

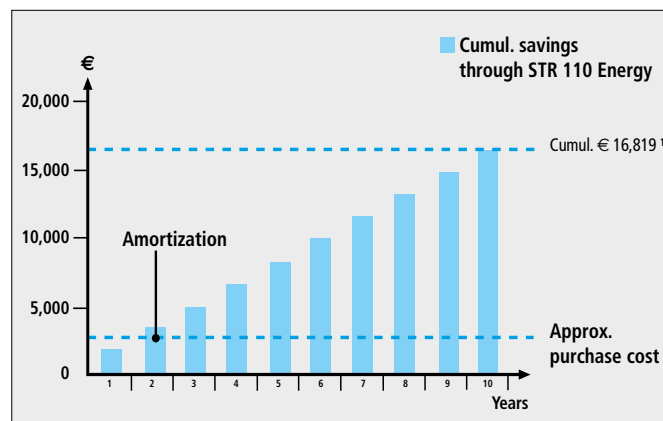
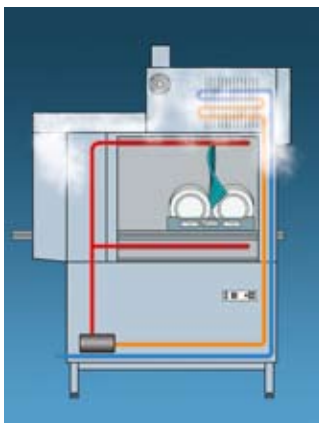
Improving the Energy Balance and Room Atmosphere





STR 110 Energy – delivering big energy savings

Even the standard version of the STR 110 single-tank rack conveyor dishwasher powers through peak times and saves energy when not in use. The STR 110 Energy is equipped with an exhaust air heat recovery system, which saves energy and effectively improves the room atmosphere. It's an investment that can only pay off for the operator, staff and environment.



¹ Basis of calculation for STR 110 Energy: 6 kWh/hour in use × € 0.16/kWh × 6 hours in use/day × 80% capacity × 365 days in use/year × 10 years = €16,819



Energy exhaust air heat recovery system

When the dishwasher is running, damp, hot steam is given off in the inlet and outlet areas of conveyor dishwashers – valuable energy that is lost in thin air.

The STR 110 Energy uses this energy to heat the cold inlet water. Steam is systematically drawn in and fed through an exhaust air heat exchanger.

Instant payback

The STR 110 Energy saves around 6 kWh per hour when in use. Based on 6 hours of use per day, it cuts energy costs by up to € 1,682 a year. The total connected load drops to 30.7 kW.² Depending on the wash volume and the price of energy, the price difference for the energy model can be paid off in about 18 months.

² Water inlet temperature < 20°C; machines without a drying zone

Technical data

- Total connected load with 18 kW boiler: 30.7 kW
- Machine height with Energy attachment and service connection: 1,890 mm
- Theoretical machine performance: 70/110 racks/h
- Rinse water consumption³: 260 l/h (at 100% capacity)
- Machine length: 1,300 mm

³ Under ideal conditions. The volume of water required for rinsing is dependant upon on-site conditions and conditioning. Fine-tuning during commissioning.

Perfect wash up atmosphere

Unlike conventional heat recovery systems, the STR 110 Energy, systematically draws in air through both the inlet and outlet areas. This noticeably reduces the temperature and humidity of the exhaust air and greatly improves the room atmosphere.