

univer WM3V/T-WM4V/T

WELDING MACHINE 3-4
HEADS WITH V PLATE-TURRET



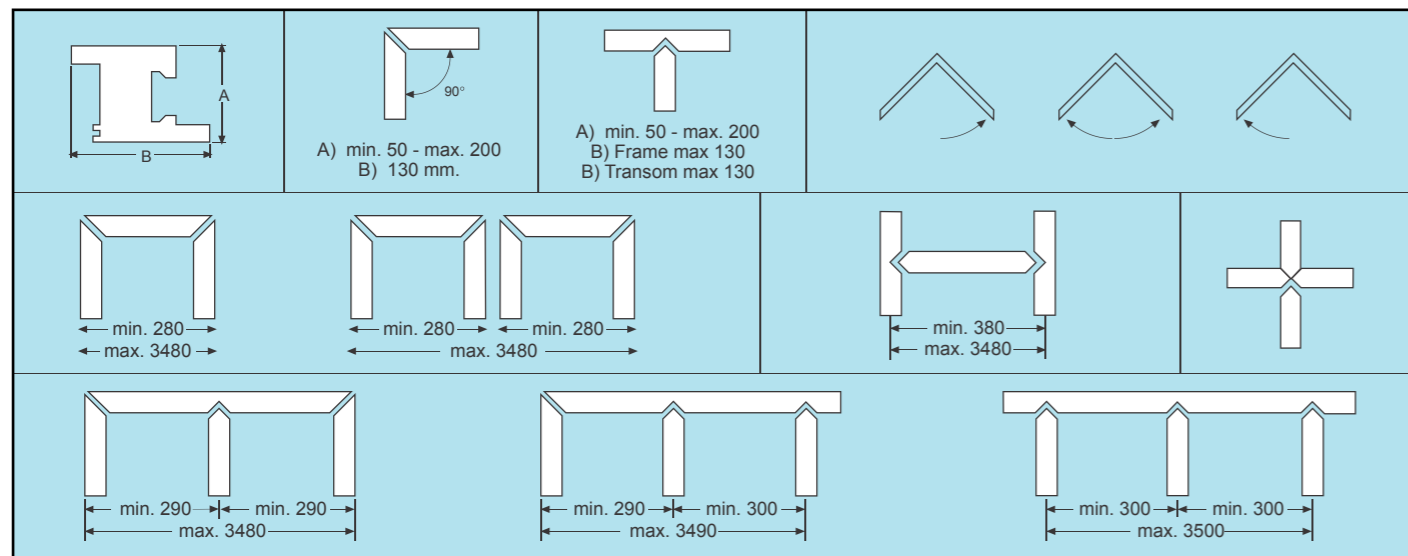
PERTICI



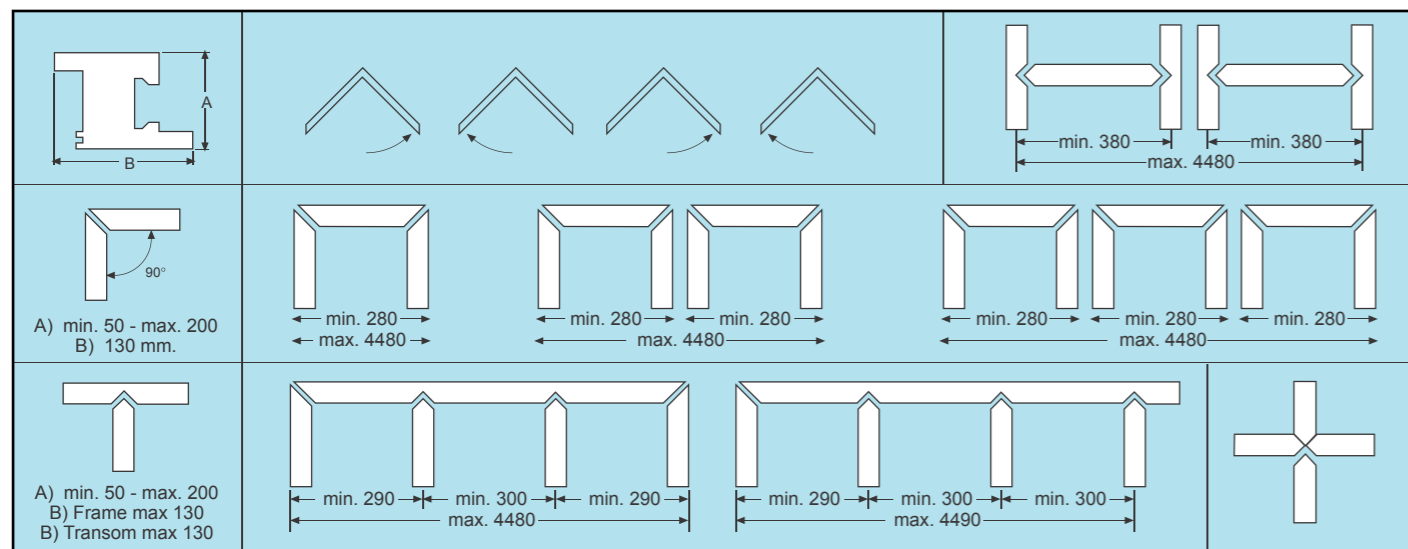
univer WM3V/T-WM4V/T

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 - 50/60 Hz	2000 W.x 3	6 - 7 BAR	129 nl/c	4270x2300x950	1400 Kg
WM4V/T					5270x2300x950	

La ditta costruttrice si riserva il diritto di modificare i dati qui sopra riportati senza nessun preavviso. / The manufacturer reserves the rights to change the above mentioned informations without. Der Hersteller hat das Recht, die obengenannten Daten zu aendern, ohne Voranzeige geben. / L'usine se reserve le droit de changer les informations metionees sans aucun avis.



PERTICI S.P.A.

VIA DELLE CITTÀ, 41/43 - 50052 CERTALDO (FI) ITALY
Tel. +39 0571 651204 - Fax +39 0571 652991
e-mail: pertici@pertici.it - http: //www.pertici.it



PERTICI CERTALDO (FI)



Mechanical features:

- Steel base with rigid structure for a stable and accurate working.
- Movement of each head on cemented bars with ball-bushings.
- Heads made as iron casting for maximum accuracy and robustness.
- Turret heads very easy to be moved for welding H configurations.
- Steel covers to protect the operators from machine's dangerous areas.
- Automatic pneumatic back fences for positioning the V-notch profile on positioning plates.
- Quick and easy release of fixtures for counterblocks for changing the mechanical set-up of each single head when changing from a 90° to a transom welding operation.
- Self-alignment system for the heating plate with linear guides.
- Blocking of each head with pneumatic break with command button.
- Mechanical system for an easy and safe change of teflon on the heating plate.
- Positioning system for profile for each head.
- Mechanical safety system installed on each pneumatic cylinder for profile clamping to guarantee a quick and safe clamping system.
- Heated knives for limitation of welding seam with temperature controlled by a PLC and tunable from the front panel.
- Control buttons installed on each head.
- Handwheel for longitudinal movement of the head with decade counter for a quick and easy regulation of the difference between welding at 90° and welding of transoms.
- Moving stub for cables to avoid cables wearing during head's movements.
- Supporting arms with quick and easy regulation of supporting plate.
- Counterblocks supplied upon request.



Pneumatic characteristics:

- Pneumatic cylinders for movements control.
- Electrovalves group with LED installed on each head for a simpler pneumatic schematics so as to facilitate the maintenance on the machine.
- Big pneumatic cylinders for profiles clamping, equipped with pressure regulators for a correct clamping and avoid profile's bending.

Electric and electronic characteristics:

- Electric board controlling each electronic card installed on each head.
- PLC electronic card (one for each head) controlling working cycle, temperature of heating plate, temperature of heated knives and melting and welding times.
- Cable activated by foot for clamp confirmation. The confirmation can be done from every position because the cable run along the whole length of the machine.
- User interface through an LCD display for setting up the working mode, modifying welding parameters and displaying the status of the working cycle and possible error messages.
- Heating plate temperature controlled by a PLC electronic card with an accuracy of $\pm 2^\circ$ with respect to standard $\pm 7^\circ$ achieved with standard thermoregulators.
- Double hand command for starting working cycle according to standard safety rules.

Software:

- Possibility to modify welding parameters from the user interface.
- Possibility to define from the control's keyboard the working mode with selection fo head's combination.
- Possibility to start the working cycle from the keyboard available on each welding head.
- Possibility to weld simultaneously two frames.

Mechanical set-up of welding parameters:

- Standard welding seam limitation of 2 mm.

