

	Unit	MPS-Z(C) Automated			
Temperature Control			General		
Cooling	yes / no	yes	Power consumption typical (steady state)	W	approx. 280
Temp. minimum	°C	30 (at RT above 25, RT + 5)	Power consumption typical (startup heating, humidity, etc.)	W	approx. 605
Temp. maximum	°C	40	Power consumption max. (type plate)	W	1000
Setting, digital	°C	0.1	UPS		yes, for software
Temperature distribution at 37/85% r.H.	± °C	≤ 0.35	Power cable length	mm	300 (CH & AU: 250)
Power of heating (electric)	W	125	Incubation gas volume	L	230
Power of cooling (electric)	W	140	Weight	kg	260 - 270
Principle of temp. sensor	type	Pt-100	Illumination	type	LED
Air recirculation	m ³ / h	373.4	Interface, standard		Ethernet TCP / IP, CAN-Bus service only
Humidity Control			Parent / child		Always child
Humidity max. at 30 - 40 °C	% r.H.	85	Ambient temperature	°C	10 - 35
Humidity min. at 30 - 40 °C	% r.H.	70	Cable feedthrough port (side port)	mm	40
Setting, digital	% r.H.	1	Dimensions (L x D x H)	mm	1107.5 x 892.5 x 984
Accuracy absolute	± % r.H.	2	Sound Level @1000 rpm	dB	< 59
Power of waterbath heater	W	180	Compatible MTPs type		DWP 96/48/24/12/6/2
Power of door (front & back) and frame heater	W	180	Automation		
Water refill		automatic	MTP access time	seconds	65
Principle of hum. sensor	type	capacitive	Sample rate recording		Every 5 second, 3 month recorded
Principle of hum. control	type	evaporation & recondensation	Connection		TCP sockets / SiLA 2
CO ₂ Control*			Parent / child		Always child
CO ₂ max.	%	20	Command response		Response in JSON format
CO ₂ min.	%	0	Manual door open request time	seconds	30
Setting, digital	%	0.1	Emergency stop		yes
Accuracy absolute	± %	0.40 at 5% CO ₂	barcode reader (code types...)		optional
Temperature range	°C	up to 40	static nest (maximum size)		ANSI Format +- LBT
CO ₂ supply	bar	max. 2 bar overpressure	Robotic system		4 axis SCARA
Principle of sensor	type	Infrared	Transfer platform direction		Right / Left
Shaking Control					
Motor	type	direct drive			
Shaking diameter	mm	3 - 50, adjustable			
Shaking motion	type	orbital			
Shaking frequency range at 3 mm	rpm	0, 20 - 1000			
Shaking frequency range at 12.5 mm	rpm	0, 20 - 500			
Shaking frequency range at 25 mm	rpm	0, 20 - 400			
Shaking frequency range at 50 mm	rpm	0, 20 - 300			
Loading max.	kg	16 DWPs with Duetz & Clamp (10 kg)			
Setting, digital	rpm	1			
Accuracy absolute	± rpm	20 - 800 rpm = 0.5 > 800 rpm = 1			
Acceleration		automatic			
Active brake		automatic			
Tray Positioning System (TPS+)		yes, automatic			
Power of standard motor (EM-Z HS)	W	140			

Technical data subject to change