements operation.  
HF1, HF41    : 1 piece  
HF2, HF42    : 2 pieces
- Fire resistant wiring.
- Terminals' fasteners.
- Gland for supply cord.
- Earth terminal.
- Potential equivalent terminal, marked P.A.
- Six polar polyamide connector strip for supply cord.

# 1. GENERAL INFORMATION

- ⇒ This technical manual includes instructions for the installation, operation, care and maintenance of crepe machines type HF1, HF2, HF41 and HF42 manufactured by **NORTH**. Please, read carefully and keep it for future reference. This manual should be referred to both by installing or service technicians and the operators of the equipment.
- ⇒ After you remove the packing make sure that no damage was caused during shipping. If in doubt, we recommend that an authorized technician examine the appliance before you proceed with the installation.
- ⇒ The appliance requires electrical connection. Before proceeding, make sure that main voltage meet the requirements of the appliance. This information is available on a label, on the right side of the appliance, as you face it. **In case of incongruence or if in doubt, do not connect the apparatus. Ask for the equipment to be checked by specialized personnel.**
- ⇒ **NORTH** crepe machines are commercial grade appliances and should, there for, be used by personnel who are specially trained in their use.
- ⇒ All procedures concerning installation and connection of the appliance must be carried out exclusively by specialized technicians according to specifications valid in the country where installation is taking place.
- ⇒ Before any routine cleaning, disconnect from electricity mains. The same procedure must be followed in case of malfunction of the appliance, while waiting for the service technician.
- ⇒ Any repairs must be exclusively carried out by authorized personnel using **original spare parts only**.
- ⇒ The manufacturer cannot be held responsible for damage caused to persons, animals or property due to misuse, tampering, unauthorized modification, or uses other than ones mentioned and / or considered in this manual.

## **2. TECHNICAL INSTRUCTIONS**

# **INSTALLATION AND SERVICE INSTRUCTIONS**

NORTH CREPE MACHINES ARE PROFESSIONAL EQUIPMENT.  
ALL ASSEMBLY AND CONNECTION PROCEDURES,  
TESTING AND REQUIRED REPAIRS  
MUST BE CARRIED OUT  
BY SPECIALIZED AND AUTHORIZED PERSONNEL ONLY.

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NORTH ENTERPRISES CANNOT BE HELD RESPONSIBLE  
FOR ANY NEGATIVE CONSEQUENCES IN CASE OF  
INTERVENTIONS BY NON-SPECIALIZED TECHNICAL PERSONNEL  
OR DUE TO NONCOMPLIANCE WITH FACTORY INSTRUCTIONS.

## 2.1 INSTALLATION OF THE APPLIANCE.....

After making sure the appliance is intact, place it in position so that it is stable and there is adequate operating space around it.

Make sure that all parts are at hand, i.e.:

- Crepe machine HF1, HF2, HF41 or HF42
- Paste forming tool.
- Instruction manual.

**Attention !** To avoid accidents, keep all packing materials (cardboard, plastic bags, metal items, etc) away from children.





**Important !** Install the crepe machine on a flat non-flammable surface, away from flammable walls.

## 2.2 ELECTRICAL CONNECTION.....



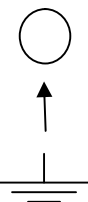
HF1, HF41: connect cord to socket.

HF2, HF42 : Depending on the available power supply connect the cables.

### α. Two phases power supply

H07RN-F 4 x 2,5				
Connect the phases to L1, L2. Connect the earth neutral to N1 or N2. Connect the earth.				

### β. Single phase power supply

H07RN-F 3 x 4			
With the provided bridges and short circuit L1, L2. Connect the phase to L1 or L2, the neutral to N1 or N2 and earth to earth terminal.			

- Connect P.A. terminal to water piping using a 10 mm<sup>2</sup> wire.

**IT IS STRONGLY RECOMMENDED TO USE A QUALIFIED ELECTRICIAN FOR ALL ELECTRICAL CONNECTIONS.**

**THE MANUFACTURER CANNOT BE HELD RESPONSIBLE FOR ACCIDENTS AND DAMAGE CAUSED TO PERSONS, ANIMALS OR PROPERTY DUE TO NONCOMPLIANCE WITH THESE INSTRUCTIONS.**

### 3.1 TURNING ON THE APPLIANCE.....

After making sure the appliance has been correctly connected to electricity, you can start using it.

Depending on the heating requirements select thermostat's position (0-300)  
Thermostat controls operation of heating elements and adjust the power:

The indicating lamps follow the operation of the corresponding heating element.

### 3.2 CLEANING AND MAINTENANCE.....

- \* Turn off the heating elements before any cleaning or maintenance procedures. Let the appliance cool and make sure it has been unplugged from the main supply.
- \* At the end of the working day, clean with wet cloth all metal parts of the appliance.
- \* Never use running water to clean the appliance

### 2.3 POSSIBLE PROBLEM.....

Even if the appliance is used correctly, some problems may arise for various reasons. The table that follows mentions some possible problems and some possible causes.

**In case of problem we control first if the electrical supply to the machine is right or not.**

POSSIBLE PROBLEM	POSSIBLE CAUSES
Machine is not operating	Check if there is damage to 1) all heating elements 2) the edge of cord connected with the heating element 3) the thermostat.
Non normal temperature	Possible temperature deviation of thermostat + - °C

### 2.3 REPLACEMENT OF ELECTRICAL ELEMENTS.....

To replace heating elements open the cover on the bottom of the appliance and release cast iron plate from body. Unscrew heating element and make the replacement.

**CUT OFF THE POWER SUPPLY BEFORE COVER REMOVAL.**

## **2.4 TRAINING.....**

The personnel who are to install and connect the appliance must train the users appropriately so that they can handle the operation and safety measures of the appliance.

### **ATTENTION !!!**

- Check that main voltage in your working area is suitable for the settings on the label and that the appliance is properly earthed.
- Before any service activity takes place or any parts are replaced on the appliance, make sure that main supply is turned off.

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