



# TYPE HA

Washing machine Type HA	Size 15	Size 20	Size 25
Number of rollers / sleeves / cylinders	1	1	1
Max. diameter	250 mm	250 mm	250 mm
Max. weight	380 kg	380 kg	380 kg
Max. length of rollers / cylinders	1500 mm	2000 mm	2500 mm
Max. length sleeve	1200 mm	1700 mm	2200 mm or 2x per 900 mm
Capacity high pressure pump P2	3 KW, 10 l/min	3 KW, 10 l/min	3 KW, 10 l/min
Heating capacity	2 KW	4 KW	4 KW
	<b>L x W x D</b>	<b>L x W x D</b>	<b>L x W x D</b>
Dimensions mm	2870 x 1000 x 1300	3370 x 1000 x 1300	3870 x 1000 x 1300
Required space mm	4200 x 2800 x 1900	4200 x 2800 x 1900	4200 x 2800 x 1900
Clearance for installation mm	3000 x 1800 x 1800	3500 x 1800 x 1800	4000 x 1800 x 1800

## Type HA

- Top-loading machine with closed, stainless steel wash cabin
- Machine made of stainless steel; operation of washing machine only possible if lid closed; opening only possible after completion of entire wash program.
- Roll turning and bearing devices consist of two stainless steel axle shafts supported at the front side of the machine; powered by external gear motor.
- No exact positioning in the machine required; lengths of wash items variable and no adjustments at the machine required.
- Wash medium system for even spraying of contaminated wash item surfaces with alkaline medium.
- Wash medium system consists of stainless steel wash medium container under wash chamber, circulation pump and a spray pump system.
- Wash medium container equipped with instant water heater (temperature up to 60°C), fill-level control (operation level, max. level) and large, removable clarifying filter.
- High-pressure system for directed spray wash of the wash item surfaces previously treated with the wash medium.
- High-pressure system is equipped with high-pressure piston pump (pressure 100 bar) with connection to customer's water network and horizontally oscillated carriage with high-pressure slot nozzle (travel adjustable).
- Blower on horizontally moving carriage to remove any remaining water from wash item surfaces.
- Control (PLC), including control elements and operating state lamps, located in timing case fitted to wash chamber. Automatic wash program includes: Spraying with wash medium – drip-off – high-pressure spray wash with longitudinal axis – blow-off with pressurized air; all operation processes take place while wash item is rotating.
- Water container for high-pressure pump including immersion heater (temperature up to 60°C), fill-level control (operation level, max. fill level) and large, removable clarifying filter.
- High-pressure pump made of stainless steel
- Clean water rinsing (only when connected to water cycle); includes separate rinsing pipe made of stainless steel, heat exchanger pipe and stainless steel piping.
- Emptying of machine container by means of diaphragm pump.

## Equipment

- Separate water cycle for high-pressure system; provision of warm water in a second, separate stainless steel high-pressure water container positioned under the wash chamber. Use of warm water for high-pressure spray wash; therefore further optimization of wash result and reduction in water consumption.

