

Data-Sheet M-934L / M-934Li

MECHANICAL	M-934L	M-934Li	
Overall Dimensions (H x W x D)*	2950 x 3570 x 2320		mm
Dimensions with open Doors (H x W x D)*	2950 x 4370 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)	1.750 x 700 x 728		mm
Clearance between the Column Supports	1880		mm
Clearance between the Table and the Head	min. 1027 – max. 1528		mm
Table Stroke	0 – 750		mm
Min. Tooling Height	290 – 790		mm
Weight (approx value depend of options)	approx. 10.000		kg
OSCILLATING HEAD			
Type	125 kg		
Kinematics	linear Vibration		
Frequency (nominal, depending on the Tooling Weight)	approx. 100		Hz
Amplitude	0.9 – 2.0		mm
Tooling Weight	90 – 160		kg
Performance (Weld Area, depending on the Material)	50 – 500		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	6 – 10		bar
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 1.900 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, 50		Hz
Power Consumption	41		kVA
Max. Current (main Fuse)	59 (63)		A
Electrical connection	5 x 16		mm ²
Data Interfaces	USB	USB, modem	
AMBIENT CONDITIONS			
Temperature**	min +15 – max. +35		°C
Humidity (no Condensation)	30 – 95		%
Altitude (above Sea Level)	max. 1000		m

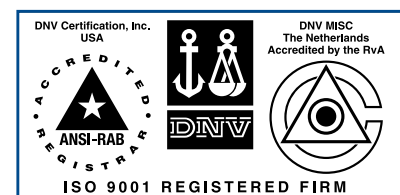
*Dimensions can be a little bit different due to switches, pneumatic input unit, rubber elements and tolerances.

** 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.



Americas

Branson Ultrasonics Corp.
41 Eagle Road
Danbury, CT 06810, USA
T: 203-796-0400
F: 203-796-0450
Toll Free: 800-732-9262
www.bransonultrasonics.com

Europe

Branson Ultraschall
Niederlassung der Emerson
Technologies GmbH & Co. OHG
Waldstrasse 53-55
63128 Dietzenbach, Germany
T: +49-6074-497-0
F: +49-6074-497-199
www.branson.eu

Asia

Branson Ultrasonics (Shanghai) Co., Ltd.
758 Rong Le Dong Road
Song Jiang, Shanghai, PRC, 201613
T: 86-21-3781-0588
F: 86-21-5774-5100
www.branson.com.cn