

# OMAC 355

HAMMERING MACHINE



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s/n .....

Month & Year of construction .....

## Machine identification card and description

Mod.: **OMAC 355** HAMMERING MACHINE

### General description:

OMAC 355 hammering machine for belts, shoes, leather goods factories and similar; to hammer folders made, wallets and bags. The down in is regulated by a registered knob. All the operations are controlled by front.. The hammering action is made by an anvil device and a hammer which low part is fix and adjusted in height, the upper part is mobile and equipped by a spring to absorb the impact with the anvil. At the end of the rivet the object in work the presents width less width. It doses not rivet any plastic or hard material more than 10 mm of thickness.

### Main features :

- Normally supplied only head .
- Single phase or three phase motor
- Maximum material thickness to hammer is 10 mm.

### Optional :

- Stand
- 

### Dimensions and weight :

<i>Operating dimensions:</i>	W=55 cm	H=125 cm	D= 70 cm
<i>Packed dimensions :</i>	W=60 cm	H=140 cm	D= 75 cm
<i>Net weight:</i>	85 kg		
Gross weight	90 kg		



**NOTE:** THE TYPE OF PACKAGING MAY VARY ACCORDING TO THE FINAL DESTINATION



### INFORMATION ON NOISE:

The machine works discontinuously with a continuous background noise level produced by the air intake. The daily personal noise exposure for the operator therefore depends both on the rate of work and the amount of time he operates the machine. The following maximum values were measured on the prototype examined at the maker's facilities:

Front position in work	<82 dB A wtd.	Tone component : n.r.
Front position without material	< 130 dB C	



Note: Measurement were made with the machine in normal installation and operating conditions; the tone components were measured with 1/3 octave filters in compliance with ANSI Class III specifications.



### ELECTRICAL SPECIFICATIONS:

Power input:	220/380/440 V	50 / 60 hz	earth circuit (Class 1)
Abs. power	370 W		



**NOTE : Before connecting the machine to the main power supply, always check that the main power supply voltage corresponds to the value stamped on the plate attached to the machine next to the power supply cable.**



## **ATTENTION!**

*THE MACHINE MAY ONLY BE CONNECTED TO THE MAIN POWER SUPPLY BY QUALIFIED ELECTRICIANS IN COMPLIANCE WITH CURRENT TECHNICAL REGULATIONS. TAKE GREAT CARE WHEN CONNECTING THE MACHINE TO EARTH AND WHEN CHECKING THIS IS IN GOOD WORKING ORDER.*

# PRELIMINARY OPERATIONS



## Unpacking and installation :

The machine is supplied packed in wood crate or a hard carton box with internal protections. .

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Move the machine using a fork lift truck with a load capacity at least 100 kg; and place it on a surface or table near the installation site . The machine installation site must be chosen so that there is enough free space around it ; this may never be less than 60 cm on each side , and 100cm. where the operator works. Make attention of wet surfaces , or liquid flooding areas (note the D.Lgs 626/94 regarding the characteristics

Of safety norms on work places). For further replacement of machines , is better to use a trolley which surface is minimum 100 x 90 cm .surface.



## CONNECTIONS TO THE MAIN POWER SUPPLY:

The machine is supplied complete with a cable suitable for the type of power supply used, the plug must be fitted by qualified electricians if this operation is not carried out by OMAC technicians.

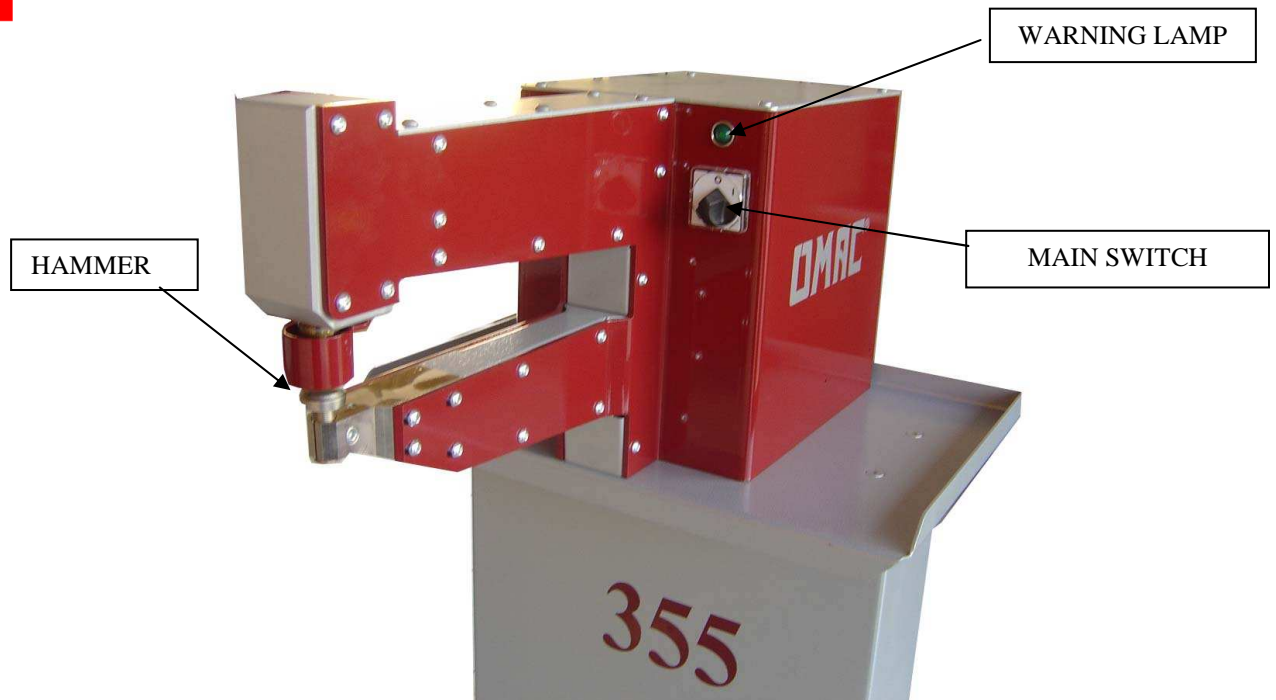


## USING THE MACHINE

Before adjusting, starting and using the machine, check all its components and remove the protective oil from its external mechanical parts. These operations may only be carried out with the machine disconnected from the main power supply



## SWITCHING ON AND STARTING:



- Turn the knob located on right side to "I" to power the control circuits.

The green warning lamp "TENSIONE" lights up on the control panel to show that the machine is powered.



## MAIN SETTINGS :

ADJUSTABLE FOOT

### Foot adjustment - anti-vibrating :

The 355 is equipped by 4 vibration damping feet of rubber for a better working and to avoid vibration transmission.

To get a solid support to the ground it is sufficient to adjust the only left back foot. .

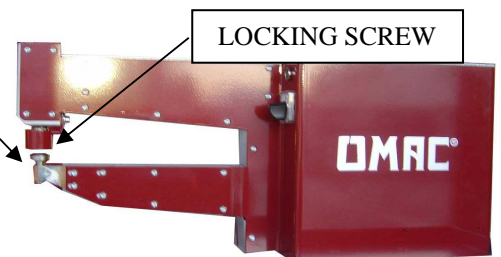


### Beating pressure adjustment:

ADJUSTABLE SCREW

LOCKING SCREW

1. Turn the machine on by turning the main switch in position " 0 " and disconnect the feeding cable ,
2. Screw out the locking screw on the right side of the lower beater by a setscrew wrench ,
3. Turn the screw under the beating zone clockwise by a setscrew wrench to widen the two beaters (anvil and

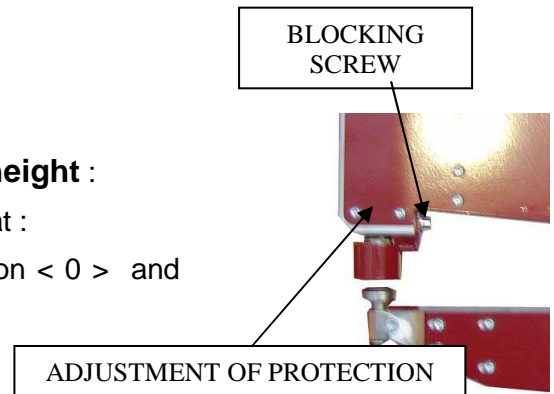


- hammer) anticlockwise to approach them ,
4. Tighten the fixing screw again .

### Protection regulation that is on the working zone in height :

This regulation is proportioned to the material thickness to beat :

1. Turn the machine on by turning the main switch in position < 0 > and disconnect the feeding cable
2. Widen the fixing screw on the back of the beating zone ,
3. Let the adjustable protection slide by hand along the slot up and beat materials more or less thick ,
4. Tighten the fixing screw .



**WARNING :** Regulate always the protection slide as well with protection not properly will done is high the risk squashing the fingers .



## MACHINE OPERATIONS

After making the adjustments indicated in the previous chapters, the machine can start production. Please remember , however, that machine reliability and long life depend on it being used appropriately for its characteristics and capacity, together with sufficient operator preparation.

### W A R N I N G

- *It is extremely important to pay the highest attention when You operate the machine because it is not possible to put a protective device in the beating zone C. Do not wander and rest if you are tired .*
- *Do not utilize the machine if You are used to faint or to temporary loss of clearness .*
- *Avoid to beat fragile objects or the objects in which there are fragile components , that could break and draft on the operator's face.*
- *Eventual objects leaned on the metallic plane on which the machine body or on the machine body could walk , reverse or fall for the vibration coming from the beating machine during its working.*
- *Do not remove the protections for any reason during the machine working.*
- *Each maintenance replacement or regulation operation that is not described in the manual handbook must be performed by specialized personnel.*
- *Do not utilize the machine if you are used to faint or to temporary loss of clearness.*



## **WARNINGS AND INFORMATION ON SAFETY DEVICES**

The 355 machine is fitted with two operator safety systems:

- 1- Adjustable covering in the beating zone to restrict the entrance to minimum necessary.
- 2- Fix protection , on the upper line , as cover for transmission group .
- 3- Fix protection as cover for motor.

If the machine should work irregularly, stop using it immediately and contact the OMAC Service centre; users may not carry out any maintenance operations except the normal cleaning with compressed air.

Use a clean damp cloth and just a little detergent if necessary to clean the surfaces of the guards; never use benzene , trichloroethylene, turpentine or other solvents.

Please remember that the Law severely punishes those who modify or tamper with the machine causing its level of safety to be reduced.

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## **Attachments:**

- Spare parts list
- Pneumatic diagram

# 11 EMISSIONE SONORA DELLA RIBATTITRICE MOD. 355

Dossier n. RAM 94. 2024 - 355

## DESCRIZIONE DELLA LAVORAZIONE ESEGUITA DURANTE LE PROVE

Dati forniti dal costruttore	unita' di misura	condizioni normali	condizioni particolari definite secondo accordi
caratteristiche utensili			
Ribattitore superiore mobile	tipo	standard	
Ribattitore inferiore regolabile in altezza	tipo	standard	
Tutti gli utensili sono forniti a corredo della macchina			
dati lavorazione			
Schiacciatura ( martellatura ) delle coste di pellame gia' cucite			
Lavorazione di pezzi sfusi in pelle di varie lunghezze			
Cistanza tra il ribattitore inferiore ed il ribattitore superiore durante la fase di discesa	mm	Zero	
Caratteristiche del(i) pezzo(i) in lavorazione			
Pezzi in pelle naturale spessore	mm	1.2	
ripiegati n. 3 volte spess. totale	mm	3.6	

vostre informazioni " rumore "

Per gli stati della CEE che hanno gia' raccolto la direttiva 89/392 indicare:

Leq al posto operatore in condizioni operative

82 dB ( A )

Lpc al posto operatore in condizioni operative

< 130 dB ( C )

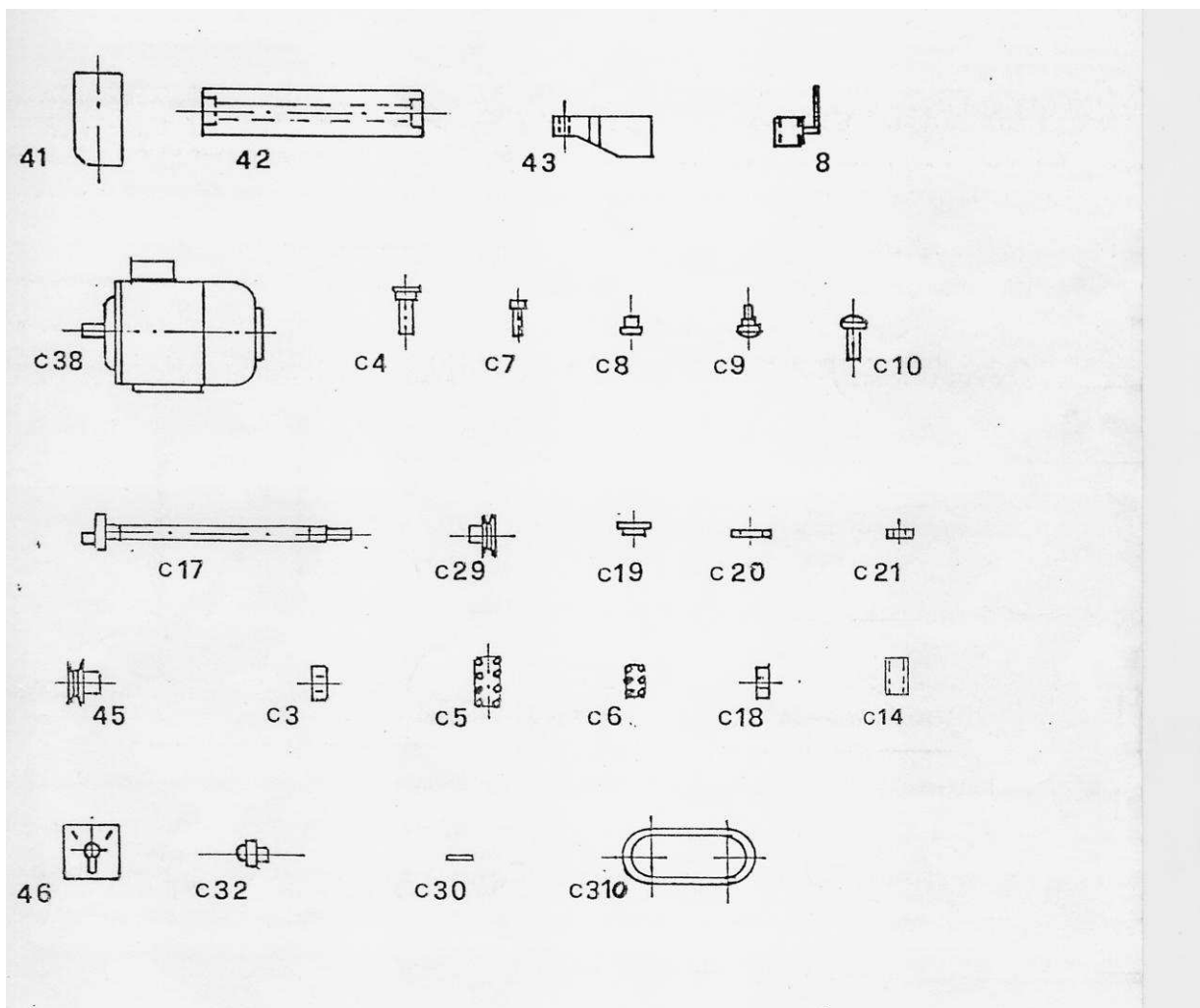
Leq al posto operatore a vuoto

< 70 dB ( A )

Lpc al posto operatore a vuoto

< 130 dB ( C )

Note:



C3	CUSCINETTO	C21	RONDELLA NYLON
C4	PISTONCINO	C29	PULEGGIA ALBERO ECCEN.
C5	MOLLA PISTONCINO	C30	CHIAVETTA
C6	MOLLA PERNO	C310	CINGHIA z19
C7	PERNO	C32	PORTALAMPADA SPIA
C8	GHIERA PISTONCINO	C38	MOTORE
C9	RIBATTITORE SUPERIORE	8	PROTEZIONE
C10	RIBATTITORE INFERIORE	41	TESTINA
C14	BOCCOLA 22X28X30	42	SUPPORTO ALBERO
C17	ALBERO ECCENTRICO	43	SUPPORTO INCUDINE
C18	CUSCINETTO	45	PULEGGIA MOTORE
C19	DISTANZIALE	46	INTERRUTTORE
C20	RONDELLA FELTRO		

## 8.2 Schema impianto elettrico ribattitrice mod. 355

Fig. capitolo 8.2

