

univer WM3V/T-WM4V/T

WELDING MACHINE 3-4
HEADS WITH V PLATE-TURRET



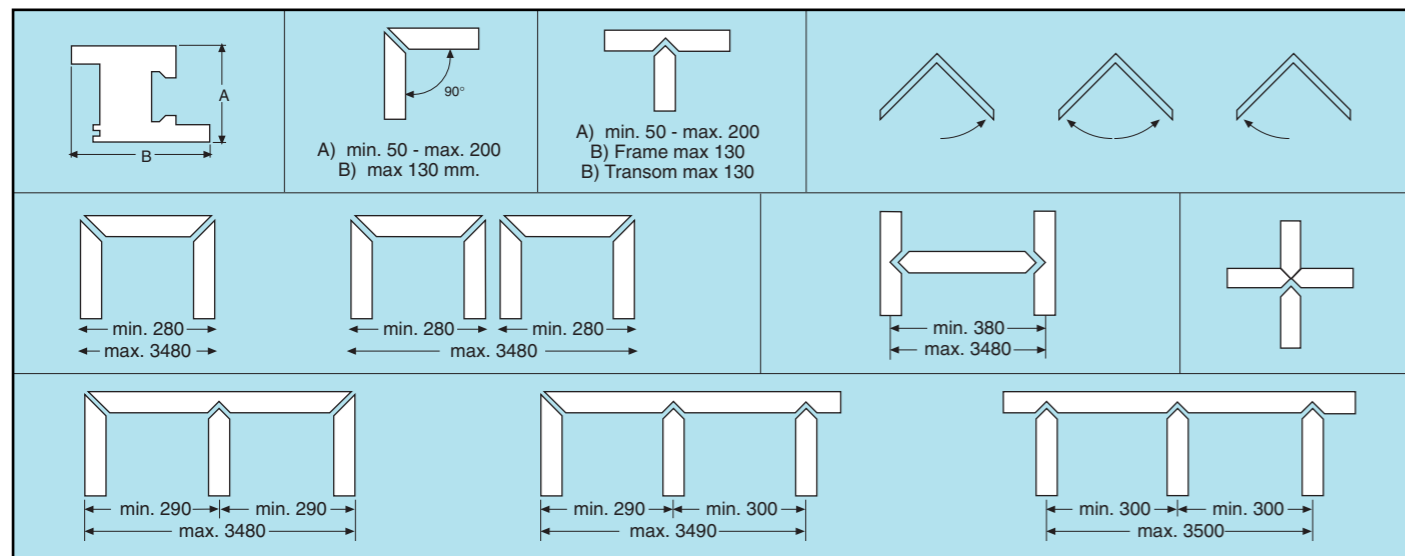
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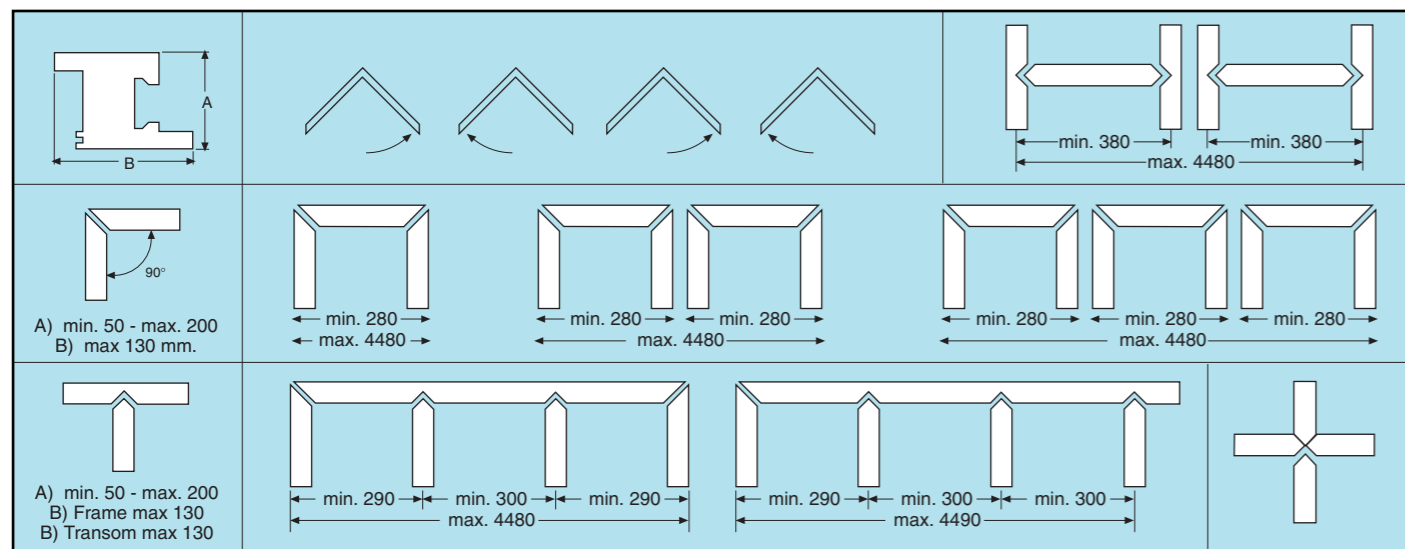
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WELDING MACHINE 3-4
HEADS WITH V PLATE - TURRET

WM3V/T



WM4V/T



TYPE	VOLTAGE - THREE PHASE	PLATE POWER	WORKING PRESSURE	AIR CONSUMPTION	DIMENSIONS	WEIGHT
WM3V/T	400 V - 3Ph + N + G 50/60 Hz	2000 W.x 3	6 - 7 BAR	129 nl/c	4270x2300x950	1400 Kg
WM4V/T					2000 W.x 4	

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Mechanical features:

- Steel base with rigid structure for stable and accurate operation.
- All welding heads mounted upon precision ground bars with roller bearings.
- Heads manufactured with steel casting for maximum accuracy and robustness.
- Quick change turret facility via pneumatic brake.
- Steel safety guarding.
- Fully automatic programmable back fences.
- Quick change welding fixtures dowelled for accuracy and repeatability.
- Self Alignment system for the heater plates with linear guides.
- One touch pneumatic braking on all moving heads.
- Fast and easy cleaning of the heater plate/ Teflon changing.
- Mechanical safety system on each pneumatic profile clamping cylinder.
- Adjustable heated welding seam restrictor knives, controlled via the PLC.
- Control buttons mounted on each head for maximum ease of operation.
- Revolving fence for longitudinal movement of the heads for a quick and easy regulation of the difference between welding at 90° and welding of transoms.
- Heavy duty and adjustable profile support arms.
- Welding blocks supplied upon request.

Pneumatic specification:

- Large, heavy duty pneumatic cylinders for clamping, equipped with adjustable pressure regulation to avoid profile distortion.
- Electrovalve group installed on each head for simplification and ease of maintenance.



Electric and electronic characteristics:

- Electronic control boards installed on each head.
- PLC electronic card (one for each head) controlling working cycle, temperature of heating plate, temperature of the heated knives and melting and welding times.
- Cable activated clamping. This clamping can be carried out over the full length of the machine.
- A soft-touch user interface with LCD display. This interface controls and displays the status of the working cycle. The operator can also modify welding parameters using the keyboard.
- Heating plate temperature controlled by a PLC electronic card with an accuracy of +/-2°.
- Double hand operation in accordance with standard safety regulations.

Software:

- Capability of modifying welding parameters from the user interface.
- Capability of Error message display, to assist in possible fault identification.
- All head combinations and working modes can be selected from the keyboard.
- Service messages displayed to the operator through the LCD display.

Mechanical set-up of welding parameters:

- Standard welding seam limitation of 2 mm.
- Standard profile reduction of 2,5 mm per side (5 mm in total).

