

Data-Sheet M-936L/M-936Li

MECHANICAL	M-936L	M-936Li	
Overall Dimensions (H x W x D)*	2950 x 3780 x 2320		mm
Dimensions with open Doors (H x W x D)*	2950 x 4580 x 3370		mm
External hydraulic aggregate (H x W x D)*	1290 x 1000 x 800		mm
Upper Fixture (oscillating Head, W x D)	1.400 x 540		mm
Lower Fixture (W x D x Level above Floor incl. Slide table)	1.750 x 700 x 728		mm
Clearance between the Column Supports	1.880		mm
Clearance between the Slide Table and the Head	1190 – 1590 (steps 50mm)		mm
Table Stroke	0–750		mm
Min. Tooling Height	450 – 850		mm
Weight (approx value depend of options)	approx. 11.600		kg
OSCILLATING HEAD			
Type	150 kg (PPL)		
Kinematics	linear vibration		
Frequency(nominal,depending on the Tooling Weight)	ca. 100		Hz
Amplitude	0,9 – 2,0		mm
Tooling Weight	100 – 200		kg
Performance (Weld Area, depending on the Material)	50-750		cm ²
Positioning Accuracy	*+/- 0,05		mm
DRIVE SYSTEM			
Type	Branson Frequency Inverter		
Power Consumption	37		kW
MACHINE CONTROLS			
PLC Type (standard, alternative: see Spec.)	Siemen S7-300 (profibus)	Soft-SPS(Soft., IEC 1113,profibus)	
OP Type (standard, alternative: see Spec.)	Siemens OP 277 (profibus)	Branson VC-100 (PC-control)	
Table Position Control	full stroke (profibus)	full stroke (profibus)	
Penetration Control	closed loop (profibus)	closed loop (profibus)	
HYDRAULICS			
Type (standard, alternative: see Spec.)	Vickers		
Clamp Force	max. 25.000 (reserve: + 10.000 N)**		N
Oil (required Capacity for Setup, Specification)	160 l, 32c St/40°C (H-LP32)		
Stroke Speed of the Table	max. 250		mm/s
PNEUMATICS			
Type (standard, alternative: see Spec.)	Festo		
Input Air Pressure bar	6 – 10		
Functions (standard, alternative: see Spec.)	6		
SOUND ENCLOSURE			
Type (standard, alternative: see Spec.)	normal		
Noise Emission (DIN 45635)	< 80		dBa
Front Door (H x W x Level above Floor)*	1.200 x 1.990 x 800		mm
Maintenance Door (High from floor x W)*	2070 x 1950		mm
Standard color (Outside / Inside of machine)	RAL7035 (Light grey) / RAL7011 (Iron gray)		
CONNECTIONS			
Pneumatical	1/2 "		
Electrical	3 x 400 V, N, PE, 50Hz		
Power Consumption	41		kVA
Max. Current (main Fuse)	50 (63)		A
Electrical connection	5 x 16 mm ²		
Data Interfaces USB, modem	USB	USB, modem	
AMBIENT CONDITIONS			
Temperature***	min +15 – max. +35		°C
Humidity (no Condensation)	30 – 95		%
Altitude (above Sea Level)	max. 1000		m

*Dimensions can be a little bit different due to switches, pneumatic input unit, rubber elements, tolerances and another components.

**Depends on the selected options

*** If ambient temperature is higher there is recommendation to order air condensation unit for electro cabinet.



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All specifications subject to change without notice. All dimensions are nominal.
All units are CE compliant and comply with FCC rules and regulations governing radio frequency interference.



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