

# HEAT PUMP TUMBLE DRYERS



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# 1. PRODUCT RANGE - OVERVIEW

Different ranges are proposed to satisfy all types of customers' needs:

- **DD-GOLD** : the most efficient.
- **DD-SILVER** : standard and versatile
- **DD-BRONZE** : analogic control
- **DD-BASIC** : for price-concerned markets with high technology
- **STD Stack dryers** : double drum for reduced spaces

✓ **New** – Heat pump: Models from 11 to 23 kg



Energy savings

# 1. PRODUCT RANGE - OVERVIEW

New

Control type	Heating	DD-HP Heat pump - Capacities kg		
		DD11 HP	DD16 HP	DD23 HP
PSM Microprocessor	Heat pump	11-12	17-18	22-24
Self service	Heat pump	11-12	17-18	22-24



## 2. CLASSIFICATION

### 2.1 HEATING :

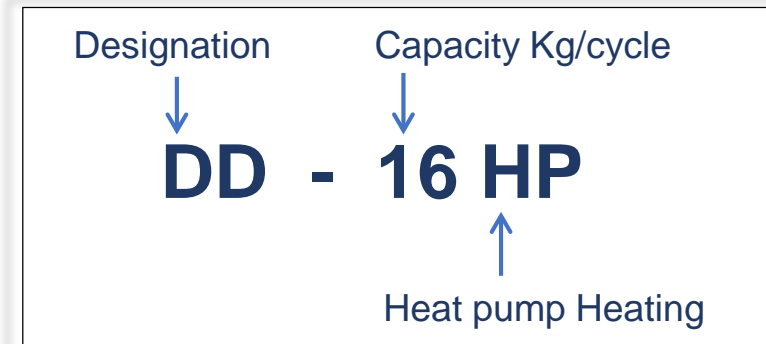
- **HEAT PUMP** – No exhaust to the exterior

**Capacity:** 11, 16, 23 kg

**Self-service:** Available (tokens, coins and central pay).

**Control:** all ranges are digital

*100 % recovered air  
No need of exhaust installation  
Electric consumption reduced  
from 50 to 75 %*

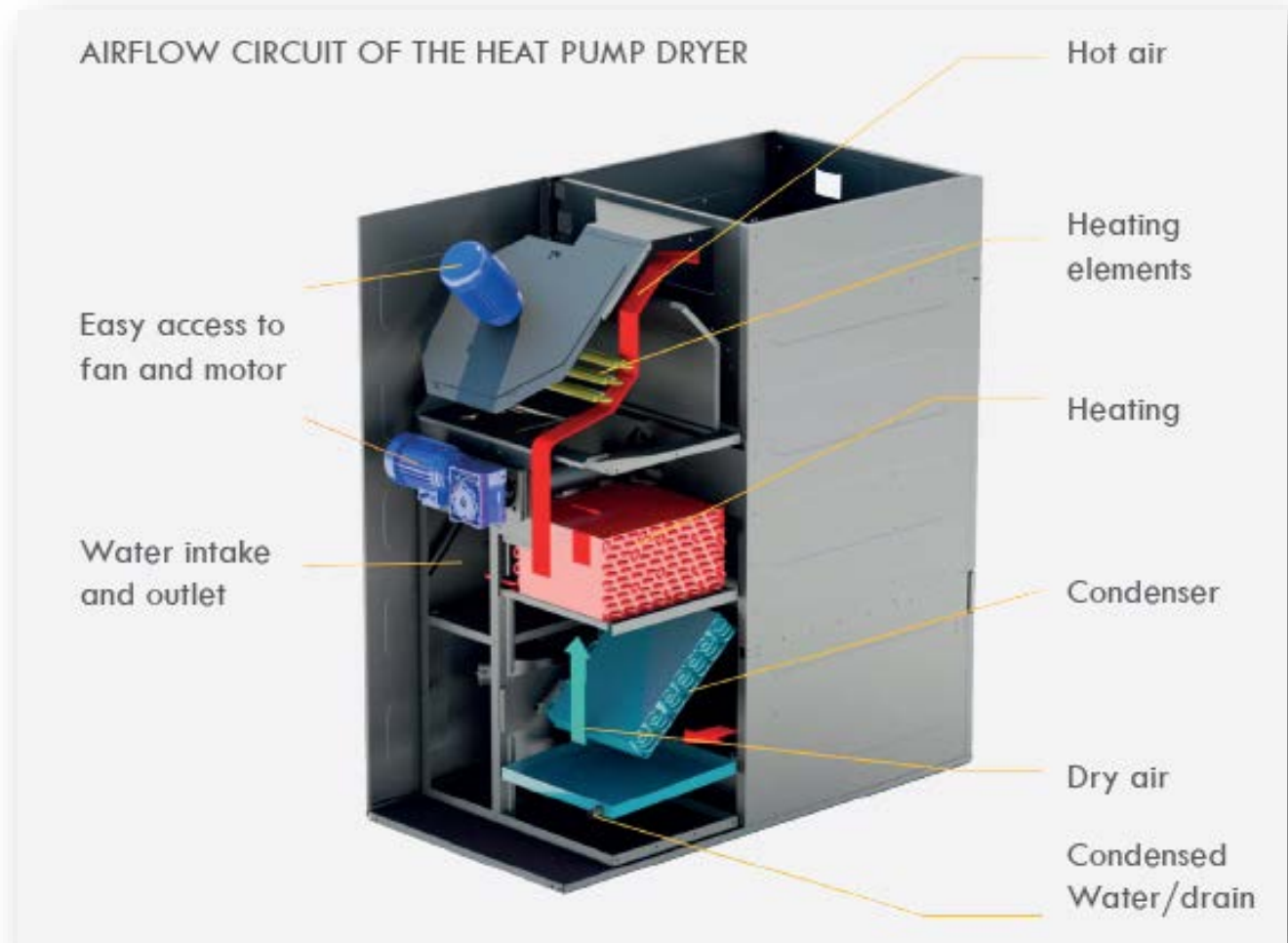


## 2. CLASSIFICATION

HEAT PUMP

AIRFLOW CIRCUIT

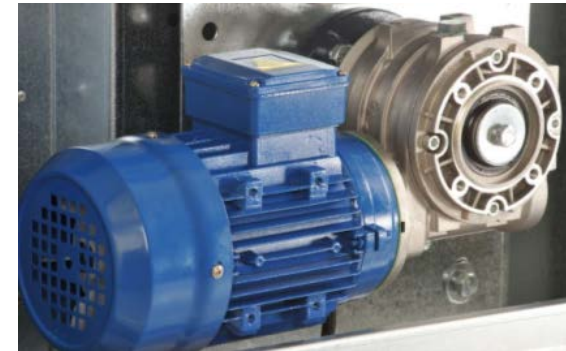
HEAT PUMP TECHNOLOGY



## 3. MAIN FEATURES

### 3.1. - DIRECT DRIVE – GEARBOX

- Transmission by gearbox, for an easy maintenance
- Suspended drum
- Rear subjection by 2 bearings
- No need of maintenance



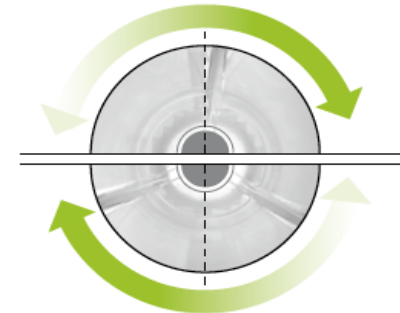
### 3.2. - AUTOREVERSE DRUM

All models offer the reverse turning of the drum

The reverse system of the drum is done through the inverter in all models

#### ADVANTAGES

- Drying process is more efficient
- Better uniformity on the garments drying process
- Avoid the tangling of the big pieces / Increase control



### 3.3. - FREQUENCY CONTROL

- All range with ABB Inverter, that controls rotating speed and reverse drum action in all models and ranges.

## 3. MAIN FEATURES

### 3.4. – **NEW** AIR FLOW AND **NEW** DRAWER AS FLUFF FILTER, MADE OF STAINLESS STEEL

All models offer new bigger fluff filter and a 2<sup>nd</sup> inner filter (category G4 to protect exchangers with a second filter).

#### ADVANTAGES

- Increased drying efficiency
- Easy to clean – ergonomics





## 3. MAIN FEATURES

### 3.5. – OUTER CASING

Panels in grey skinplate, stainless steel look.

#### ADVANTAGES

- Elegant look
- Stamped front and sides panels



## 3. MAIN FEATURES

### 3.6. – STAINLESS STEEL DRUM

Dryers are built in **stainless steel BA finishing**

#### ADVANTAGES

- Better quality and durability
- Elegant look

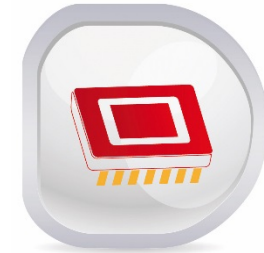


## 3. MAIN FEATURES

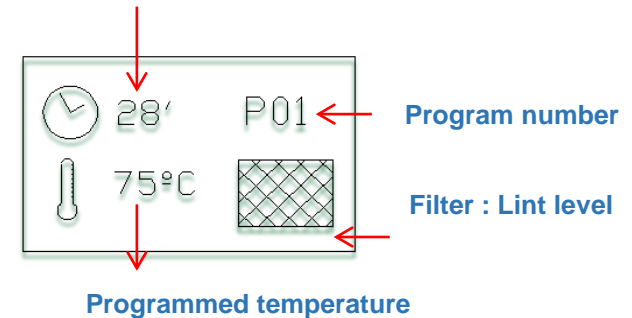
### 3.7. – CONTROLS

#### MP CONTROL

- Electronic/Digital Control – up to 9 drying programs
- Blue contrast screen with improved visibility from all angles
- Complete control of the process
- Possibility to select the required drum speed, statistics control, technical menu, alarms, etc.
- User Friendly / Easy and intuitive to use



Remaining time or Set humidity target (CARE DRY option)



## 3. MAIN FEATURES

### 3.8. – SOFT DRY

The new drum perforations of the dryers make sure the liner is gently handled, lengthening the garments lifetime.



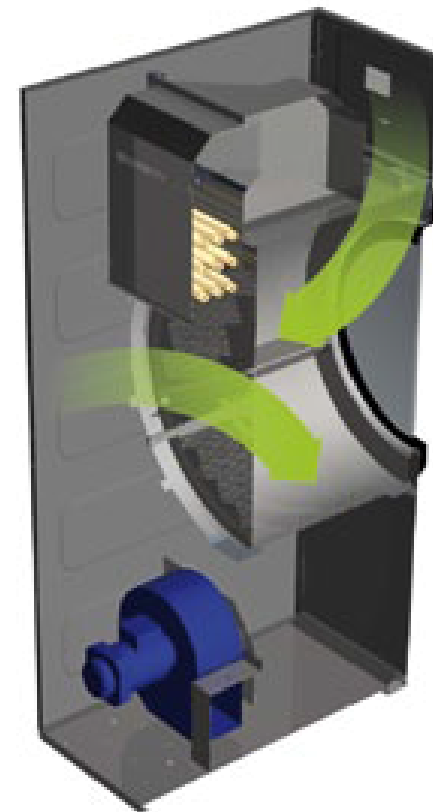
## 3. MAIN FEATURES

### 3.9. – DOUBLE FLOW– AXIAL AND RADIAL AIRFLOW

Mixed axial-radial airflow increases the efficiency of the whole drying process due to the improvement of the airflow inside the drum.

#### ADVANTAGES

- Increases the efficiency of the whole drying process



# 3. MAIN FEATURES

## 3.10. – CARE DRY - MOISTURE CONTROL

Very accurate and economical humidity sensor

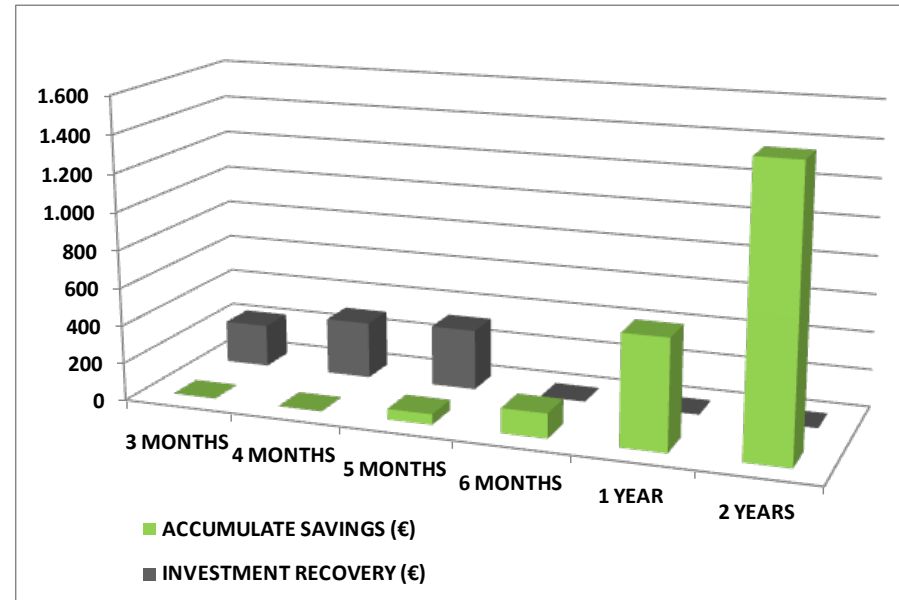
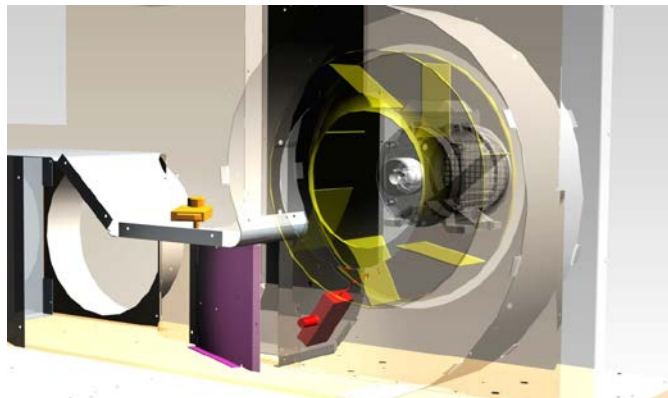
Drying cycle stop when it reaches the set level of residual moisture

Automatically adapts drum spinning speed to the humidity level of the load, ensuring maximum humidity extraction



### ADVANTAGES

- Kinder treatment of garments
- Energy saving
- Reduced Drying Time



## 3. MAIN FEATURES

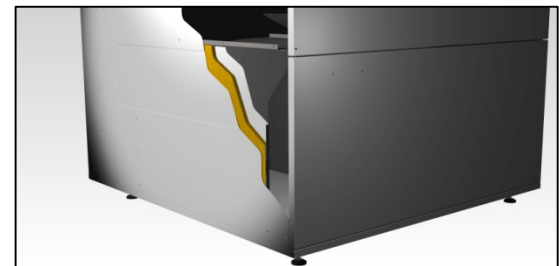


### 3.11. – INSULATED PANELS

Double insulation, panels by panel and system of ventilated facades, insulated ducts and double glazed door

#### ADVANTAGES

- The heat is maintained within the dryer and not lost.
- Optimization of the drying cycle.
- Preheated air



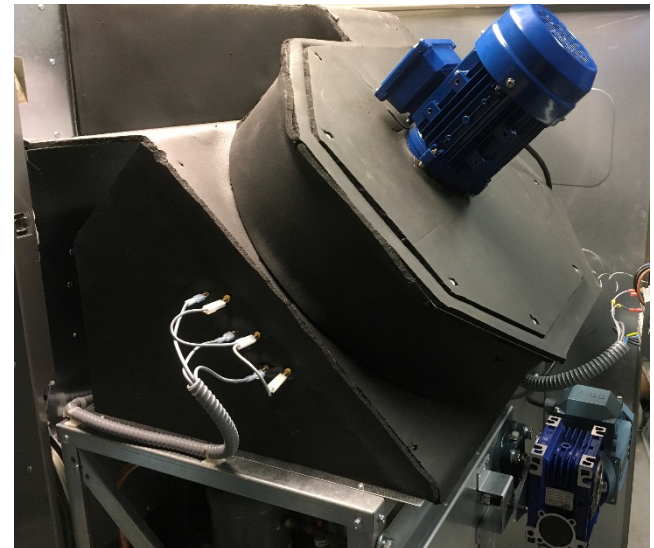
## 3. MAIN FEATURES

### 3.12. EASY ACCESS FOR MAINTENANCE

All parts are accessible from the rear side. Not need to split the dryer between mechanical and cooling-heating system. Electric parts accessible from the front.

#### ADVANTAGES

- Easy access to all parts.
- Reduced space for maintenance
- Easy maintenance





## 3. MAIN FEATURES

### 3.13. – CERTIFICATES

- CE approved



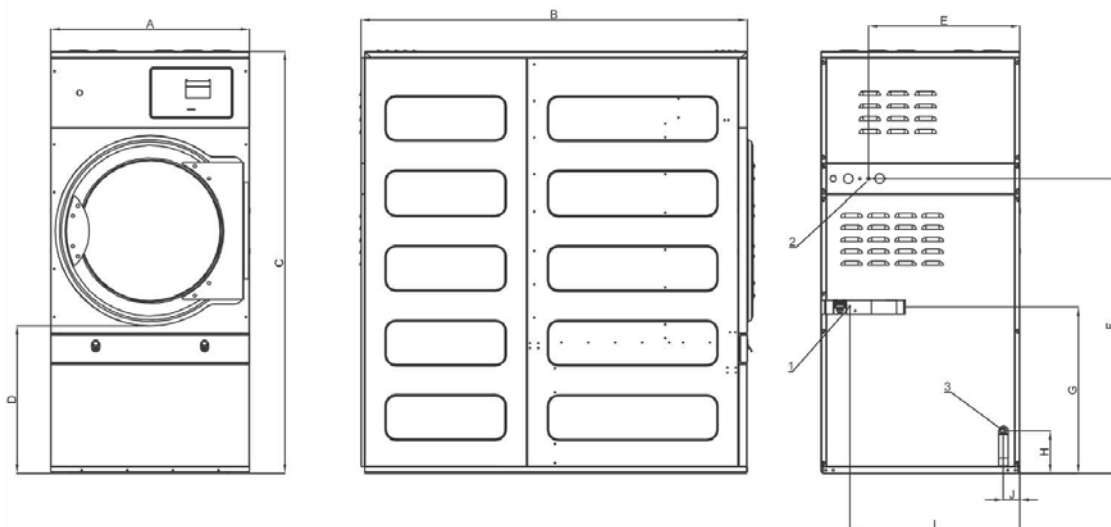
### 3.14. – VOLTAGES

- Three-phase models

## 4. ACCESSORIES AND OPTIONS

- Stainless steel front panel.
- Stainless steel front and side panels.





- 01. Refrig. water intake. (mains)
- 02. Electrical connection
- 03. Refrig. water outlet (warm water)

	A	B	C	D	E	F	G	H	I	J
DD11	785	1.315	1.694	618	600	1.190	685	210	586	65
DD18	785	1.585	1.694	618	600	1.190	680	210	586	65
DD23	890	1.720	1.812	672	660	1.190	680	210	646	125

## 6. SALES ARGUMENTS

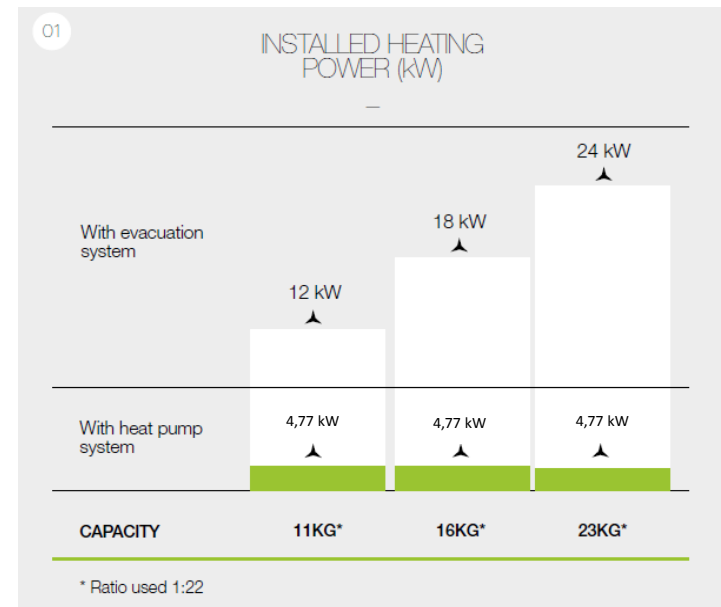
### 6.1.- SALES ARGUMENTS VS. COMPETITORS

#### GREAT ENERGY SAVINGS

The new Heat Pump tumble dryers represent a revolution as they offer around a **60% of energy saving**.

#### NO EXHAUST PIPE IS REQUIRED

Their technology makes them also ideal to be installed in places without access to the exterior of the building, also for the self-service sector, and their design simplifies considerably their installation.



## 6. SALES ARGUMENTS

### 6.1.- SALES ARGUMENTS VS. COMPETITORS

#### **SHORT DRYING CYCLES**

Lower drying time comparing with same technology of other dryers on the market.

#### **EASY INSTALLATION – LOW OPERATIONAL COST**

Lower electrical power contracted, only 4,77 kW needed.

