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Technical Data - Butt Welding Machinery Modell S econo



Picture: INGENIA 30.25 S econo

Technical data of machinery model xx.25 S econo:

	unit	15.25 S eco	20.25 S eco	30.25 S eco	40.25 S eco
Main dimensions					
Length	mm	2700	3200	4200	5200
Width	mm	1200	1200	1200	1200
Height/ Height of table	mm	1200/900	1200/900	1200/900	1200/900
Machinery weight	to	0,8	1	1,5	1,9
Range of application					
Max. working width	mm	1550	2050	3050	4050
Weldable sheet thickenss	mm	2-25	2-25	2-25	2-25
Space between Clamp and table	mm	27	27	27	27
Minimum square cross section	mm	210 x 250	210 x 250	230 x 290	230 x 290
Minimum diameter	mm	500	500	500	500
Clamping area pe table		1	1	1	1
Energy supply					
Electrical		50-60 Hz			
Performance	kW	3	3	4	7
Electrical connector	A	CEE16/400V	CEE16/400V	CEE16/400V	CEE16/400V
Pneumatic	bar	7	7	7	7
Machinery forces					
Clamping forces at 7 bar / 10 bar	kN	7 / 12	11 / 16	16 / 23	21 / 30
Minimum table forces	N	250	300	400	500
Maximum table forces	N	4500(5625)	6000(7500)	9150(11250)	12150(15188)
Heater unit					
Heating element		25 x 50 mm	Tefloncoated	T _{max} = 260°C	



Basic equipment of the machinery:

Solid frame welded of hollow section profile

Easy to align tables

Single valve technology for easy spar part change

Fixed control panel, opposite of opening side

Safety wire alongside of the machine for possible emergency case

1 digital temperature regulation system, with display for set and real temperature

3 digital timers for each time step, with set and real time

Temperature control integrated in start process of weld cycle. If temperature is out of tolerated temperature range the machine will not release Start

Possibility to interrupt or extend actual program step

Automatic weld cycle

Clamping beam with quick releasing bolts to take out welded pipes

Flexible mounted clamping plates, non-rotating, with anti-skid covering

Heating element with Teflon- coating 25 x 50 mm

Integrated alignment beam made of stainless steel

Extension arms with Polyethylene covering

Weldable material: PE / PP / PVC/ PVDF

Paint: red / grey

******Change of technical data always possible******