

primus®

HEAT PUMP TUMBLE DRYERS

T11HP | T13HP | T16HP

FIND OUT MORE



This is an interactive PDF. Just **click on the blue buttons** on each page to discover more.



EVO⁴
DRYING TECHNOLOGY



GET AHEAD IN LAUNDRY



Get ahead in laundry efficiency with the THP Heat Pump Tumble Dryers

LOW ENERGY CONSUMPTION

More than 70% reduction of energy consumption of heating

EASY TO PLACE

Fits into any space thanks to no need for vent ducting

SHORT DRYING TIMES

Drying cycle is between 42 and 58 minutes.



DESIGNED & BUILT IN EUROPE FOR EUROPE

- Engineered by the CZ team
- Produced in the Czech Republic = faster delivery for Europe



Features & Technical Information

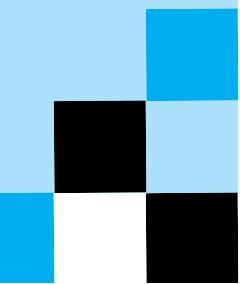
- Anthracite painted galvanized steel
- Easy access to all parts
- Lots of standardized parts throughout the range
- Easy cleaning
- Easy access to the belts
- Skinplates made of steel sheet metal
- Front panel made of stainless steel sheet metal (Optional)



Technical Information
& Dimensions



Dimensions



Features

+ Shaft + Bearing house

+ Motor

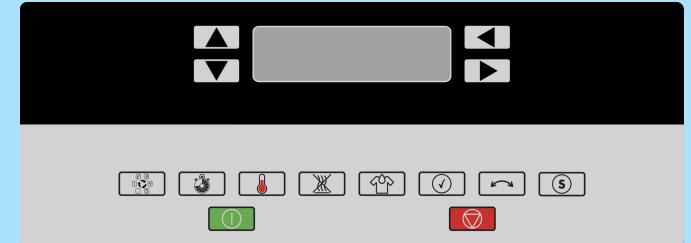
+ Pulleys



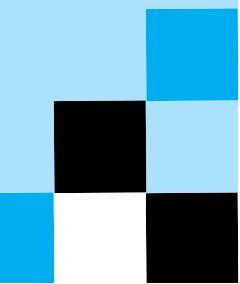
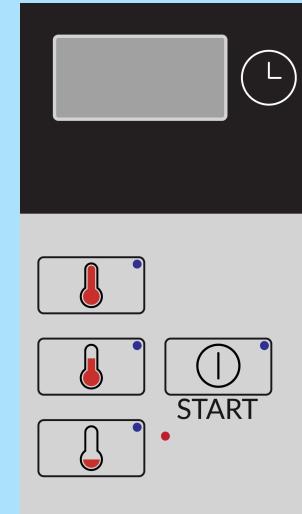
Controls



Full Control

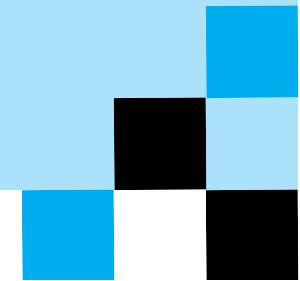


Easy Control





Technologies

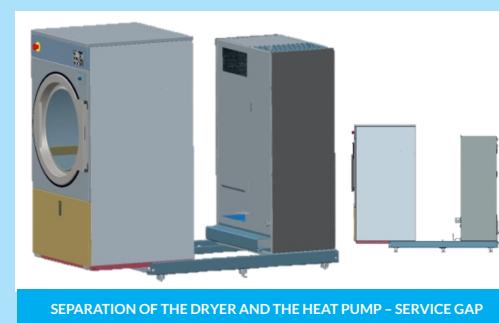
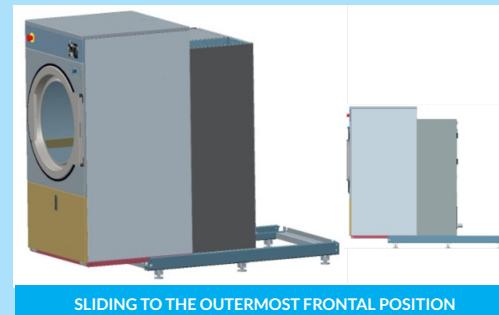




Options Overview

- Coin operated version (part of packages)
- Reversing drum (part of packages)
- Full control programmer (FCT) (part of packages)
- Plinth (accessories)
- Sensodry - Residual moisture control (part of packages)
- Stainless steel front (part of packages)
- QuadriJet – automatic rinsing system of condenser

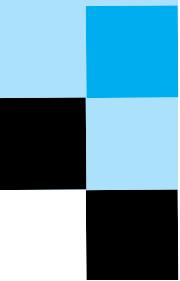
Plinth Option to increase height of the machine for ergonomics reasons



- Deploying the dryer on a plinth directly from the palette
- The plinth provides a drain height of at least 250 mm above the ground.

- Slide the dryer up to 400 mm towards the front
- Its construction prevents the dryer to fall over

- Create a service gap by sliding both parts from each other.
- A 550 mm gap is standard for service.





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Technical Information

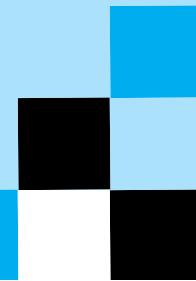
	T11 HP	T13 HP	T16 HP
Cabinet Colour	Anthracite grey skinplate		
Rated Capacity (1:22)	11 Kg	13 Kg	16 Kg
Filling Ratio (1:18*)	14 Kg	16 Kg	19 Kg
Drum Volume	250 L 285 L 345 L		
Heat Pump Power	3.4 - 3.6* kW 4.0 - 4.3* kW		
Total Power Input	3x 380-415V+N 50Hz		

* Main parameters can be affected

**depends on selected voltage

Voltages

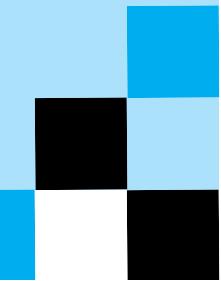
T11 HP T13 HP T16 HP
1x 208-240 50Hz
1x 208-240 60Hz
3x 208-240 50 Hz
3x 380-415V+N 50Hz
3x 440 60Hz

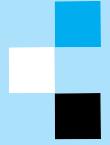


Dimensions

	T11 HP	T13 HP	T16 HP
Net Weight	350 Kg	360 Kg	375 Kg
Gross Weight	360 Kg	400 Kg	400 Kg
Dimensions in mm (HxWxD)	1680x795x1525	1680x795x1615	1680x795x1735

- Compact dimensions
- Dimensions of height and width is copying „standard“ range
- Depth of machines is extended by 450 mm





Door

- Huge door opening for easy loading and unloading
- Hardened glued door glass: resist to high temperatures
- Rubber seal: EPDM resistant to extreme conditions
- Door can be mounted left or right

Door Hinges

- Extra strength
- Opening 270°

Door Rubber

- No condensation
- Double sealing
- No dust between sealings

**T11 HP | T13 HP | T16 HP****Door Colour**

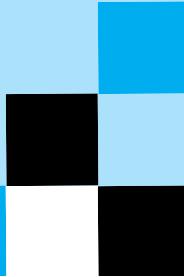
Grey

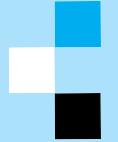
Door Opening (mm)

600

Floor to Handle (mm)

1000





Drum

- Stainless steel execution
- Stainless steel lifting ribs



Reversing

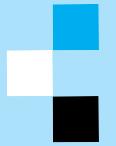
- Two separated motors: 1st for ventilation and 2nd for driving of the drum
- Prevent a ball - forming / tangling of the linen -> easier to unload and sort after end of drying cycle
- Standard for all capacities



Seal

- Meta-Aramid material
- Optimizes drying process
- Ideal airflow guider





Shaft + Bearing house

- Steel shaft – build to last longer
- Combined steel shaft, overdimensioned welded cross that fixes the shaft to the drum
- Two bearings for a robust mounting



Motor

- Voltage needs to be specified

T11 HP | T13 HP | T16 HP

Fan (kW)

0,3

Drive (kW)

0,25

Noise Level

- According to CE regulations
- Below <60 dB
- User friendly



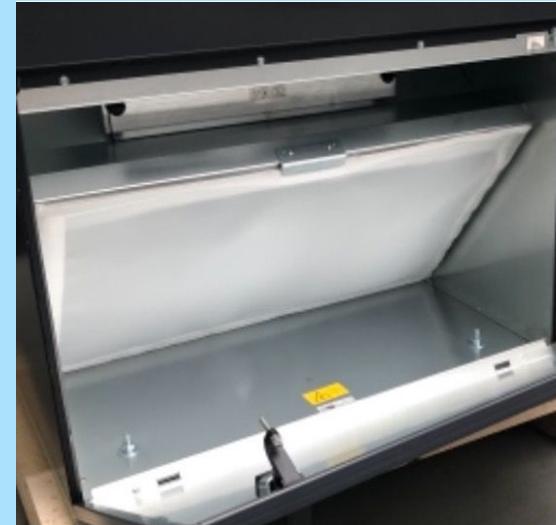
Pulleys

- Light Aluminium cast pulleys: quality
- Micro V-belt: for an excellent grip
- Easy replacement of the Micro V-belts: access at the rear
- Easy tensioning of the belts: 1 central tensioning system



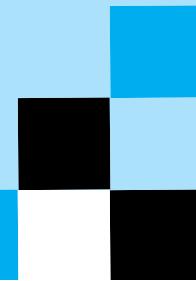
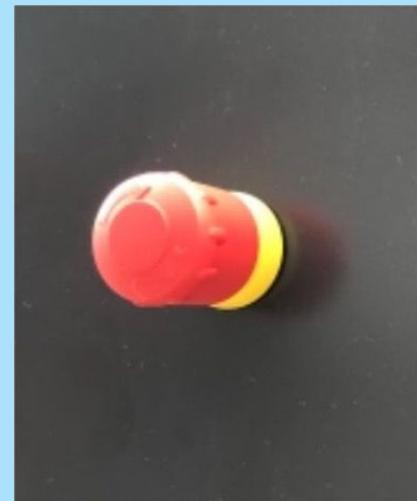
Filter

- Strong resistant synthetical filter
- Auto cleaning lint screen
- Easy accessible through a overdimensional filter door
- Can be easily drawn out for cleaning
- Filter door easy to open



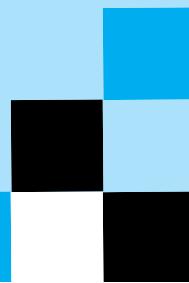
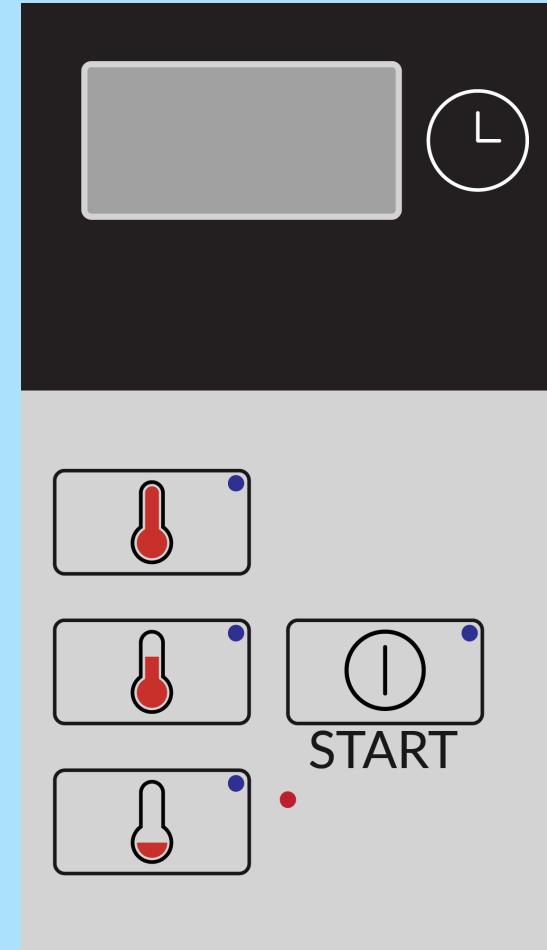
Safety

- Emergency button on the front
- Main switch at the rear
- The dryer stops:
 - 1 safety switch when opening the door
 - 1 safety switch when opening the filter
- One safety thermostat



Easy Control

- 3 standard programmes available
- Both coin and OPL applications
- For coin: 3 programmes
- For OPL: 3 programmes
- °C or °F: temperature freely programmable
- Minimum cool down is standard: Safety software
- Error messages: on display
- Can be upgraded by a Full Control microprocessor (exchangeable)
- Time and cool down time freely programmable
- There is no emergency STOP button on coin machines





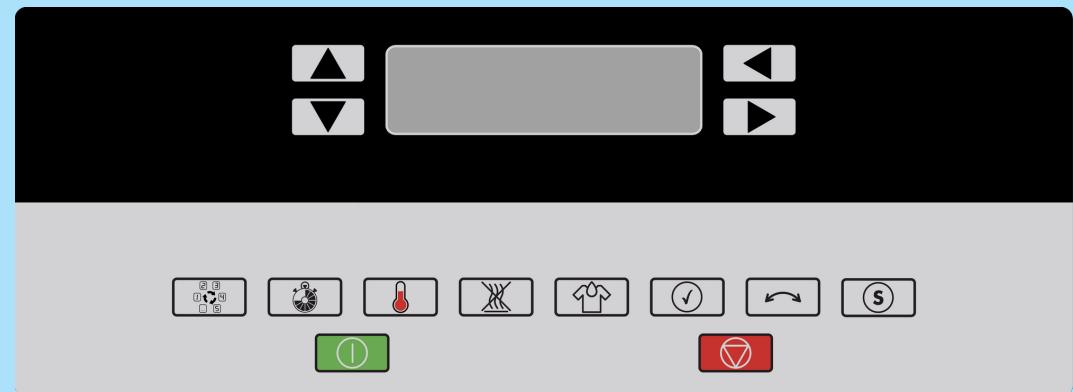
Full Control

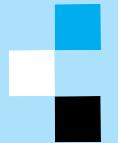
- Up to 20 programmes
- 9 factory programmes (that can be changed)
- Temperature freely programmable both in °C and °F
- Drying time freely programmable
- Cool down time freely programmable
- Safety cool down time: 3-5 min.
- Reversing action time and pause can be programmed



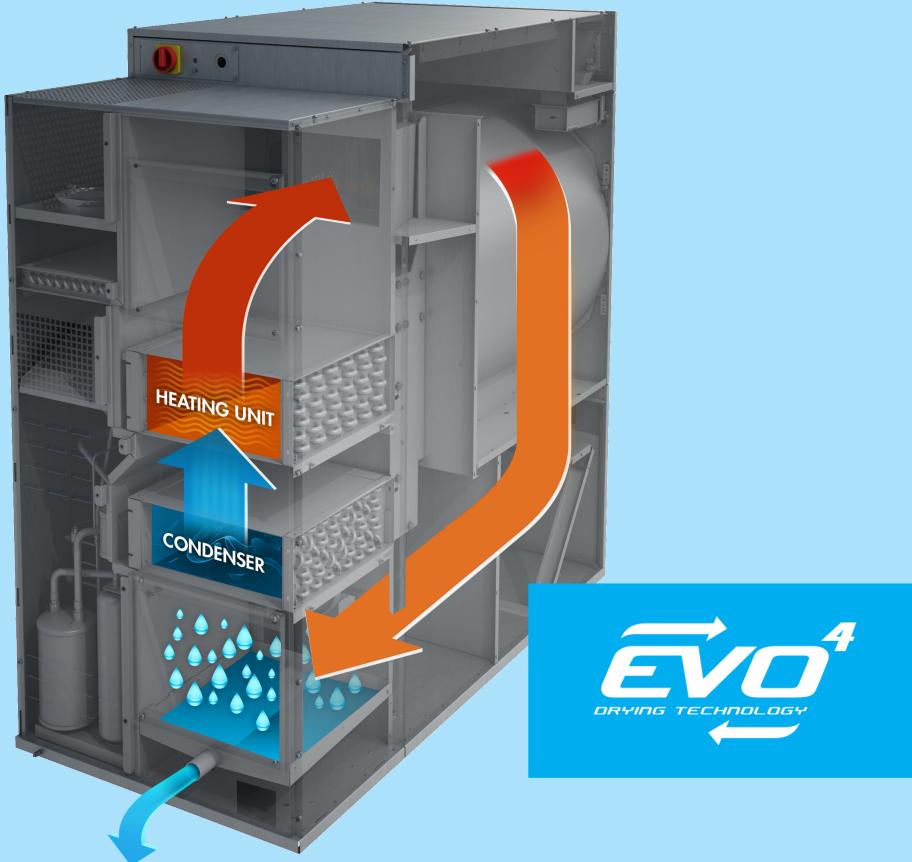
SensoDry® (Optional)

- Humidity control (special sensor in an exhaust)
- Residual moisture control can be programmed per % humidity





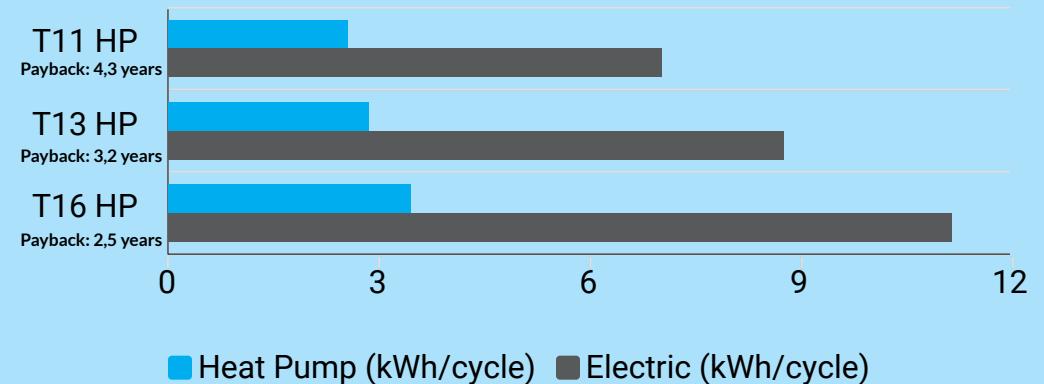
Heat Pump System



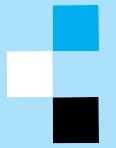
NO VENT DUCTING IS NEEDED. These dryers don't suck any air from a surrounding. It means they don't have any air exhaust connection. Thanks to this no any vent ducting for them needed.

LOW POWER INSTALLATION. The HP technology manages with lower electric current (Ampers) in comparison to conventional electric heating. Dimensioning of an electric instalation, Fuses, CB, RCBO can reflect it.

Consumption & Pay back: HP vs. Electric Heating



345 L (16 kg) investment cost will pay back in 2 ½ years*
*dealer equipment prices, average el.price in EU27 in 2021, 8 cycles/day, 250 day/year



QuadriJet: Self cleaning system

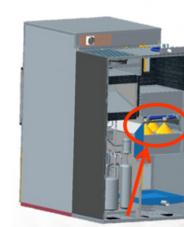
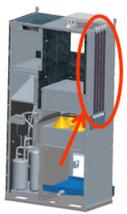
Standard - software feature:

- Cleaning by gravity flow of water

Option – automatic rinsing system of condenser:

- Cleaning by pressure water
- Added water system with 4 jets over the heat exchanger
- Pressure water spraying enhances an efficiency of the cleaning

OPTIONAL

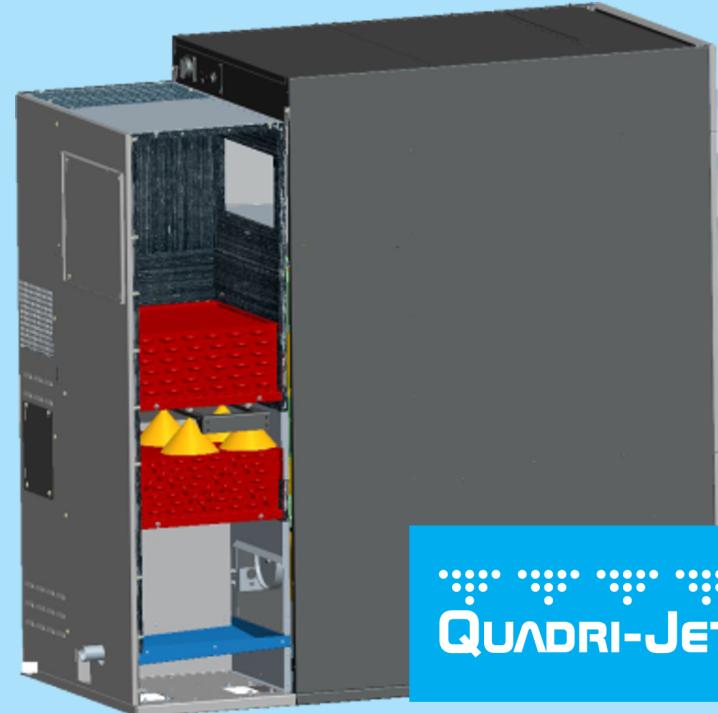


- In addition to the standard version, a top box supplies external water connection

- The water pump sends the water through 4 pipes directly to the jets

- 4 water jets automatically flush the bottom heat exchanger
- Upper heat exchanger does not need to be cleaned

- The yellow cones show the spraying water over the lower heat exchanger during the cool down mode after every cycle (30 sec. splashing)



Yellow cones show water spraying the heat exchanger



Airflow RADAX®

- Airflow RADAX®: Combination of axial and radial airflow enhances an effectivity
- More air through the linen
- Lower energy consumption
- Faster drying times



OPTIONAL



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- The water pump sends the water through 4 pipes directly to the jets

- 4 water jets automatically flush the bottom heat exchanger
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- The yellow cones show the spraying water over the lower heat exchanger during the cool down mode after every cycle (30 sec. splashing)