

**High-powered  
and efficient  
thanks to excellent  
technology.**



TUMBLE DRYER | T 232, 234, 236, 244, 246, 252, 254, 256

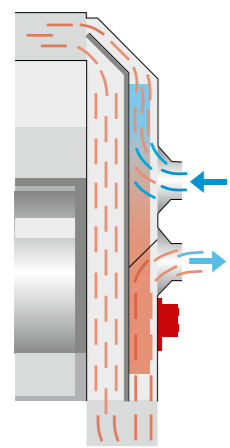
PROFESSIONALS DRY WITH STAHL

**STAHL**  
WÄSCHEREIMASCHINEN

### Ease of operation with *FREEpro* microprocessor control

The established *FREEpro* microprocessor control, which is designed the same way in all standard STAHL laundry machines, is easy and intuitive to operate. It features a wide range of popular standard programs. All parameters can be individually programmed; the current drying process is shown on the display. A sensor reliably detects residual moisture and therefore prevents over-drying of the textiles. This means that the dryer only runs as long as required. As a result, time and money are saved and the linen is protected.

### Unique new feature: the plate heat exchanger



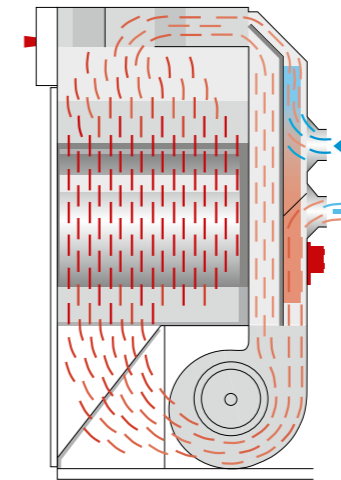
The integrated plate heat exchanger ensures an optimum energy balance. First recycled hot air flows over a heat exchanger, which then pre-heats the cool fresh air drawn in from outside using the stored heat. The tumble dryer consumes even less energy with this optional equipment. This revolutionary system offering the potential for great savings is only available in tumble dryers made by STAHL.

### Large, ergonomic door opening

The ergonomic door with solid stainless steel frame is fitted with a magnetic lock and an inspection window. The trim provides heat protection and simultaneously acts as a safe door handle. The door opens in a wide 180° angle to the left. Depending on the arrangement of the room, the hinges can be fitted to the opposite side if requested.

### Freely-accessible lint filter

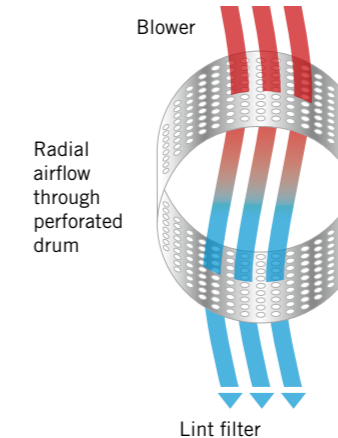
A large lint filter made of sturdy stainless steel is located underneath the drum and can be cleaned easily and conveniently from the front.



### Intelligent recovery of circulating air

Recovery of circulating air as a standard feature protects the environment and saves operating costs. This intelligent process uses and recycles around 60% of the exhaust air. During the drying process, only water vapour is discharged. While still hot, the dry air components are fed back into the drum via the heating unit.

### Radial airflow for rapid drying



Radial airflow ensures particularly fast, gentle and thorough drying. Hot air blows diagonally from top to bottom through the stainless steel drum that is perforated all the way around. Temperatures remain the same everywhere. During this process, the drum reversal feature supports radial airflow with changing falling heights of the linen so that even delicate textiles are evenly dried in the shortest possible time.

### Maintenance free, efficient drive

All STAHL Model T 232 to T 246 tumble dryers are fitted with a unique, absolutely maintenance-free direct drive. It is free of wearing parts such as belts or drive rollers. The wear-free motor ensures that the machine only uses as much energy as is required for the current process. If the dryer is operated with half a load the energy consumption is automatically reduced.

# For four generations the name STAHL has been a synonym for innovative technology, reliable after sales service and value.

**We provide convincing arguments for your decision in favour of a successful product:**

**Circulating air recovery**

60% of the exhaust air is recycled and reused, a process that is ecological, saves energy and drying time.

**Revolutionary plate heat exchanger**

This unique additional feature reduces the energy used once again.

**Radial airflow**

Linen is dried very quickly, evenly and gently diagonally across the entire depth of the drum.

**Residual moisture monitoring**

The intelligent moisture sensor reliably prevents over-drying of linen.

**Drum reversal**

The freely-adjustable changing linen fall height in the high-quality perforated stainless steel drum efficiently supports thorough drying.

**Fresh air supply independent of room**

Safe connection to an air supply independent of the room is possible even in interior rooms.

**Lint filter made of stable stainless steel**

The durable, large lint filter can be cleaned easily and comfortably from the front.

**Door opening angle of 180°**

The large door with its solid stainless steel frame is available as a left-hand or right-hand opener.

**Maintenance and wear-free drive**

Thanks to the highly efficient drive technology, the energy consumption is reduced to a minimum.



PROFESSIONALS DRY WITH STAHL



**You will reap the benefits of our innovative technologies**, such as circulating air recovery and plate heat exchangers as well as other intelligent features starting with the first hour of operation.

Our dryers demonstrate **gentleness in the treatment of linen** in many well-conceived details. This includes the high-quality perforated stainless steel drum with large ribs, in addition to the gentle radial airflow, residual moisture monitoring or drum reversal system. They benefit all types of textiles, from delicate curtains to doormats.

It is not only the easy-to-understand *FREE*pro control system that makes our dryers **user-friendly** but also the many other operating components. We thought of everything that can make everyday work easier for you, starting with the large, sideways-opening door, the working height that is kind to backs right up to the easily-accessible lint filter.

**Manufacturer's after-sales service** for your operational reliability: our after-sales service is centrally organised, fast, cost-efficient and available world wide. In addition, we provide a comprehensive telephone support by qualified technicians and we offer extensive training programs for your technicians to assist you significantly in the improvement of your business quality and efficiency.

**High performance in eight different sizes**

Whether it's for towelling, bed linen, bedcovers, mops, doormats, industrial textiles or for wet cleaning, STAHL offers the innovative tumble dryers in eight different sizes with volumes ranging from 200 up to 1,750 litres depending on your requirements. The heavy-duty PTS drive via a frequency converter works maintenance-free, wear-free and at low noise levels. It only uses the energy required by the current process. As a result you need less electricity when the tumble dryer is only filled half-way.

STAHL tumble dryers demonstrate maximum performance in any environment. The drum speed and the machine blower can be finely adjusted and are infinitely variable for any room situation. All tumble dryers can be heated electrically, with gas, steam, hot oil, hot water or with a dual heating system.

# Excellent, inspiring technology.



Tumble dryers T 234



Tumble dryers T 256

## STAHL – your professional partner for commercial laundry technology

STAHL offers industry solutions in the cleaning, hotel and care sectors, but also provides the complete range of professional laundry machinery at optimal conditions.

STAHL laundry equipment consultants are available any time if you have questions and concerns. Together we will find the best solution, no matter whether you are looking for a single machine or require a complete future-safe machinery fleet for a new start-up. One of our strengths lies in the analysis, planning and improvement of your laundry workflows. Economy, energy efficiency and long service life are at the top of our list of considerations.

Our know-how is the result of many years of experience. The Gottlob STAHL Wäschereimaschinenbau GmbH is a family company with a history of developing and producing only commercial laundry machinery in Germany and selling the equipment all over the world going back to 1909. Now in

our fourth generation under family management, we are continually developing new, pioneering technologies. All components used in our production originate in Germany. Unique production depth and assembly at our headquarters, in addition to the high quality of our service, are your guarantee for future-proof investments that will pay for themselves.

### STAHL, your complete outfitter

As a high-performance and expert family company, we can offer you economically sophisticated and innovative products as a system supplier.

- > **Washing machines** for quick and efficient linen care
- > **Tumble dryers** with the most modern technology available for energy-saving linen drying
- > **High-power flatwork ironers** for the perfect linen finish
- > **Folding machines** for gentle and accurately-folded flat linen, towelling and dry linen
- > **Hydro-extractors** for numerous fields of use

Tumble dryers		T 232	T 234	T 236	T 244	T 246	T 252	T 254	T 256
<b>Drum</b>									
Loading quantity	kg	10	14	16	25	35	50	70	90
Volume	L	200	275	320	500	700	1000	1330	1750
Diameter	mm	750	750	750	940	940	1300	1300	1300
<b>Machine dimensions</b>									
Height	mm	1720	1720	1720	2007	2007	2170	2170	2170
Width	mm	820	820	820	1020	1020	1430	1430	1430
Depth	mm	1065	1065	1065	1180	1430	1510	1710	2010
Weight	kg	275	275	275	345	430	880	980	1250
<b>Connections</b>									
Connection value electrical heating	kW	18/24	18/24	18/24	24	36	72	90	110
Drive motor	kW	0,25	0,25	0,25	0,55	0,75	1,1	1,1	1,1
Blower motor	kW	0,55	0,55	0,55	2,2	2,2	4	4	4
Vapour/condensate	DN	20/15	20/15	20/15	25/15	25/15	25/20	25/20	25/20
Hot oil/hot water feed/return	DN	25/25	25/25	25/25	32/32	32/32	32/32	32/32	32/32
Natural gas/liquid gas	Ø mm	12	12	12	15	15	25	25	25
Natural gas	Ø inch	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1"	1"
Compressed air connection (approx. 6 bar)	Ø inch	2)	2)	2)	2)	2)	1/4"	1/4"	1/4"
<b>Feed and exhaust air</b>									
Exhaust air performance max.	m³/h	–	–	–	–	–	5500	5500	5500
Exhaust air performance with heat transfer	m³/h	600	600	600	1860	1860	20–99%	20–99%	20–99%
Exhaust air connection	mm	125	125	125	160	160	315	315	315
max. permissible counter pressure exhaust air duct	mbar	0,5	0,5	0,5	1,3	1,9	2	2	2
<b>Consumption, time<sup>1)</sup></b>									
Average consumption 2 batches (circulating air)	kWh	9,8	10,5	11,7	12,9	19,4	39	49	60
Connection value gas, rated heat output	kW	20	28	35	48	68	80	90	110
Connection value gas, gas flow pressure 20-50 mbar approx.	m³/h	1,95	2,6	3,1	4,8	5,7	8	9	19,8
Approx. programme duration towelling (70°C)	min	20–30	20–30	20–30	20–30	20–30	20–30	20–30	20–30
Evaporation rate electrical approx.	L/h	15	15	15	24	35	49,8	49,8	49,8
Evaporation rate gas approx.	L/h	19,2	25,2	25,2	45	60	114	114	114
Evaporation rate steam at 12 bar approx.	L/h	16,8	22,2	24	39	48	96	132	150
Sound levels approx.	db(A)	55	55	55	55	55	68	68	68

1) The consumption is an approximate value since many different factors affect it.  
2) Optional with fresh air supply, compressed air 1/4" necessary.



**ATOLL washing machine**  
5,5–110 kg

**D-Y 1600 pass-through washing machine**  
14–200 kg

**MASTER 1610 high-power flatwork ironer**  
210–2010 mm roller diameter

**STARFOLD high-power folding machine**  
for flat linen

**KOMBIFOLD folding machine**  
for towelling and dry linen

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**PROFESSIONALS WORK WITH STAHL**