



CompaCLEAN

Technical Data Sheet

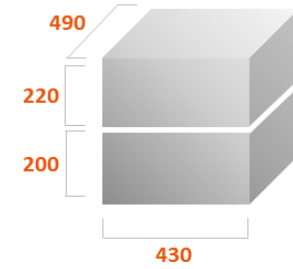
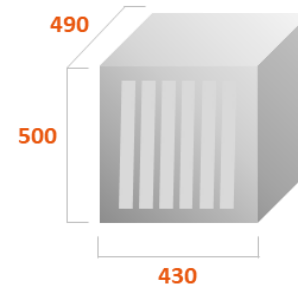
January 2022



SINGLE BASKET

DOUBLE BASKET

Standard clamping usable size:



CompaCLEAN II
Wash (Heat to 60 °C) + Tap Water Rinse + Dry
CompaCLEAN III
Wash (Heat to 60 °C) + 1st Rinse (Tap water or DI water) + 2nd Rinse (DI water) + Dry
TECHNICAL PARAMETERS

Machine dimension (WxLxH)	1 060 × 1 680 × 2 220 mm
Weight (without liquid)	440–485 kg
Machine noisiness	L _A <70 dB
Power supply voltage	3x 400 V / 230 V, 50 Hz; 3x 208 V / 120 V, 60 Hz
Power input	13.2–18 kW
Washing time (all types)	0–99 min.
Washing medium temperature (optional)	Up to 60 °C
Rinsing time (all types)	0–99 min.
Rinsing temperature (optional)	Up to 40 °C
Conductivity (II, IIR, IIR+,III)	0–999 µS/cm
Drying time (all types)	0–99 min.
Drying temperature (all types)	Up to 110 °C
Number of program registers (settings)	99

Note: Typical consumption and typical time are based on values from the field, however cannot be guaranteed because of other factor influence

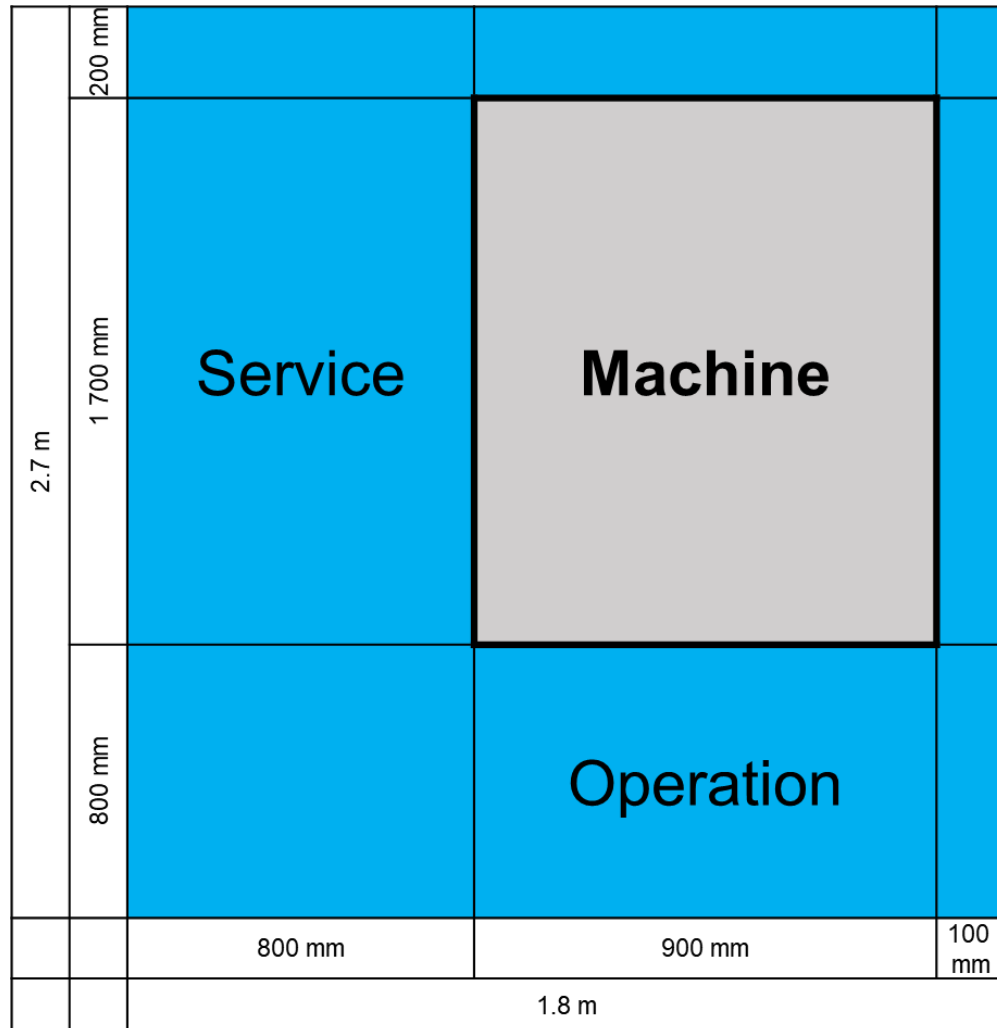
PROCESS DATA

Typical consumption of cleaning agent w/o load (per one cycle)	0.15 liter
PCB defluxing and Misprints – max usable area at the disposal	2.55 m ²
Standard max. components height from front side + rear side	40 mm (other on req.)
Max load in 3U–160 eurocards (100x160mm) per one cycle	140 pcs
PCBA + Misprints 3U–160 eurocards (100x160mm) typical total cycle time	60–80 min
PCBA + Misprints 3U–160 eurocards (100x160mm) typical quantity per hour	Up to 140 pcs
PCBA + Misprints typical consumption / cycle (depends on PCB shape and pollution)	0.3–0.4 liter
Solder pallets – available space (necessary to specify clamping)	480 x 500 x 500 mm
Solder pallets typical quantity per hour	4–6 pcs
Typical total cycle time for solder pallets	45–60 min

TECHNOLOGICAL PARAMETERS

	II	III	
Power input	13,2-18	13,2-18	kVA
Washing – pressure on the nozzles max/min (sprayed from all 69 nozzles)	2,3/1,7	2,3/1,7	bar
Washing – max. flow (sprayed from all 69 nozzles)	140	140	l/min
Washing – pressure on the nozzles max/min (sprayed from 33 upper nozzles)	3,6/3,1	3,6/3,1	bar
Washing – max. flow (sprayed from 33 upper nozzles)	85	85	l/min
Rinsing w/o chemical filters – pressure on the nozzles max/min (sprayed from all 69 nozzles)	0,6/0,1	0,6/0,1	bar
Rinsing w/o chemical filters – max. flow (sprayed from all 69 nozzles)	70	70	l/min
Rinsing w/o chemical filters – pressure on the nozzles max/min (sprayed from 33 upper nozzles)	1,7/1,2	1,7/1,2	bar
Rinsing w/o chemical filters – max. flow (sprayed from 33 upper nozzles)	58	58	l/min
Rinsing with chemical filters – pressure on the nozzles max/min (sprayed from all 69 nozzles)	-	0,3/0	bar
Rinsing with chemical filters – max. flow (sprayed from all 69 nozzles)	-	50	l/min
Rinsing with chemical filters – pressure on the nozzles max/min (sprayed from 33 upper nozzles)	-	1,3/0,8	bar
Rinsing with chemical filters – max. flow (sprayed from 33 upper nozzles)	-	50	l/min
Wash tank volume max/min	71/35	71/35	l
Rinse tank volume max/min	60/35	35/18	l

Note: Approximate values of pressure and flow are stated. The real values can be a bit different depending on the tolerances of used components. These differences have no effect on cleaning



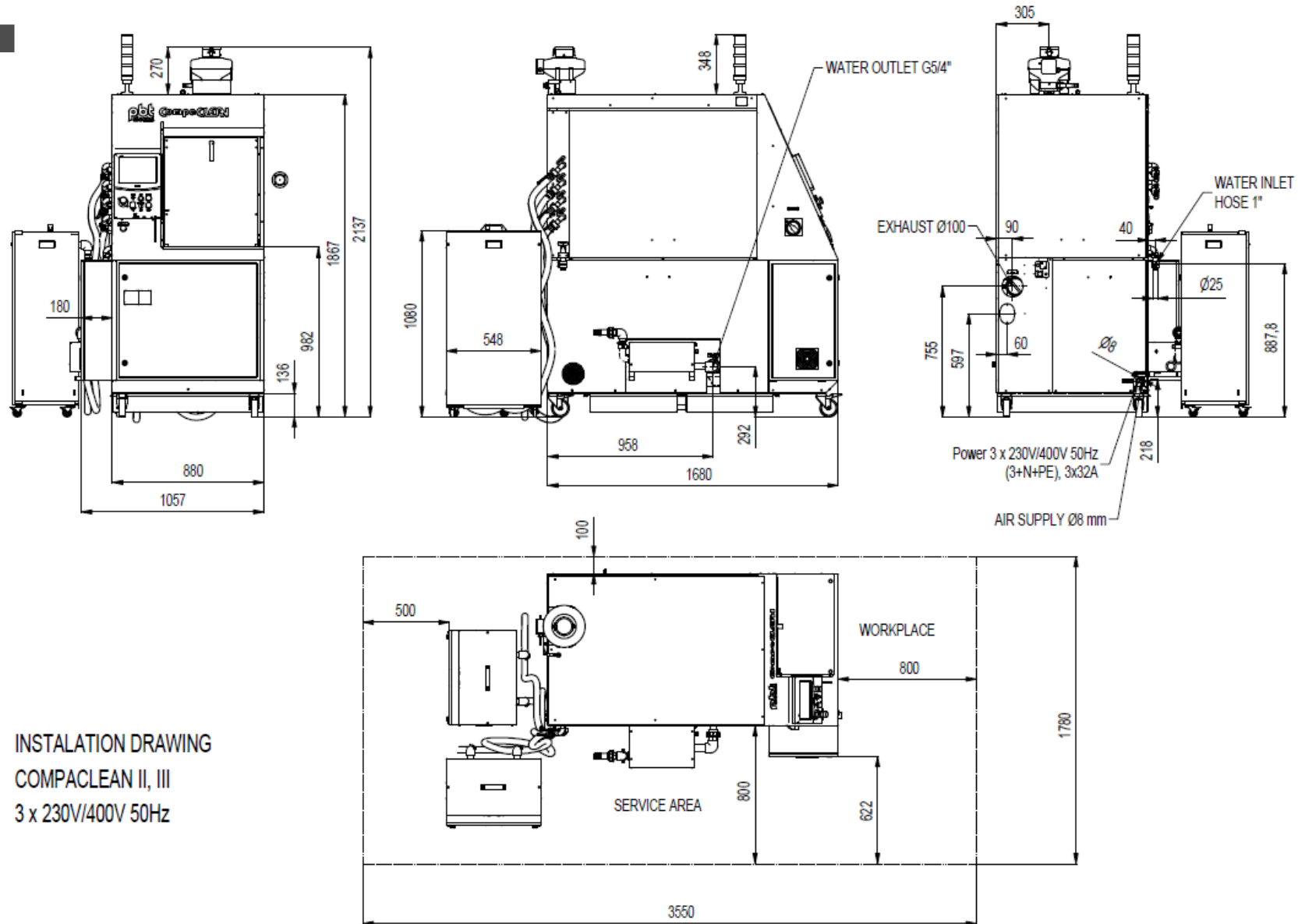
MAINTENANCE AREA

From the front	minimally 0,8 m – Area for machine operation and accessing area into the switchboard (in accordance with directive IEC 60364–1:2005)
From the left	min. 0,8 m – area for machine service and maintenance
From the right	min. 0,1 m
The machine rear	min. 0.2 m – exhaust system connection (machine w/o external filtration) min. 0.5 m (machine with external filtration – filtration carts)
Ceiling height	minimal 2.3 m

CONNECTION

Electric mains	Voltage: 400/230 V, 50 Hz
	Protection: 3x B32 A
	Connection: 3/N/PE (five-wire plug 32A)
Pressure air	Voltage: 208/120 V, 60 Hz
	Protection: 3x B63 A
	Connection: 3/N/PE (w/o plug)
Water inlet (not necessary)	Grounding: Screw M8
	Pressure: 0,6-0,8 MPa
	Class of air quality: 3.4.3. (according to ISO 8573-1)
Waste water outlet (Rinse loop) (not necessary - must be with water inlet)	Connection: hose SMC \varnothing 8 mm
	note: Compressed air consumption <1 l/min
Air exhaust	Flowrate: max. 30 l/min
	Connection: hose 1"
Air exhaust	Connection - Direct: G5/4"
	Connection – Per pump: Hose 5/4" (optional)
	Capacity: 30–60 m ³ /h
Air exhaust	Under-pressure: 50–100 Pa
	Connection: Hose \varnothing 100 mm

DIMENSIONS



INSTALATION DRAWING
COMPACLEAN II, III
3 x 230V/400V 50Hz

Note: The machine equipped with any external units needs large working space.