



Model Sample

OMISA WhiteLine HWT 400 Manual

This member of the **OMISA** workshop technology series is used for the manufacture of segments, Tees, Ys, and crosspieces made of PE, PP, PVDF and ships **fitted with cast aluminium clamping jaws**.

The design of the machine is such that segments up to O.D. 400 mm and Tees, crosspieces, and Ys up to O.D. 315 mm with any SDR ratio can be processed.

The system was developed under the machinery directive 2006/42/EC as amended and is set on a welded and bolted, totally heavy-duty support frame resistant to warping by design. Both the movable carriage of the system and the console carrying the

heating element and the facing tool travel on precision-engineered, heavy load-bearing trapeze-shaped guides constructed with precision-matched runner blocks. The PTFE-coated heating element managed by a microcontroller turns conveniently and effortlessly around its axis for insertion and removal. The two clamping jaws can be swiveled by up to 2 x 22.5 deg. on both sides and feature horizontal adjustability, to allow for compensating any misalignments. The facing tool has a rugged chain drive mechanism and can be inserted and fastened between the component butts easy as ABC using a gas-pressurized cylinder.

OMISA HWT 400 Manual characteristics

P/N	HWT400-M
Technical specs	
Voltage	3 ph., N, PE, 400 V AC \pm 10 %
Frequency	50/60 Hz
Overall rated power	9 kW
Heating el. rated power	5 kW
Facing tool rated power	1.85 kW
Hydr. unit rated power	1.5 kW
Dimensions, weights	
Dimensions (W x D x H)	approx. 1100 x 1500 x 1600 mm
Weight, incl. clamping jaws	642 kg
Operating specs	
Heating element temperature range	max. 290 °C max. 555 °F
Hydraulic pressure range	max. 120 bar max. 1740 psi
Ambient temperature (operating)	\pm 0 °C thru + 60 °C 32 °F thru 140 °F
Ambient temperature (stored)	- 10 °C thru + 70 °C 15 °F thru 160 °F

Operating range		
Straight pipe Segments	90 - 400 mm	
Tees, crosspieces, Ys	90 - 315 mm	
Approvals, quality, ingress protection	CE, ISO 9001 : 2015, IP 20, WEEE reg. no. DE 74849106, RoHS-compliant	
Accessories	User's manual DE, EN, FR, ES, RU, operator ID card, tools	
Optional components		
Replacement blade	P/N	315-109-026
Additional cylinder	P/N	200-260-410
Welding neck support clamping system	P/N	406-010-001
Clamps for Tees / cross-pieces	P/N	200-260-403
Reducer set	P/N	200-260-404
Clamps for Ys (60 deg.)	P/N	200-260-407
Reducer set	P/N	200-260-408

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