

technowell

Dehumidification Product Group

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What is Humidity?

Absolute humidity is described as the weight in grams of moisture found in 1 m³ of air.

Maximum humidity refers to the amount of moisture that 1 m³ air can carry at a given temperature. The amount of moisture that the air can carry increases as the temperature rises. In hot places, the maximum humidity is high, while in cold places it is low.

Relative humidity is defined as the ratio of absolute humidity to the maximum amount of humidity in the air. The relative humidity is expressed in percent (%).

The humidity gap in the air is eliminated when the relative humidity reaches 100%. This is referred to as **saturated air**.

The **humidity gap** is the difference between absolute humidity and maximum humidity in the air. The lower the humidity gap, the higher the relative humidity.

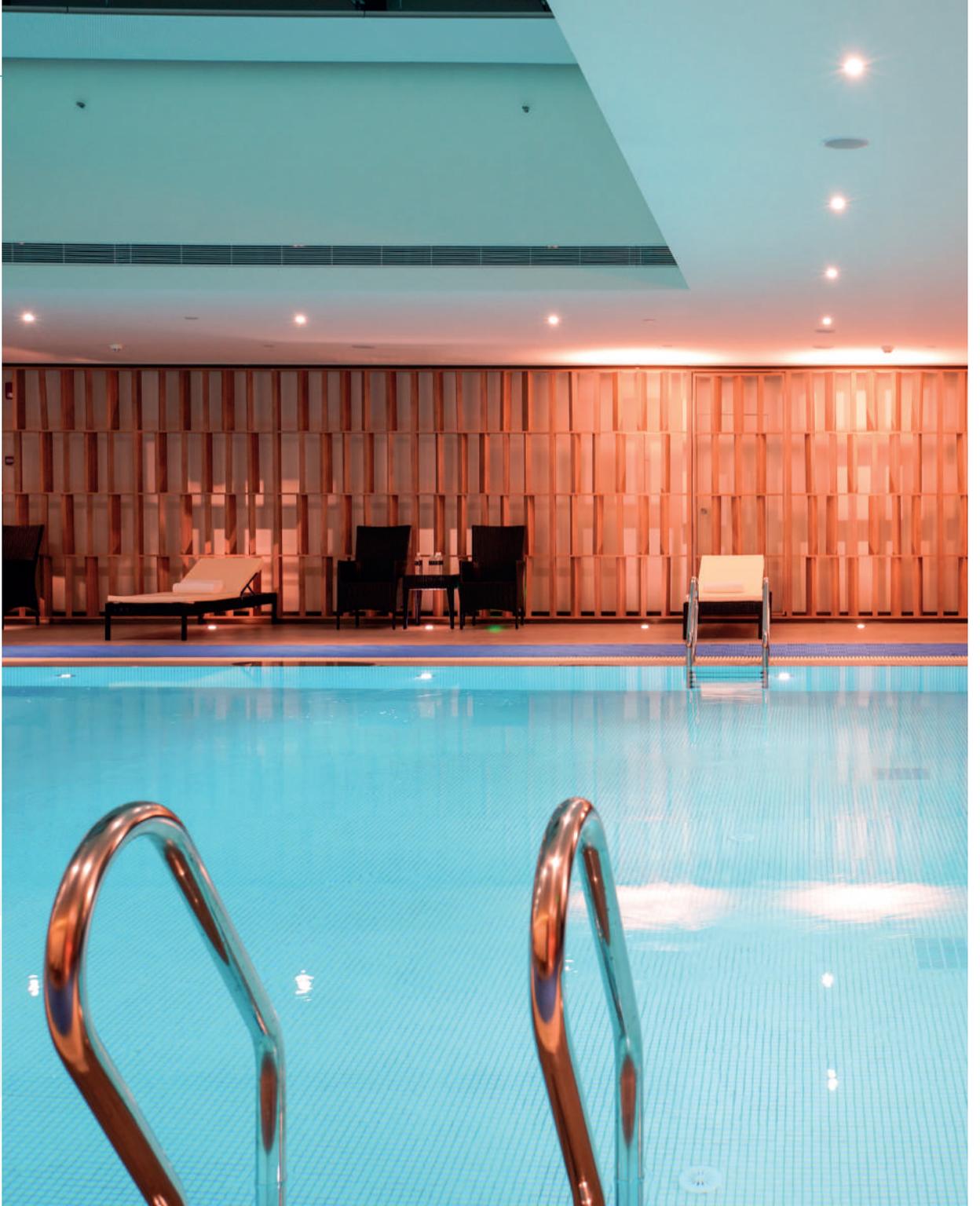
Why Do We Need Dehumidification?

Floods, water-damaged houses, construction projects, manufacturing processes, swimming pools, damp areas, valuable goods storage, medicine and food factories, and maintaining human comfort all require dehumidification processes. In addition to the amount of humidity in the air in the environment, moisture from people in the environment, water vapour from the kitchen or bathroom, manufacturing processes, or stored goods raises it even more. As a result, the need for dehumidification rises evermore.

The following are some examples of conditions that necessitate dehumidification.

- **Fungus and mold growth**
- **Increase of microorganism and bacterial activities**
- **Electronic devices stop working**
- **Corrosion**
- **Destruction in buildings**
- **Moisture damage to goods or objects**
- **Discomfort and annoyance as a result of the humid indoor environment**

Corrosion occurs in metals at high humidity levels. As a result, dehumidification systems protect valuable old tools, objects, or weapons. In damp bathrooms or living areas, mold and fungus may develop. In a humid climate, some medical and food products deteriorate quickly. These systems can easily eliminate flood damage. Fungus and mold-related odours may be removed. New buildings can be made available more quickly.



Compression Type Dehumidifiers

Technowell Compression Type Dehumidifiers offer ideal solutions to prevent the problems that high relative humidity can cause in commercial and industrial areas. Powerful commercial dehumidifiers are most effective at temperatures above 15 °C to reduce air humidity in large areas.

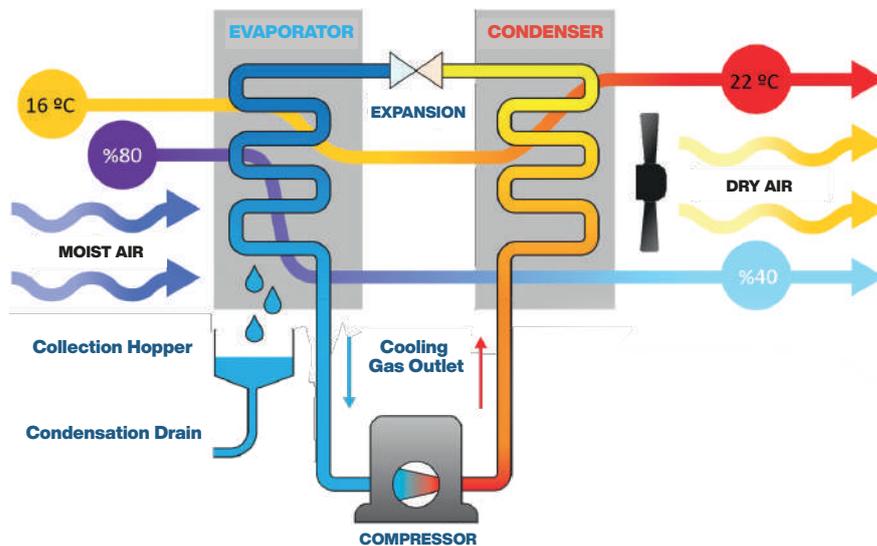
Compression type dehumidifiers provide reliable and clean dehumidification. They guard against moisture, mold, rust, and harmful bacteria. They play an important role in protecting machinery from corrosion, storing strategic products that need to be stored in a specific humidity range, protecting structures from moisture, and ensuring properly conditioned air for people.



How Does a Compression Type Dehumidifier Work?

It is accepted that the environment is indoor, according to the basic concept of dehumidification systems. Very small amounts of air can be allowed to enter the room. Thus, the ambient air is continuously passed through the dehumidifier and the condensed water is collected in a water tank. The dehumidifier is a device that works with a cooling cycle. When air comes into contact with a cooled surface, it leaves excess water on the surface due to its thermodynamic and physical properties.

In general, the fan absorbs high-relative-humidity ambient air, and some water is condensed by passing it through an evaporator with a cold surface. Because of the cooling, the absolute humidity of the air that releases moisture inside decreases, but the relative humidity remains high. The temperature of the air flowing over the condenser rises later, the relative humidity rate drops, and the air is released into the environment.



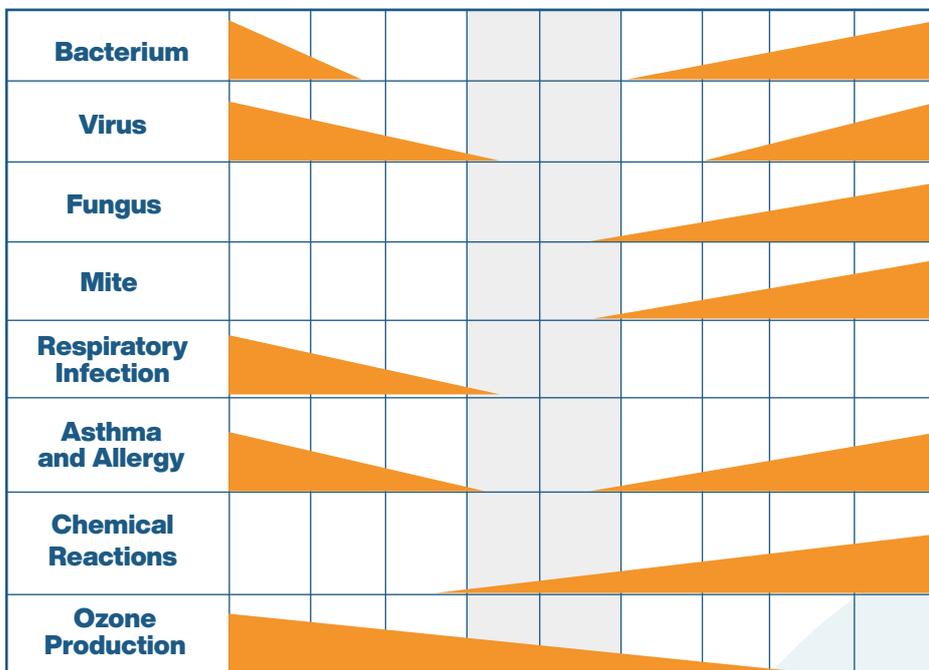
How Is Condensed Water Drained?

Water is usually thrown out of compression type dehumidifiers through a water tank or a drain hose. To prevent the water tank from overflowing, all appliances have an automatic shut-off and warning system.

Necessary Humidity Values for Ideal Comfort

Some values, such as metabolic activity and airspeed, are taken into account when determining the optimum humidity values for ideal comfort and indoor air quality for people. Patients with asthma and heart disease, in particular, are affected far more quickly than healthy people from environments with poor-quality temperature and humidity. Furthermore, the optimal humidity and temperature levels required for most bacteria, viruses, and other microorganisms to multiply and reproduce have a negative impact on human life.

Optimum Humidity Value for Ideal Comfort and Indoor Air



Optimum Relative Humidity %45 - %55

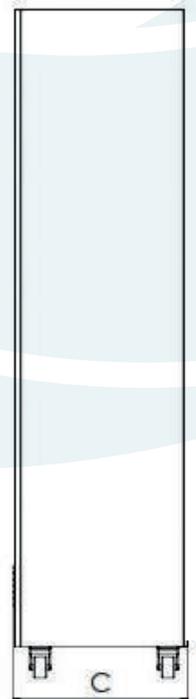
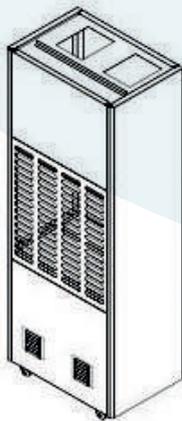
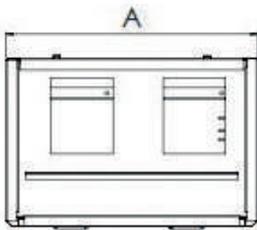
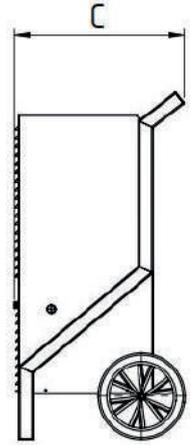
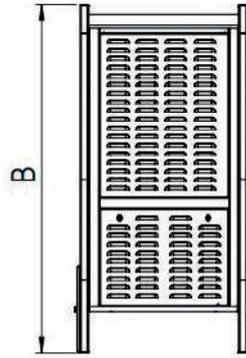
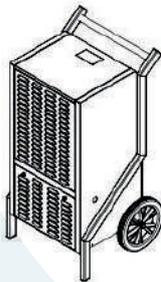
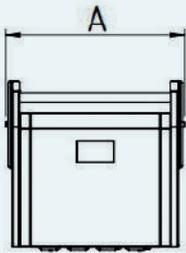
Defrost

When the device is used at a low temperature in the internal atmosphere for an extended period, the moisture in the air condenses, freezes, and sticks to the evaporator, reducing the dehumidification effect. Automatic defrosting is done based on the temperature value set on the unit to effectively solve this problem.

An evaporator by-pass valve and an electronic card with a defrost scenario are included in our devices that use hot gas defrost system. The hot gas defrosts operating mode is a unique system unique to our dehumidifiers. This system consists of a thermostat and electronic control that uses only the hot gas bypass when necessary. This application extends the life of the appliance by reducing the hot gas consumption phases.



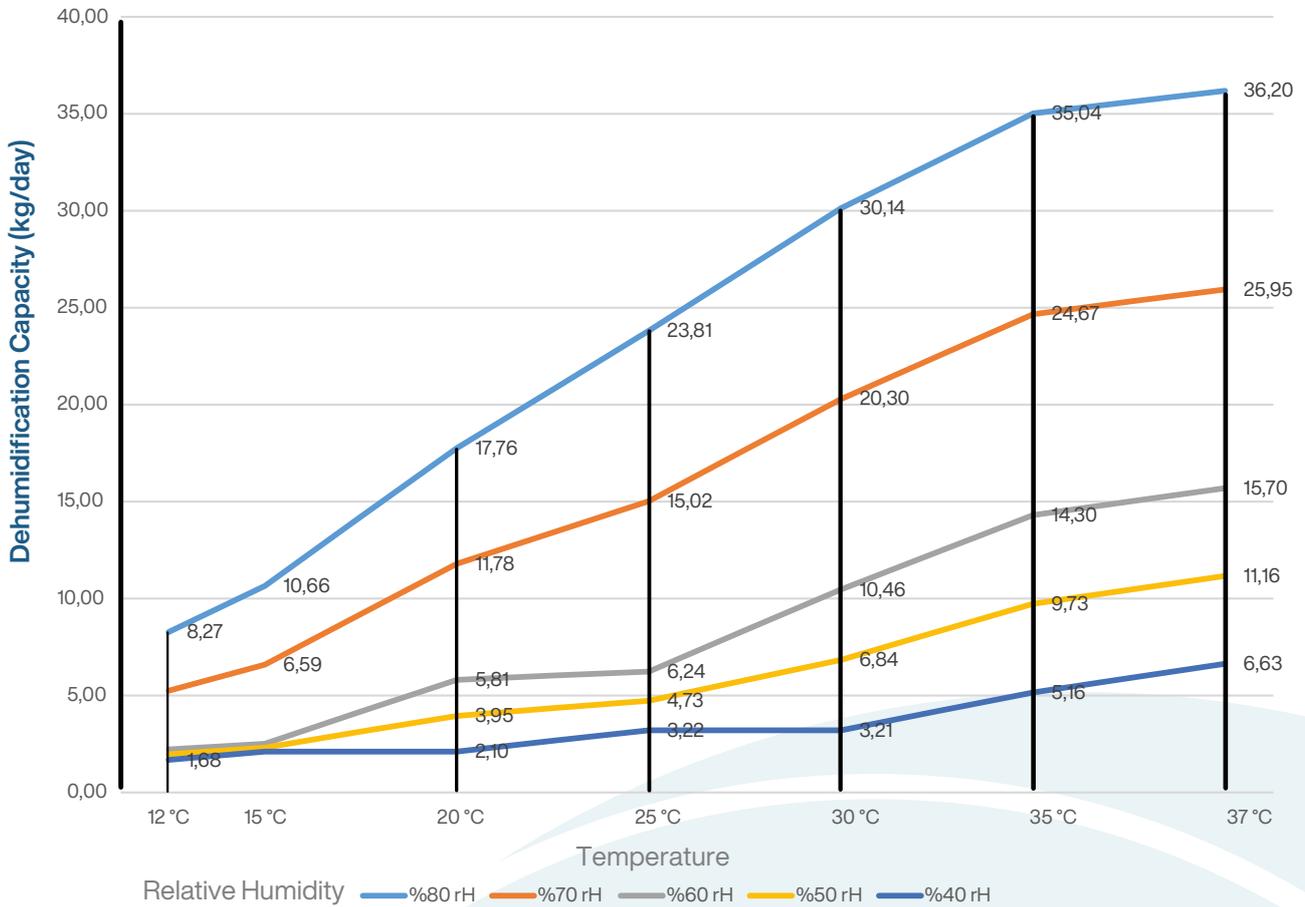
TECHNICAL FEATURES



MODEL	TCD-30	TCD-50	TCD-75	TCD-125	TCD-165
DEHUMIDIFICATION CAPACITY (30°C KT- RH 80%)	30 kg/day	50 kg/day	72 kg/day	122 kg/day	163 kg/day
DEHUMIDIFICATION CAPACITY (20°C KT- RH 60%)	6 kg/day	14 kg/day	27 kg/day	43 kg/day	77 kg/day
RECOMMENDED ROOM AREA	40 m ²	70 m ²	100 m ²	150 m ²	250 m ²
HUMIDITY CONTROL RANGE	%30 - %80	%30 - %80	%30 - %80	%30 - %80	%30 - %80
RATED POWER	1,5 kW	2,2 kW	1,2 kW	2,04 kW	3,3 kW
OPERATION CURRENT	7,7 A	11,1 A	5,9 A	10,3 A	16 A
POWER SUPPLY	220 V – 50 Hz	220 V – 50 Hz	220 V – 50 Hz	220 V – 50 Hz	220 V – 50 Hz
REFRIGERANT	R134A	R134A	R410A	R410A	R410A
AMOUNT OF REFRIGERANT	1000 gr	1100 gr	950 gr	1600 gr	1800 gr
OPERATING TEMPERATURE RANGE	12 °C – 37 °C	12 °C – 37 °C	12 °C – 37 °C	12 °C – 37 °C	12 °C – 32 °C
SOUND LEVEL	≤75 dB(A)	≤75 dB(A)	≤70 dB(A)	≤80 dB(A)	≤80 dB(A)
AIR FLOW	350 m ³ /h	690 m ³ /h	1100 m ³ /h	1630 m ³ /h	1630 m ³ /h
WATER TANK VOLUME	6 lt	6 lt	Continuous drain	Continuous drain	Continuous drain
DIMENSIONS AXBXC (mm)	442 x 812 x 524	536 x 1008 x 521	618 x 1206 x 586	592 x 1587 x 413	592 x 1587 x 413

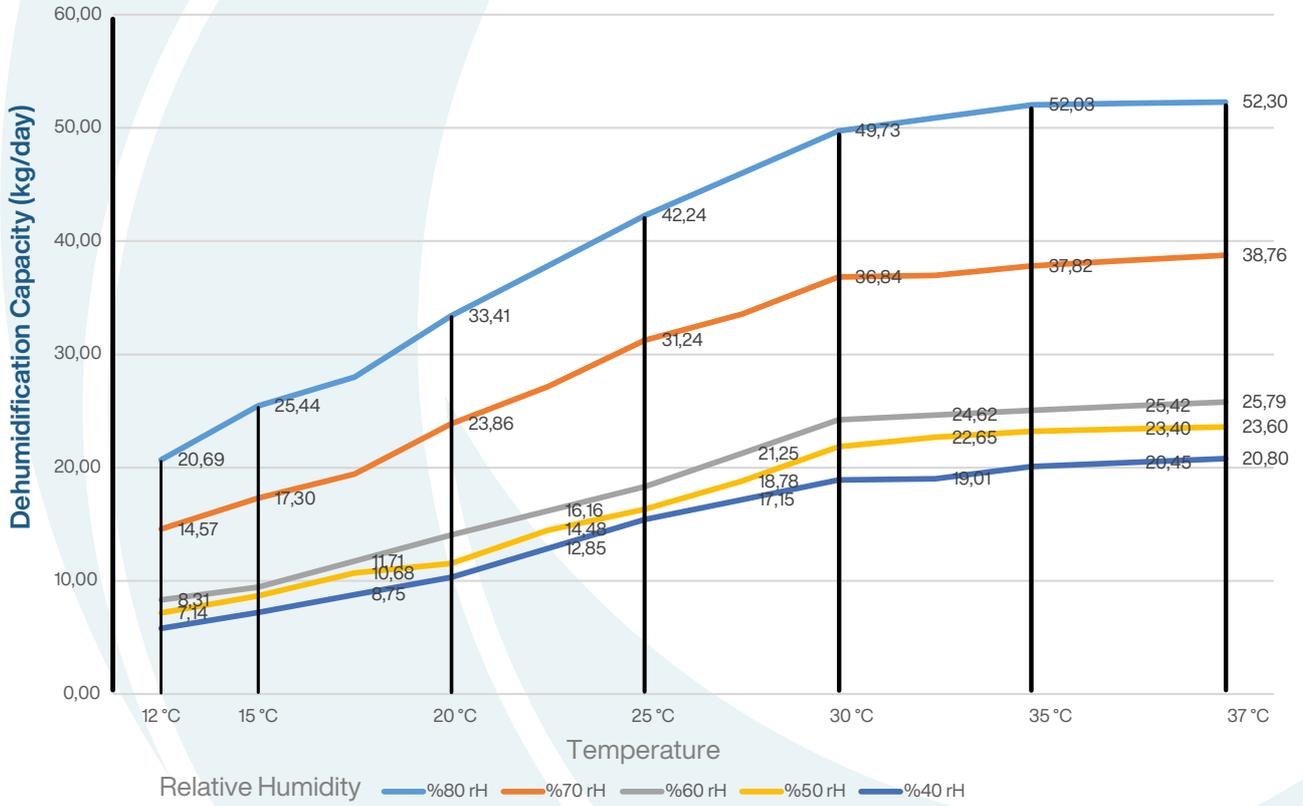
PERFORMANCE CURVES

TCD-30

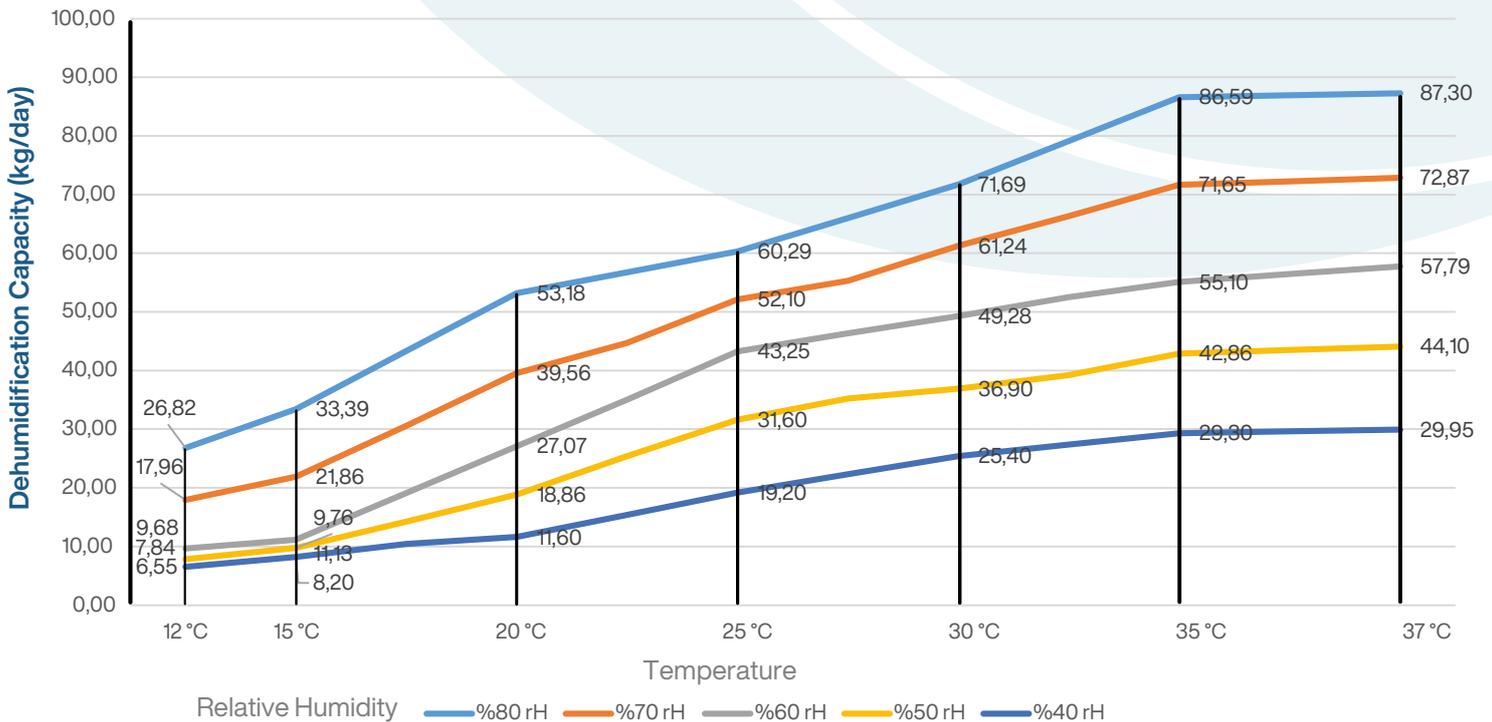


PERFORMANCE CURVES

TCD-50

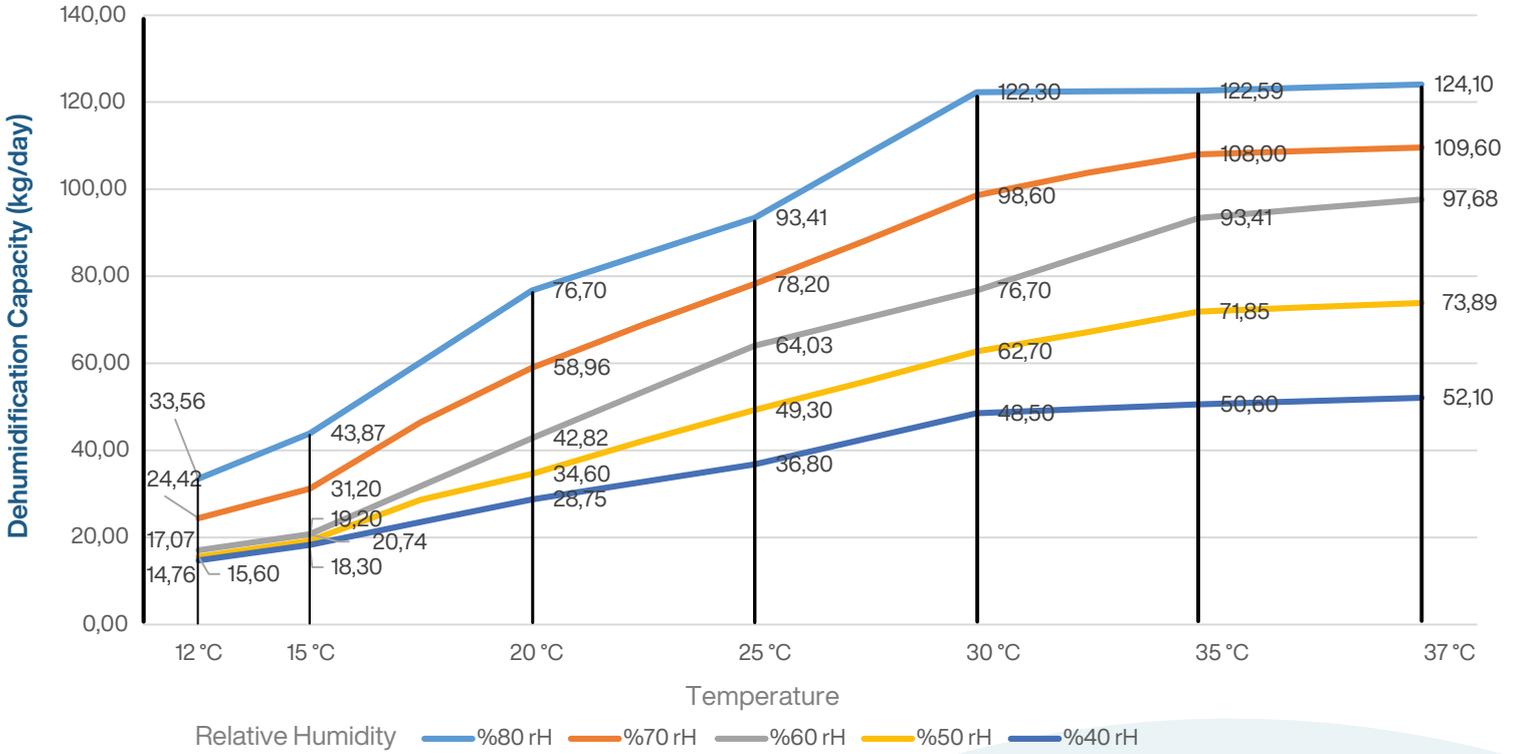


TCD-75

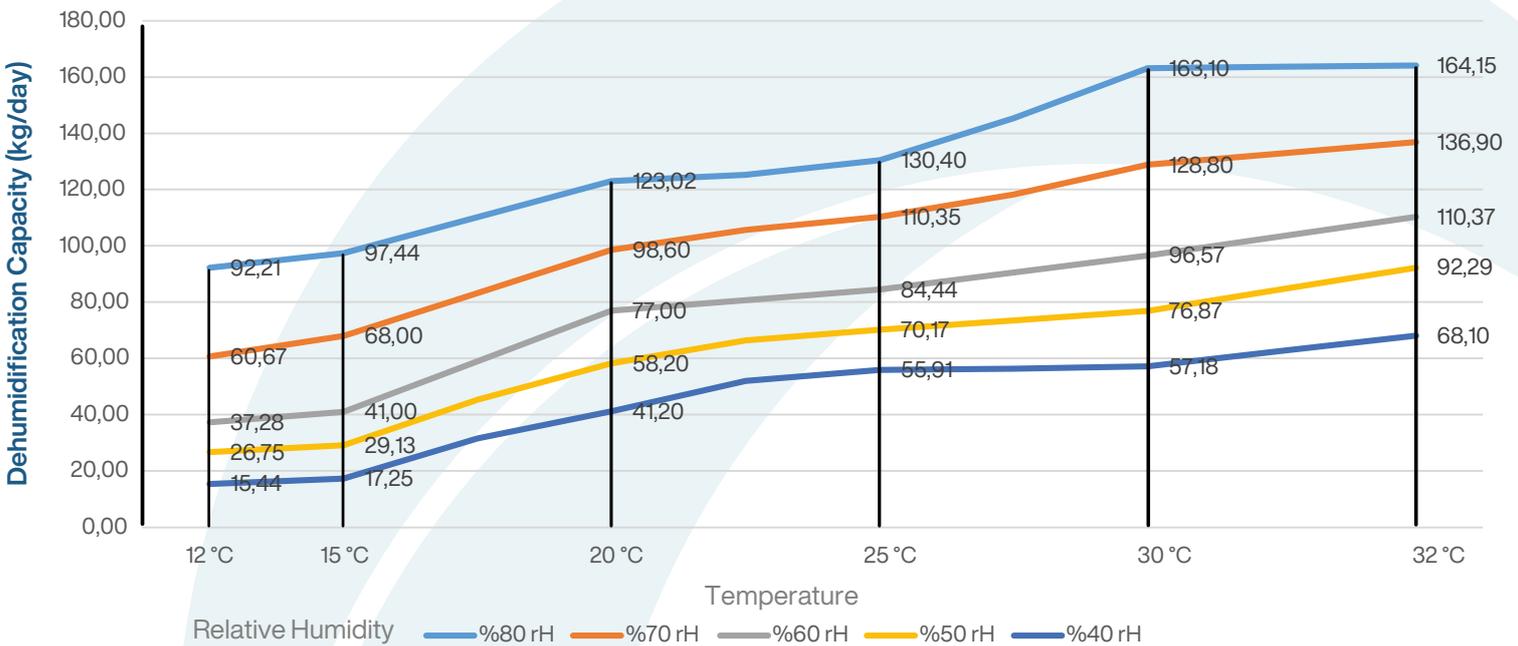


PERFORMANCE CURVES

TCD-125



TCD-165



Practical Spreadsheet For Basements

Basement

Lower Basement

Capacity

	Damp Places (m ³)	Places with Low Damp (m ³)	Damp Places (m ³)	Places with Low Damp (m ³)
20 – 35 kg/day	350	450	400	500
40 – 45 kg/day	500	650	580	700
60 – 65 kg/day	650	850	750	950
90 – 100 kg/day	1000	1300	1150	1450
150 kg/day	1700	2200	1950	2600
250 kg/day	2500	3100	2800	3400
350 kg/day	3800	4900	4300	5400
520 kg/day	5500	7000	6250	7700



Practical Spreadsheet for Indoor Swimming Pools

The amount of water in kg evaporating from the pool surface
per unit m² per hour

Room Temperature °C
20
22
24
26
28
30

%RH	Pool Water Temperature °C										
	24	26	27	28	29	30	31	32	33	34	38
50	0,14	0,15	0,18	0,18	0,20	0,22	0,24	0,26	0,28	0,31	0,38
60	0,12	0,13	0,15	0,16	0,18	0,20	0,23	0,24	0,27	0,29	0,37
50	0,12	0,13	0,15	0,17	0,19	0,20	0,23	0,25	0,27	0,29	0,37
60	0,11	0,12	0,14	0,16	0,18	0,19	0,21	0,23	0,25	0,28	0,35
50	0,11	0,13	0,14	0,16	0,17	0,19	0,21	0,26	0,28	0,31	0,38
60	0,08	0,10	0,12	0,13	0,15	0,17	0,19	0,24	0,27	0,29	0,37
50	0,14	0,15	0,18	0,18	0,20	0,22	0,24	0,21	0,26	0,28	0,36
60	0,12	0,13	0,15	0,16	0,18	0,20	0,23	0,24	0,23	0,25	0,32
50	0,08	0,10	0,12	0,13	0,15	0,17	0,19	0,21	0,23	0,25	0,33
60	0,06	0,07	0,09	0,11	0,12	0,14	0,16	0,18	0,20	0,23	0,31
50	0,07	0,08	0,10	0,12	0,14	0,16	0,17	0,19	0,22	0,24	0,32
60	0,03	0,05	0,06	0,08	0,10	0,12	0,14	0,16	0,18	0,20	0,28



Desiccant Wheel Type Dehumidifiers

When low humidity levels are needed, our devices save energy in humidity control by using a desiccant wheel style heat exchanger. With its silica gel wheel and channels on the drum, it achieves precise humidity control by highly efficient adsorption. Even after 8 years of use, the silica gel wheel still retains 90% of its dehumidification capability.

With its long wheel life, durable layout, low energy consumption, and high drying capacity, Desiccant Wheel Type Dehumidifiers are strong dehumidifiers suitable for all environments.

It comes with a built-in temperature sensor, humidity sensor and a touch control panel for real-time monitoring.

Advanced technology has been used to develop a heating system with controlled regenerative heat that can save up to 30% on electricity consumption. To enable air duct connection easier, the dehumidifier's air inlets and outlets comply with the ISO7807 duct connection standard.

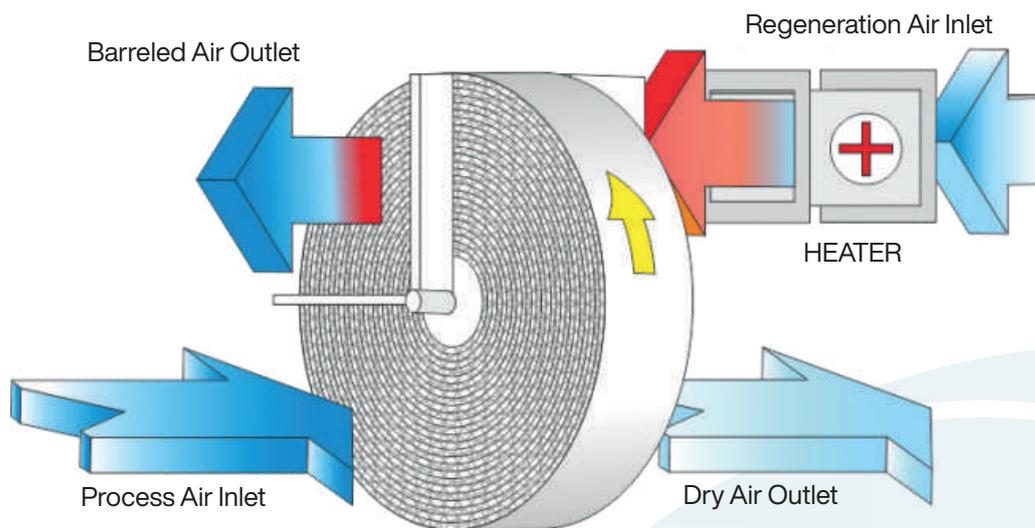


Operating Principle

Desiccant wheel type dehumidifiers work based on the adsorption theory. The desiccant wheel inside the unit absorbs moisture from the process air. While the desiccant adsorbs the moisture, it gradually returns it to the reactivation area.

Hot air passes through the desiccant wheel during reactivation, removing the moisture from the wheel. The wheel returns to the process air stream after reactivation to begin re-adsorption. Adsorption and reactivation occur continuously and simultaneously.

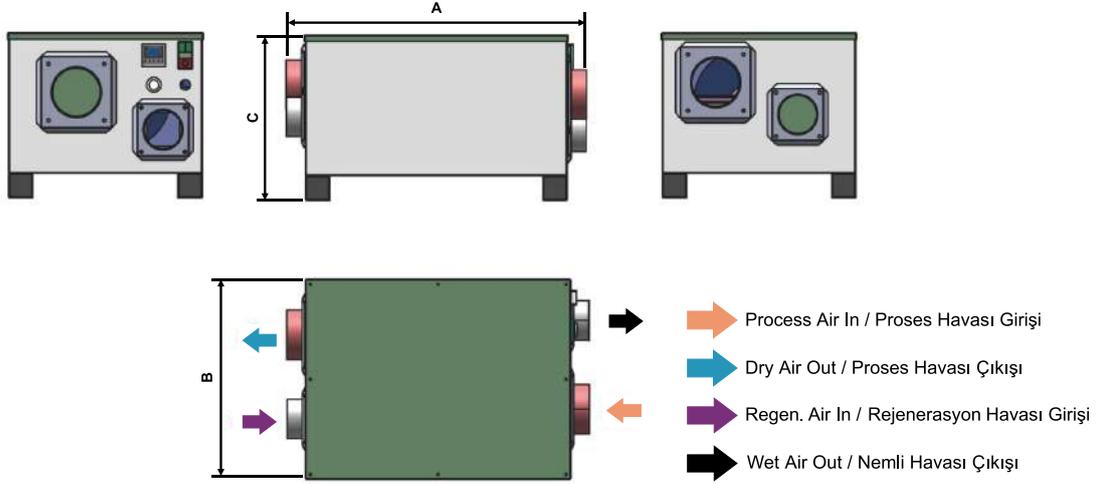
The two air streams are separated by a complete seal, which prevents them from mixing.



Features of Desiccant Wheel Type Dehumidifier

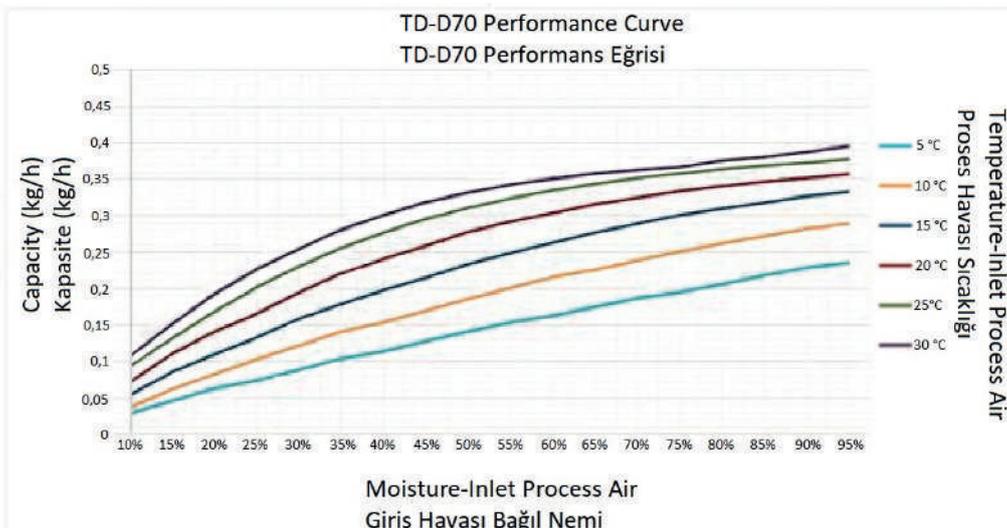
- A high-performance desiccant wheel with a large moisture capacity is used to ensure reliable performance and continuous operation. Under normal operating conditions, the desiccant wheel has a working life of 5-8 years. (non-corrosive environment and regeneration temperature below 140 ° C).
- It has an advanced touch control panel with built-in temperature and humidity sensors for real-time monitoring, easy to use and user friendly.
- Our desiccant wheel type dehumidifier is equipped with a double-speed centrifugal fan for the process air fan, which can be set to run at high and low speed. There is also a separate fan for regeneration air.
- Simple and elegant design with a one-of-a-kind frame for improved sealing and insulation to minimize heat loss.
- With a body made of galvanized sheet and a powder coating, it offers greater abrasion resistance.
- It is made of high-quality electrical components from reputable manufacturers.
- Low operating cost and energy saving. Using PTC and SCR-made heating technology with advanced processor-controlled refresh temperature, our desiccant wheel type dehumidifier can save 20-30% on power consumption.
- It has a structure that makes installation and maintenance easy, with a G4 filter that can be replaced and a washable wheel. It is also produced in accordance with Fire Prevention Standards to ensure that the machine operates safely.
- To make air duct connection easier, the machine's inlet and outlet air meet the ISO 7807 duct connection standard.
- Devices and equipment comply with TUV, GS, ROHS and CE standards.

TD-D70 Desiccant Wheel Type Dehumidifier

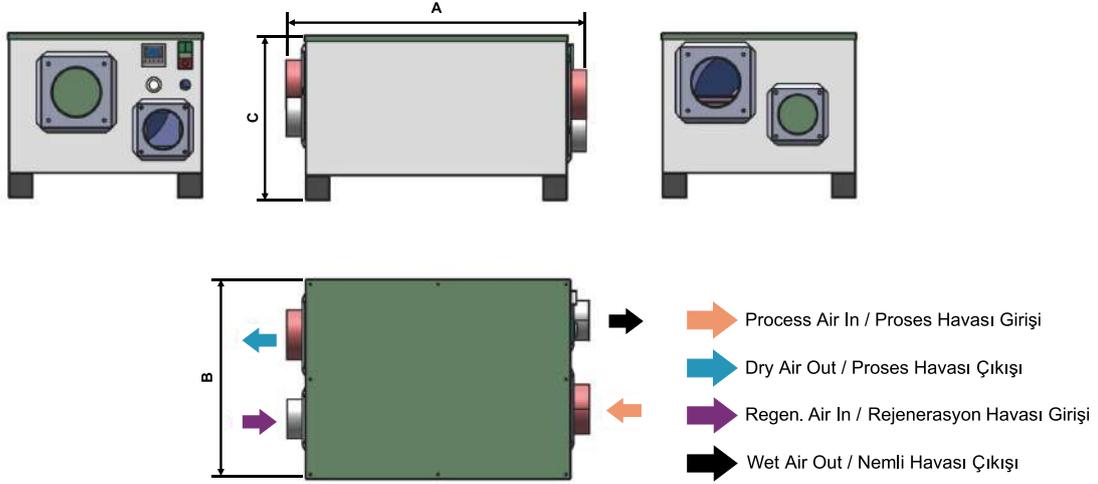


Capacity (20°C, 60% RH)	0,3 kg/h
Process Air Flow	70 m ³ /h – 50 Pa
Reactivation Air Flow	27 m ³ /h – 20 Pa
Process Air Inlet & Outlet	Ø 50 mm
Regeneration Air Inlet & Outlet	Ø 30 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	1kW

Rated Power	0,8 kW
Operation Current	3,5 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	220 V – 50 Hz
Weight	18 kg
Dimensions (AxBxC) mm	620x404x336

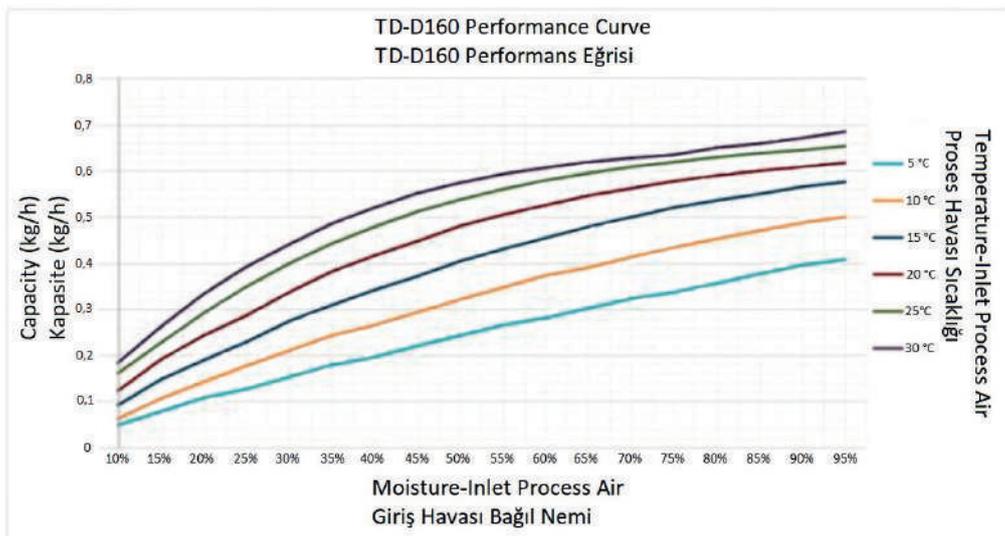


TD-D160 Desiccant Wheel Type Dehumidifier

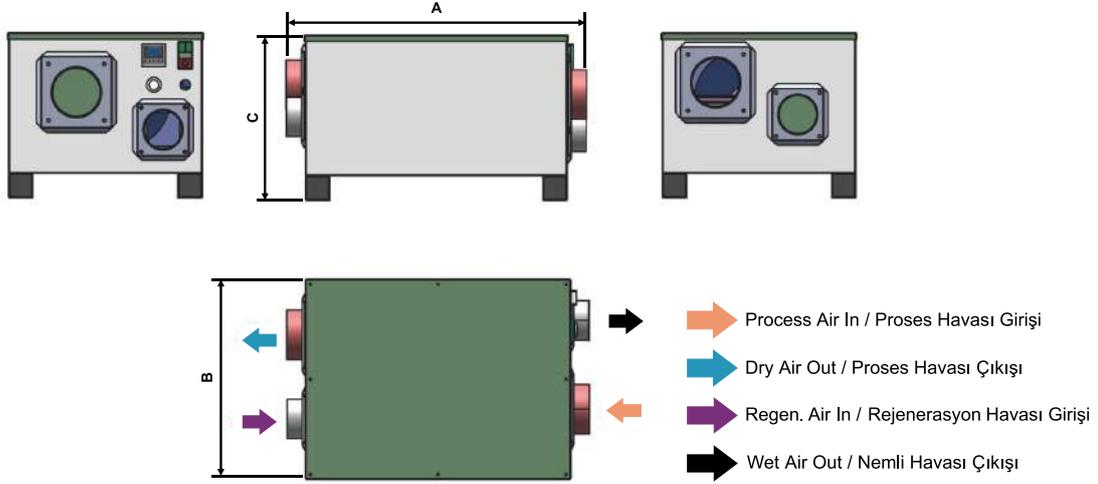


Capacity (20°C, 60% RH)	0,5 kg/h
Process Air Flow	160 m ³ /h - 60 Pa
Reactivation Air Flow	40 m ³ /h - 20 Pa
Process Air Inlet & Outlet	Ø 100 mm
Regeneration Air Inlet & Outlet	Ø 80 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	1,5 kW

Rated Power	1,2 kW
Operation Current	5,22 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	220 V - 50 Hz
Weight	25 kg
Dimensions (AxBxC) mm	620x404x336

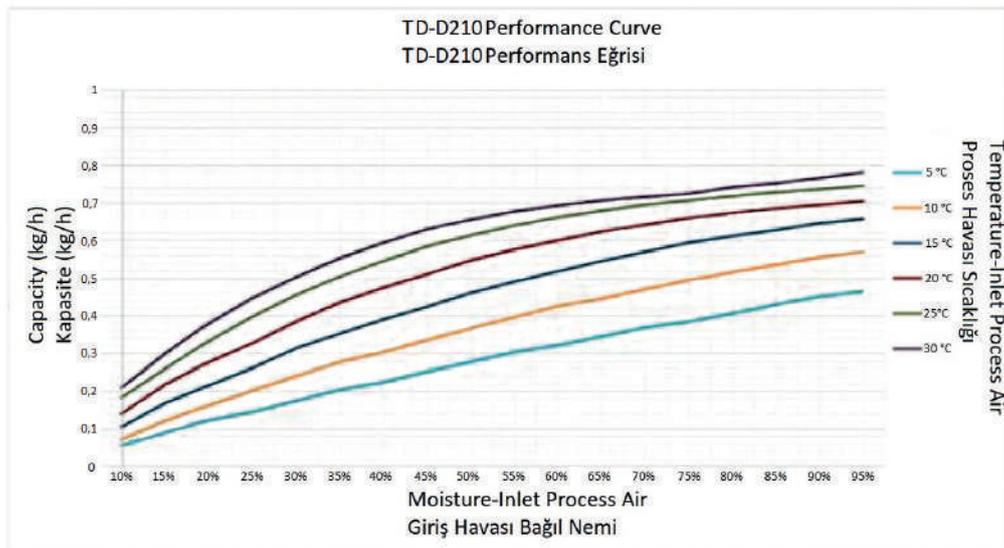


TD-D210 Desiccant Wheel Type Dehumidifier

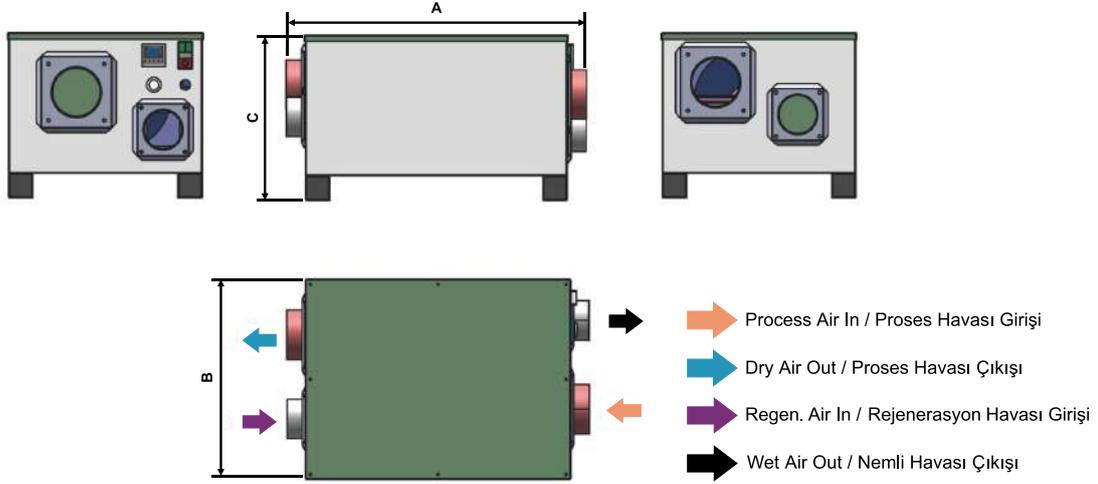


Capacity (20°C, 60% RH)	0,6 kg/h
Process Air Flow	210 m ³ /h - 60 Pa
Reactivation Air Flow	60 m ³ /h - 20 Pa
Process Air Inlet & Outlet	Ø 100 mm
Regeneration Air Inlet & Outlet	Ø 80 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	1,5 kW

Rated Power	1,2 kW
Operation Current	5,22 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	220 V - 50 Hz
Weight	28 kg
Dimensions (AxBxC) mm	620x404x336

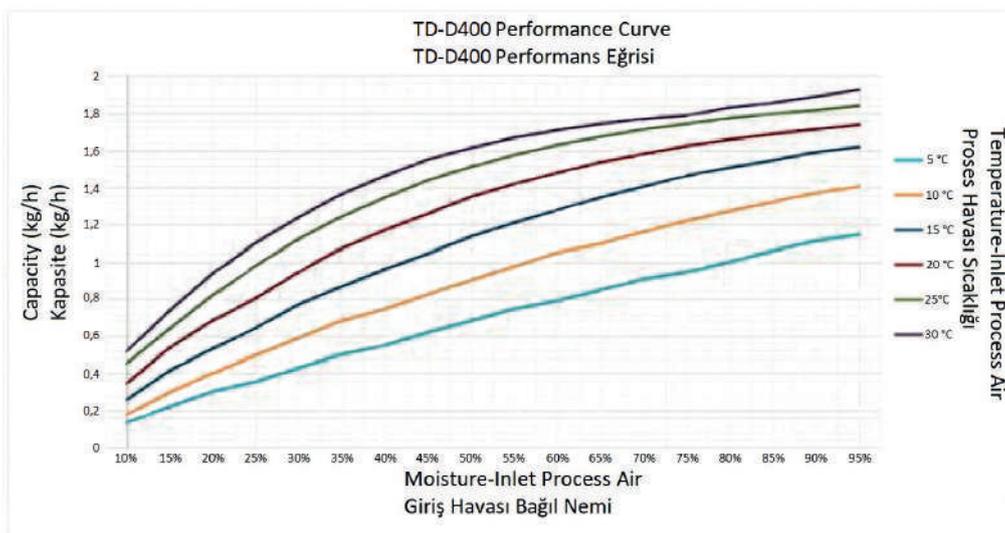


TD-D400 Desiccant Wheel Type Dehumidifier

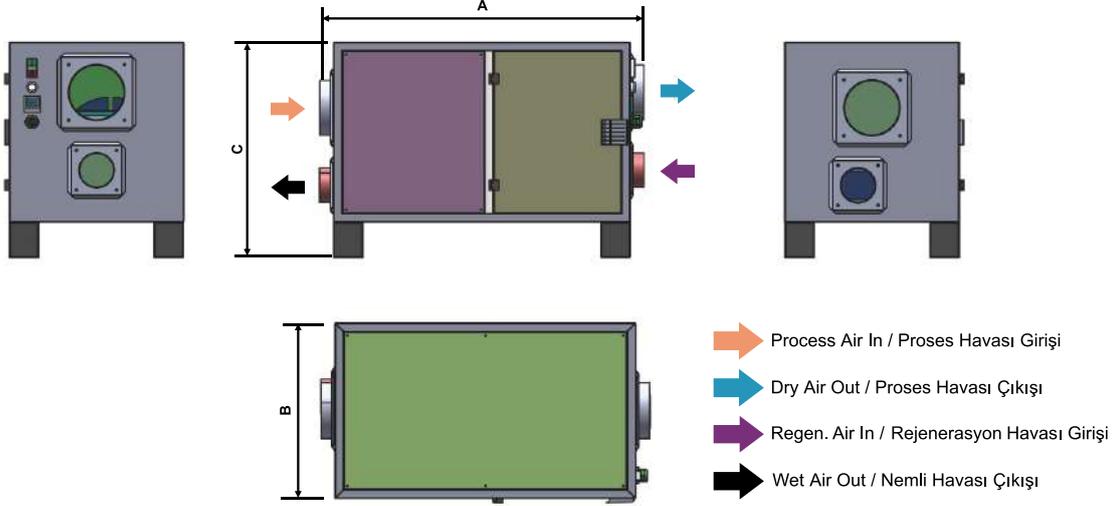


Capacity (20°C, 60% RH)	1,5 kg/h
Process Air Flow	400 m ³ /h – 100 Pa
Reactivation Air Flow	135 m ³ /h – 50 Pa
Process Air Inlet & Outlet	Ø 125 mm
Process Air Inlet & Outlet	Ø 80 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	3 kW

Rated Power	2,5 kW
Operation Current	10,8 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	220 V – 50 Hz
Weight	35 kg
Dimensions (AxBxC) mm	640x425x367

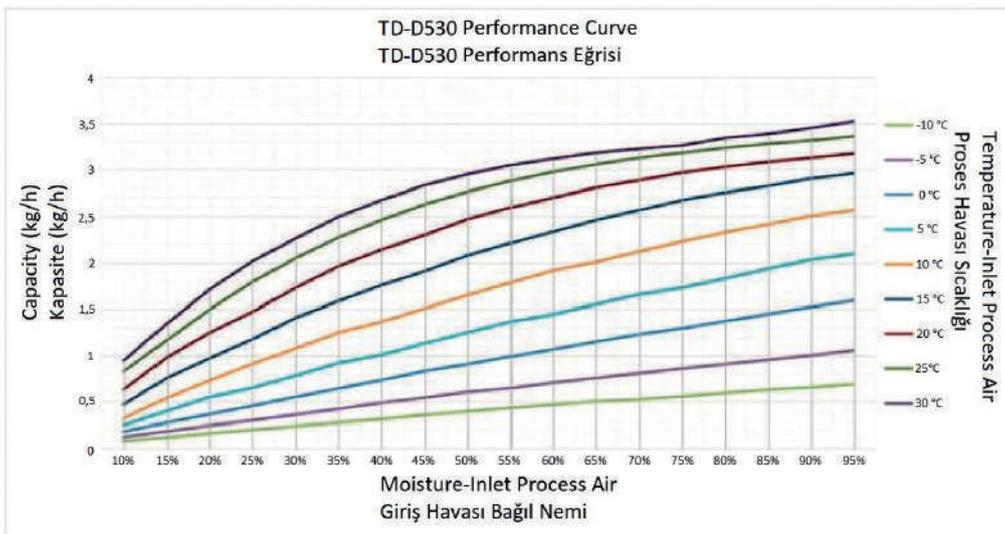


TD-D530 Desiccant Wheel Type Dehumidifier

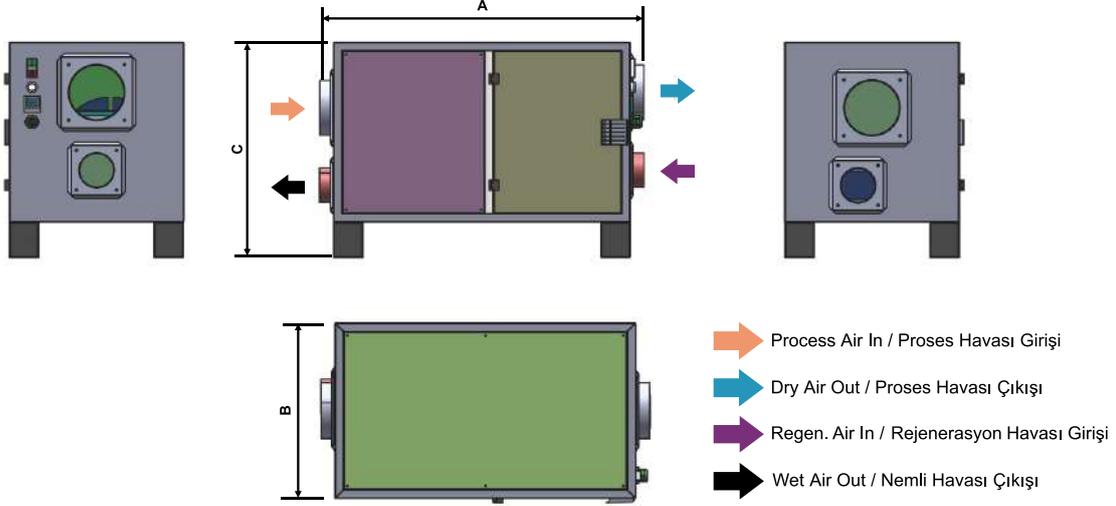


Capacity (20°C, 60% RH)	2,7 kg/h
Process Air Flow	550 m ³ /h – 150 Pa
Reactivation Air Flow	160 m ³ /h – 50 Pa
Process Air Inlet & Outlet	Ø 160 mm
Regeneration Air Inlet & Outlet	Ø 100 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	5,3 kW

Rated Power	5,0 kW
Operation Current	21,4 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	220 V – 50 Hz
Weight	55 kg
Dimensions (AxBxC) mm	930x513x622

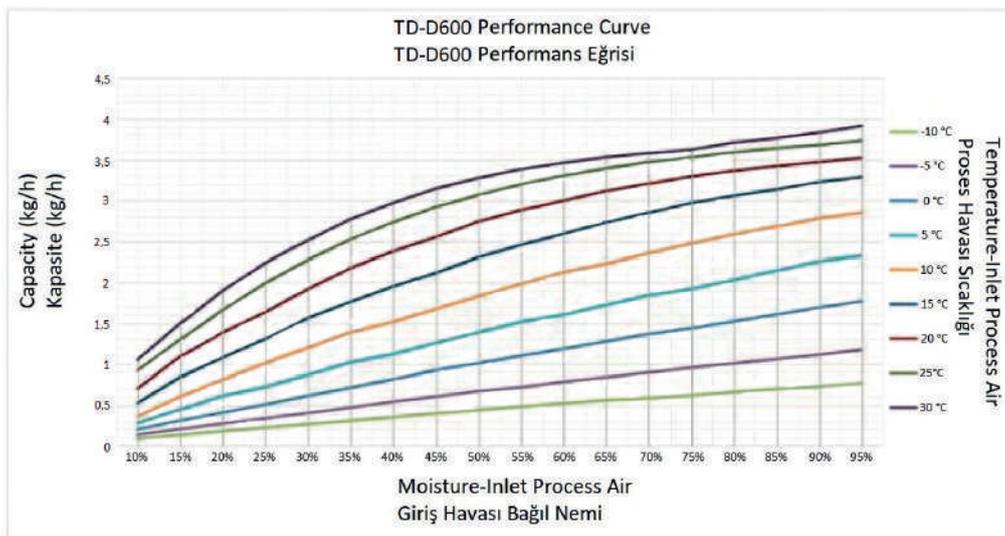


TD-D600 Desiccant Wheel Type Dehumidifier

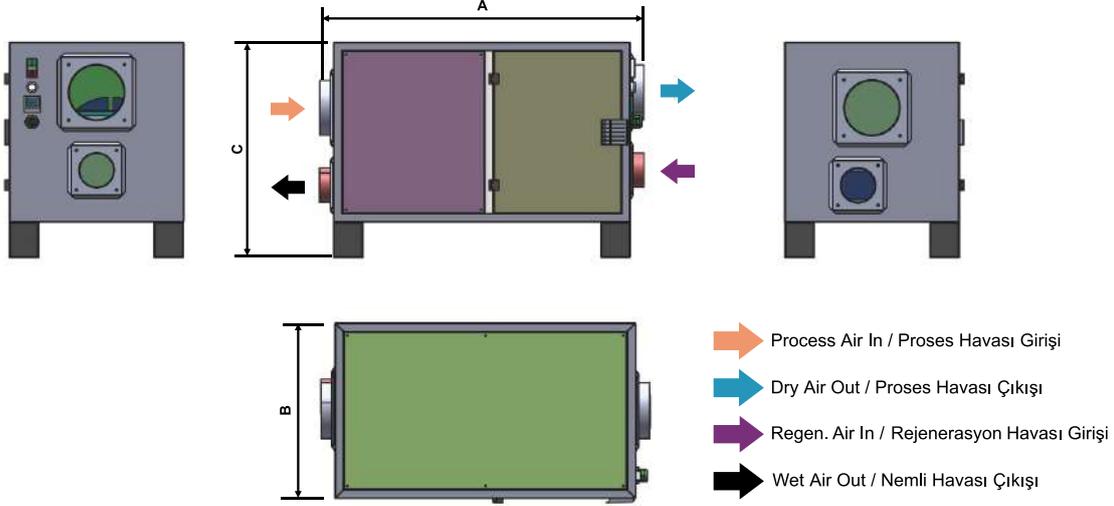


Capacity (20°C, 60% RH)	3,0 kg/h
Process Air Flow	600 m ³ /h – 150 Pa
Reactivation Air Flow	200 m ³ /h – 80 Pa
Process Air Inlet & Outlet	Ø 160 mm
Regeneration Air Inlet & Outlet	Ø 100 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	6,2 kW

Rated Power	5,5 kW
Operation Current	21,4 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	220 V – 50 Hz
Weight	62 kg
Dimensions (AxBxC) mm	930x513x622

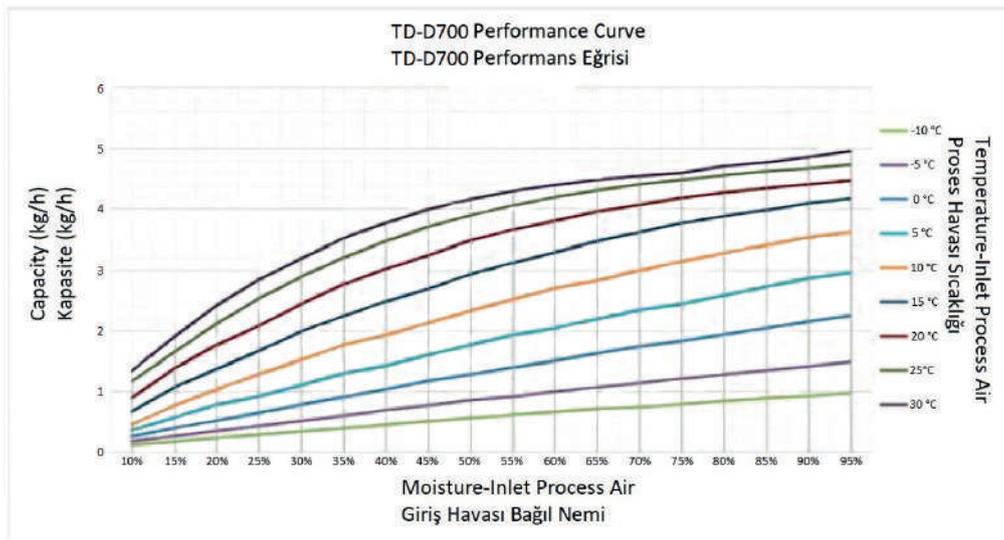


TD-D700 Desiccant Wheel Type Dehumidifier

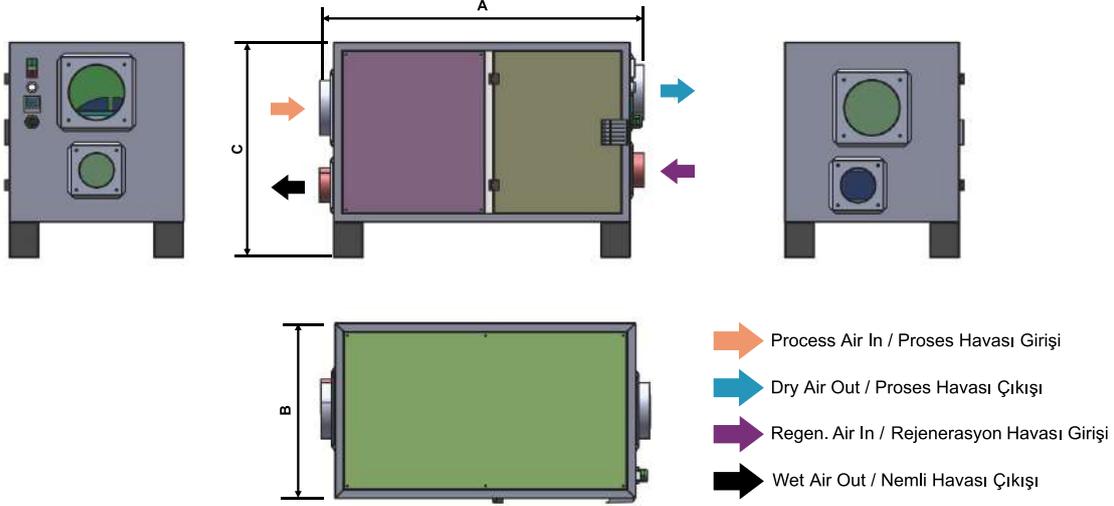


Capacity (20°C, 60% RH)	3,8 kg/h
Process Air Flow	700 m ³ /h – 150 Pa
Reactivation Air Flow	230 m ³ /h – 80 Pa
Process Air Inlet & Outlet	Ø 200 mm
Regeneration Air Inlet & Outlet	Ø 125 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	8,5 kW

Rated Power	8,0 kW
Operation Current	35 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	220 V – 50 Hz
Weight	75 kg
Dimensions (AxBxC) mm	1020x563x652

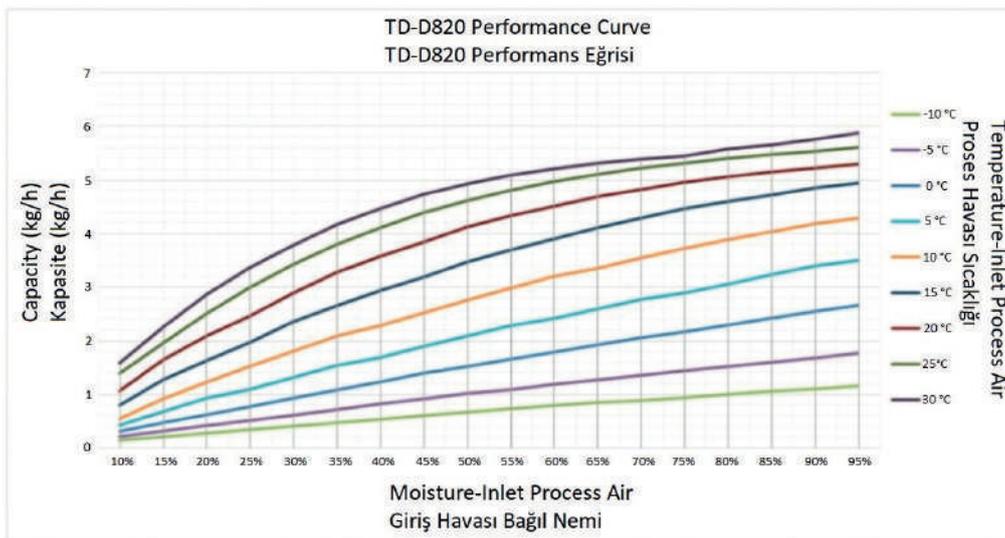


TD-D820 Desiccant Wheel Type Dehumidifier

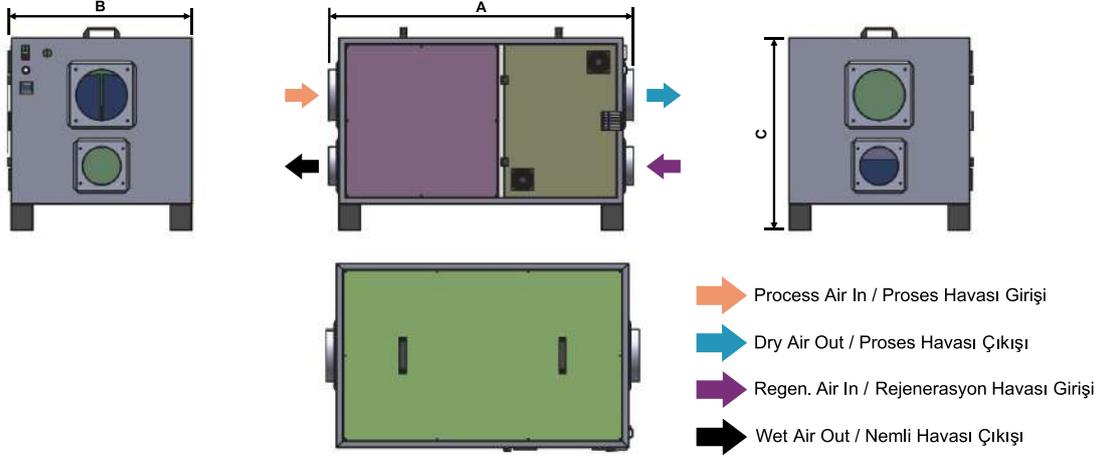


Capacity (20°C, 60% RH)	4,5 kg/h
Process Air Flow	820 m ³ /h – 200 Pa
Reactivation Air Flow	250 m ³ /h – 100 Pa
Process Air Inlet & Outlet	Ø 200 mm
Regeneration Air Inlet & Outlet	Ø 125 mm
Heater Type	PTC
Heater Drive	Contactör
Maximum Power	9,5 kW

Rated Power	9,0 kW
Operation Current	23,6 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	380 V – 50 Hz
Weight	88 kg
Dimensions (AxBxC) mm	1178x713x790

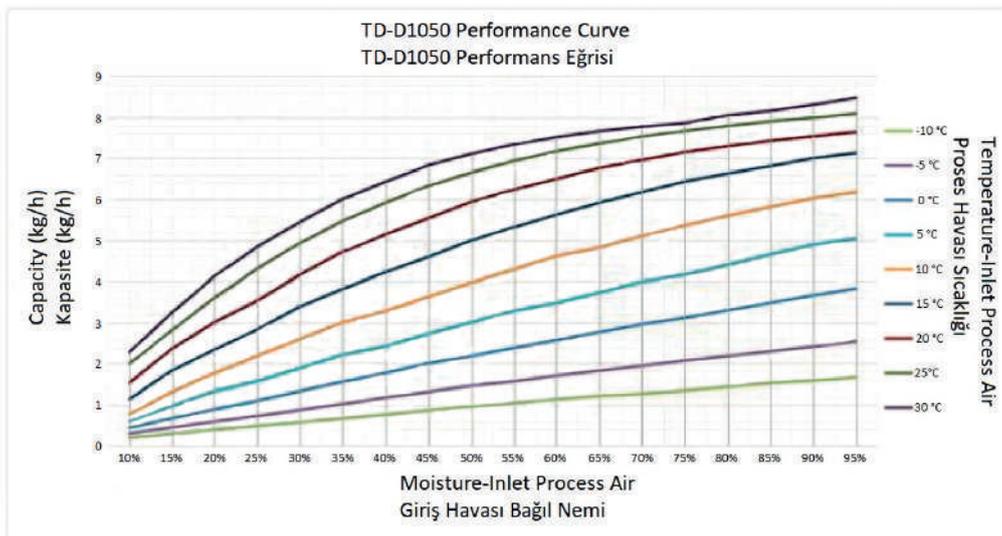


TD-D1050 Desiccant Wheel Type Dehumidifier

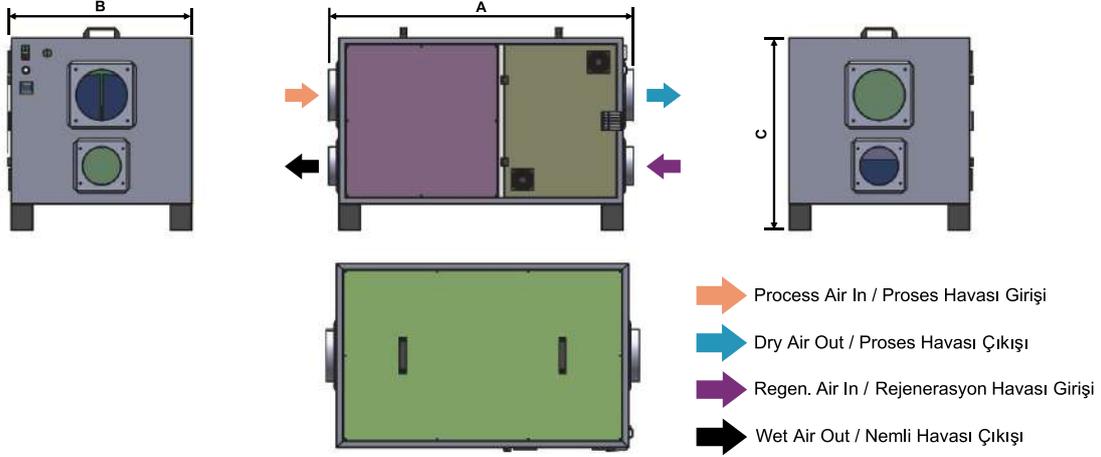


Capacity (20°C, 60% RH)	6,5 kg/h
Process Air Flow	1050 m ³ /h - 200 Pa
Reactivation Air Flow	350 m ³ /h - 150 Pa
Process Air Inlet & Outlet	Ø 200 mm
Regeneration Air Inlet & Outlet	Ø 150 mm
Heater Type	PTC
Heater Drive	SCR
Maximum Power	9,5 kW

Rated Power	10,5 kW
Operation Current	27,6 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	380 V - 50 Hz
Weight	110 kg
Dimensions (AxBxC) mm	1178x713x752

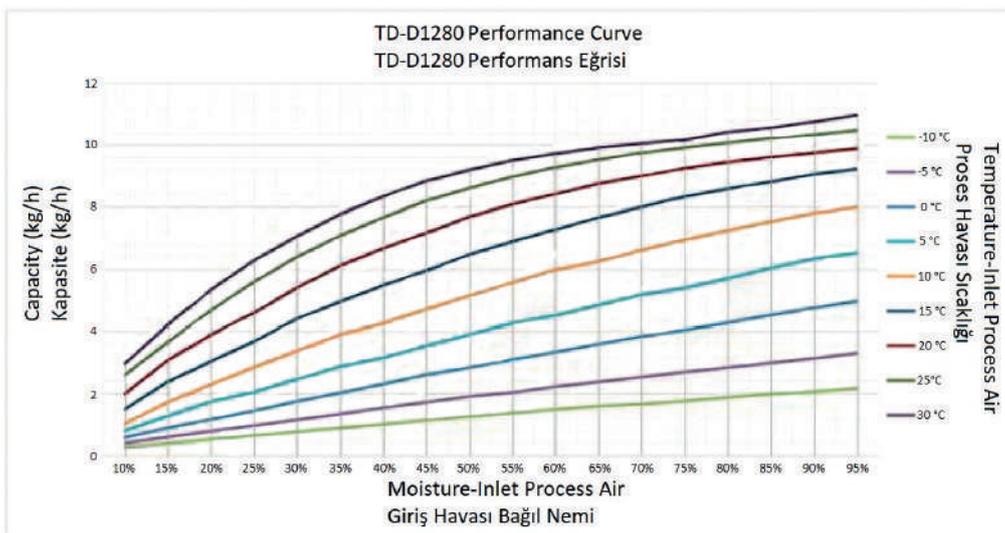


TD-D1280 Desiccant Wheel Type Dehumidifier

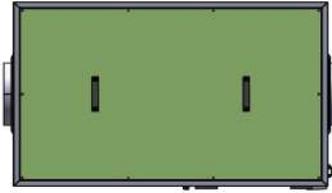
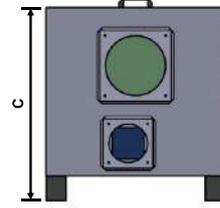
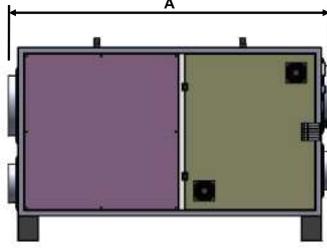
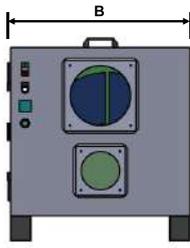


Capacity (20°C, 60% RH)	8,5 kg/h
Process Air Flow	1300 m ³ /h - 200 Pa
Reactivation Air Flow	450 m ³ /h - 150 Pa
Process Air Inlet & Outlet	Ø 200 mm
Regeneration Air Inlet & Outlet	Ø 150 mm
Heater Type	PTC
Heater Drive	SCR
Maximum Power	13 kW

Rated Power	11,8 kW
Operation Current	31A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	380 V - 50 Hz
Weight	125 kg
Dimensions (AxBxC) mm	1178x713x752



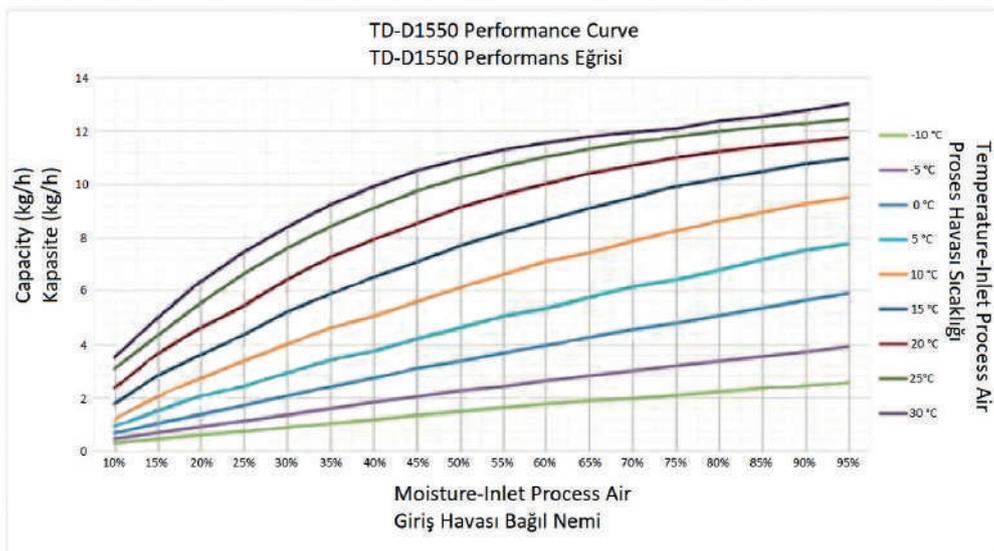
TD-D1550 Desiccant Wheel Type Dehumidifier



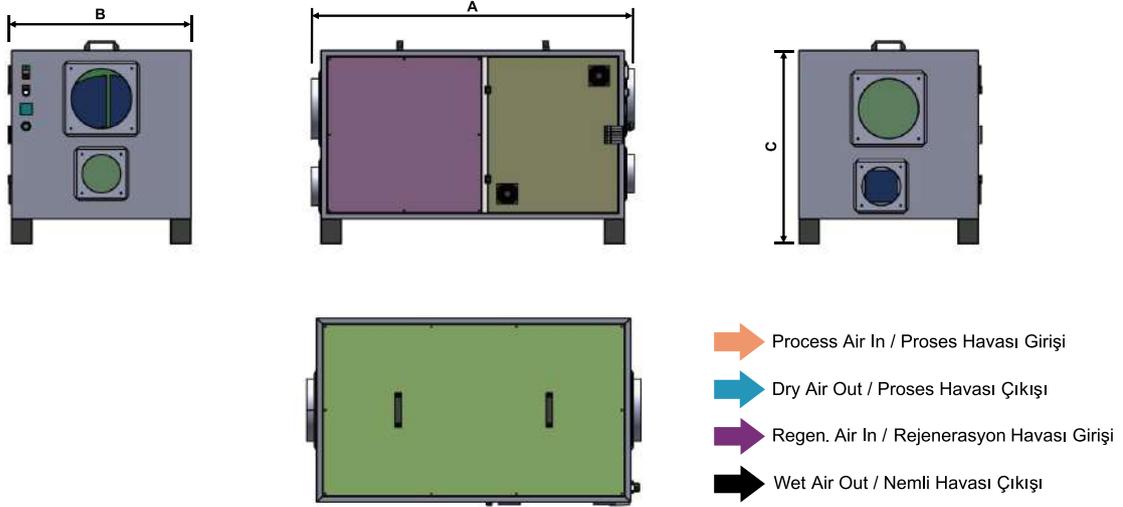
-  Process Air In / Proses Havası Girişi
-  Dry Air Out / Proses Havası Çıkışı
-  Regen. Air In / Rejenerasyon Havası Girişi
-  Wet Air Out / Nemli Havası Çıkışı

Capacity (20°C, 60% RH)	10 kg/h
Process Air Flow	1550 m ³ /h - 200 Pa
Reactivation Air Flow	550 m ³ /h - 300 Pa
Process Air Inlet & Outlet	Ø 250 mm
Regeneration Air Inlet & Outlet	Ø 160 mm
Heater Type	PTC
Heater Drive	SCR
Maximum Power	15 kW

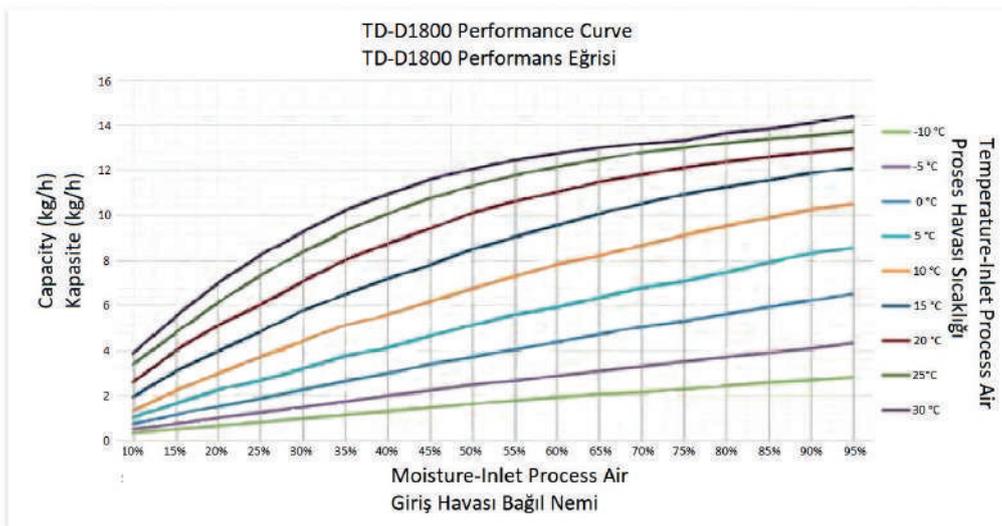
Rated Power	13 kW
Operation Current	34,2 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	380 V - 50 Hz
Weight	175 kg
Dimensions (AxBxC) mm	1328x755x840



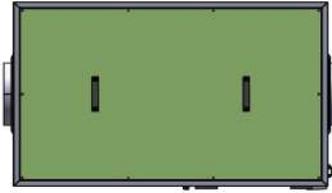
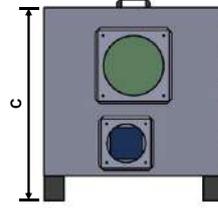
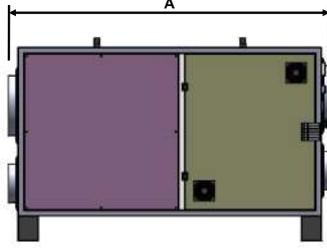
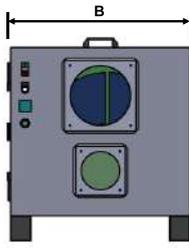
TD-D1800 Desiccant Wheel Type Dehumidifier



Capacity (20°C, 60% RH)	11 kg/h	Rated Power	15 kW
Process Air Flow	1800 m ³ /h – 200 Pa	Operation Current	39,4 A
Reactivation Air Flow	650 m ³ /h – 300 Pa	Process Air In Filter	G4
Process Air Inlet & Outlet	Ø 250 mm	Regeneration Air In Filter	G4
Regeneration Air Inlet & Outlet	Ø 160 mm	Controller Type	LCD + Button
Heater Type	PTC	Power Supply	380 V – 50 Hz
Heater Drive	SCR	Weight	186 kg
Maximum Power	17 kW	Dimensions (AxBxC) mm	1328x755x840



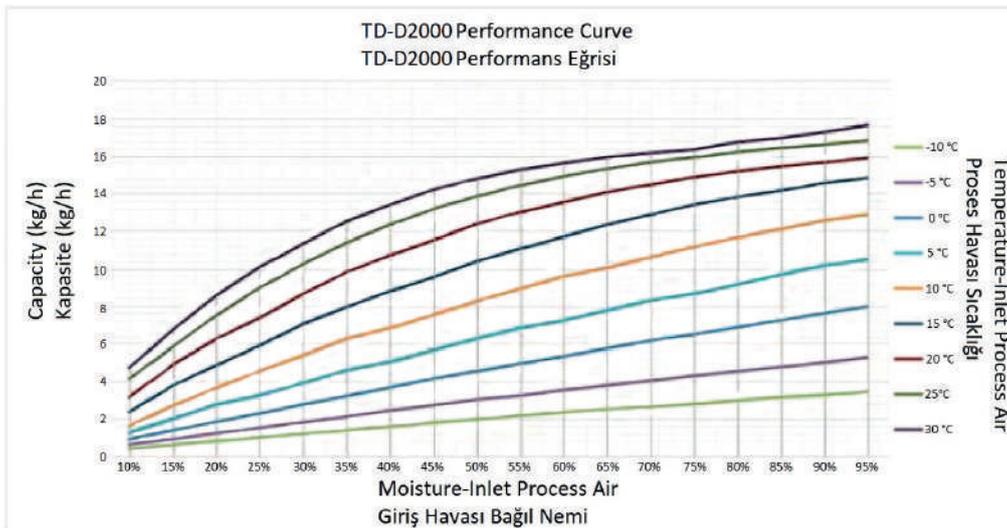
TD-D2000 Desiccant Wheel Type Dehumidifier



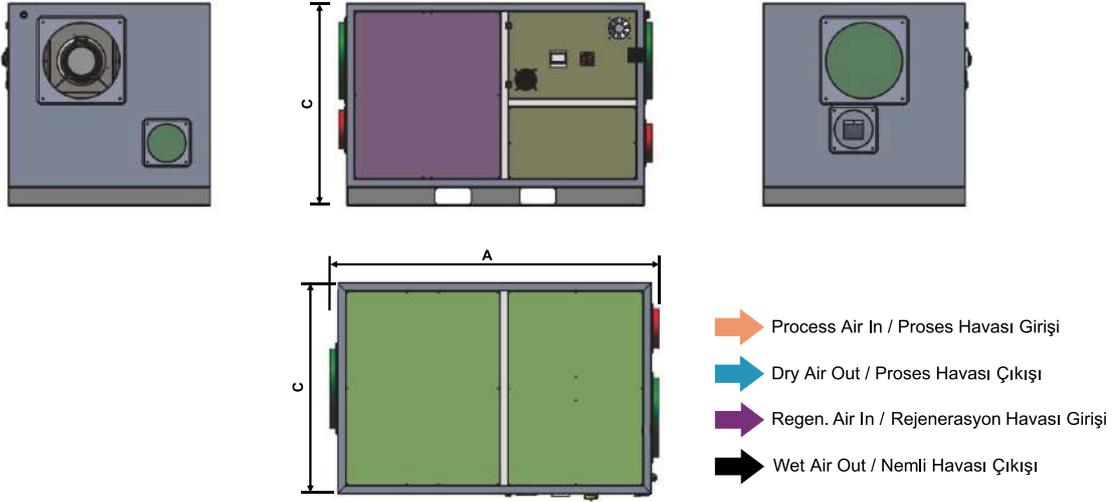
-  Process Air In / Proses Havası Girişi
-  Dry Air Out / Proses Havası Çıkışı
-  Regen. Air In / Rejenerasyon Havası Girişi
-  Wet Air Out / Nemli Havası Çıkışı

Capacity (20°C, 60% RH)	13,5 kg/h
Process Air Flow	2000 m ³ /h – 300 Pa
Reactivation Air Flow	680 m ³ /h – 200 Pa
Process Air Inlet & Outlet	Ø 250 mm
Regeneration Air Inlet & Outlet	Ø 200 mm
Heater Type	PTC
Heater Drive	SCR
Maximum Power	22 kW

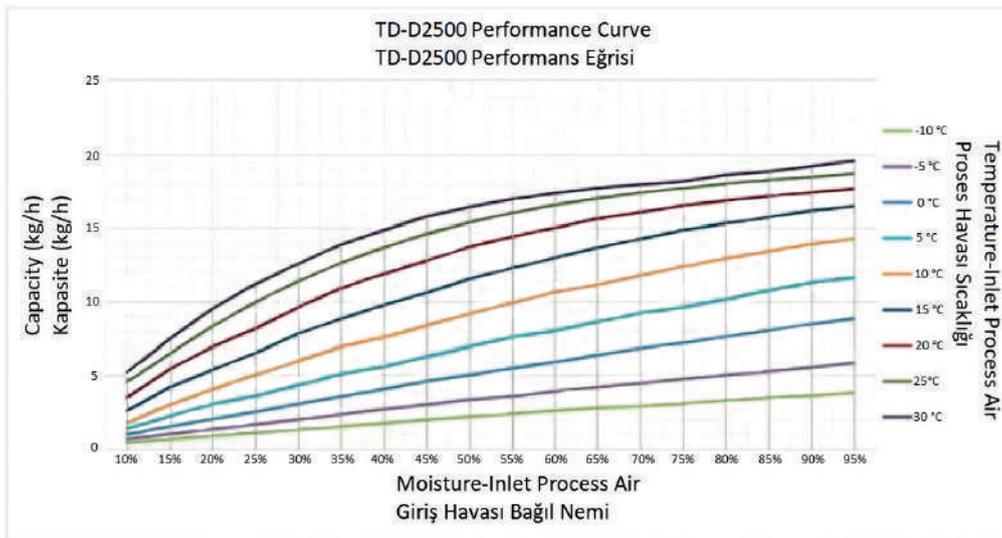
Rated Power	20 kW
Operation Current	52,6 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	380 V – 50 Hz
Weight	220 kg
Dimensions (AxBxC) mm	1328x755x840



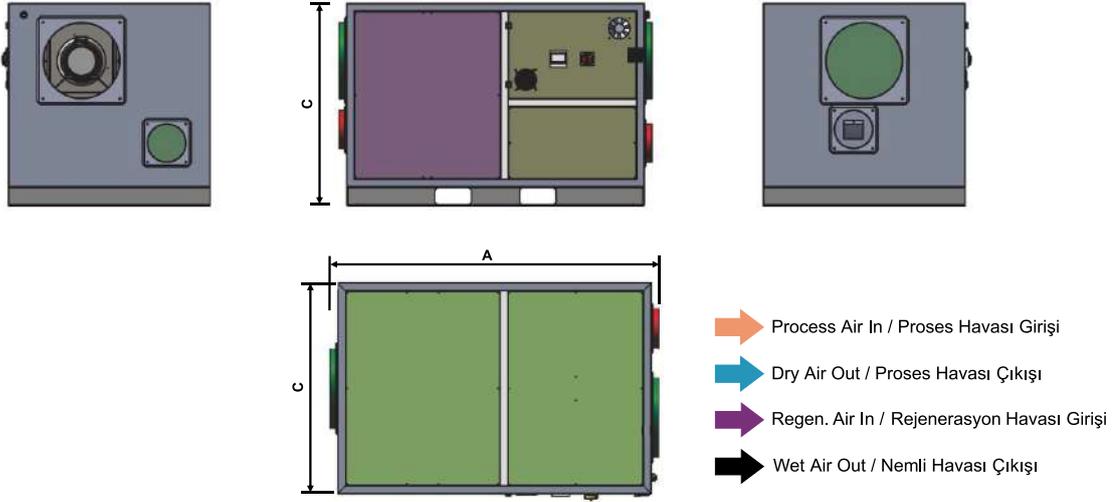
TD-D2500 Desiccant Wheel Type Dehumidifier



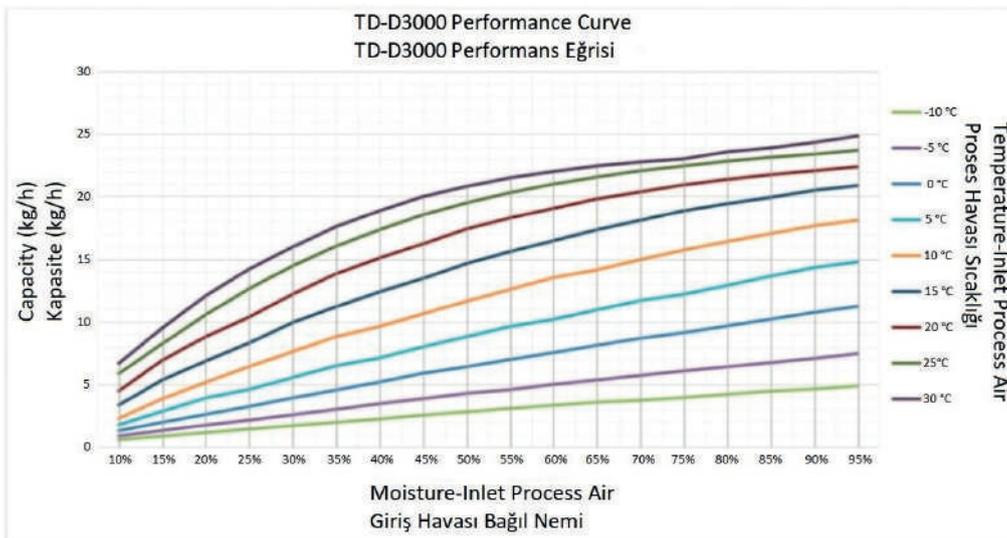
Capacity (20°C, 60% RH)	15 kg/h	Rated Power	22 kW
Process Air Flow	2500 m ³ /h – 300 Pa	Operation Current	57,9 A
Reactivation Air Flow	900 m ³ /h – 200 Pa	Process Air In Filter	G4
Process Air Inlet & Outlet	Ø 300 mm	Regeneration Air In Filter	G4
Regeneration Air Inlet & Outlet	Ø 200 mm	Controller Type	LCD + Button
Heater Type	PTC	Power Supply	380 V – 50 Hz
Heater Drive	SCR	Weight	280 kg
Maximum Power	24 kW	Dimensions (AxBxC) mm	1250x900x1300



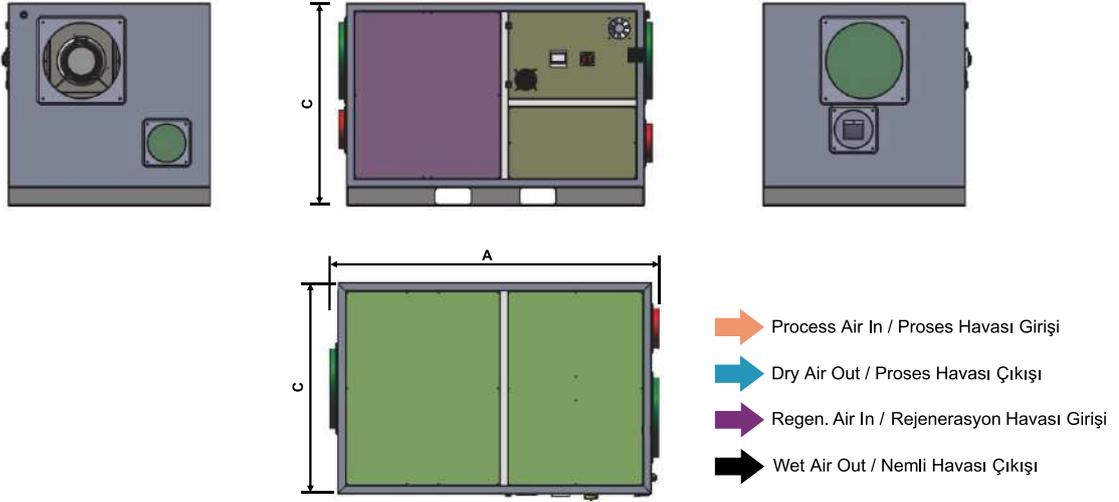
TD-D3000 Desiccant Wheel Type Dehumidifier



Capacity (20°C, 60% RH)	19 kg/h	Rated Power	28 kW
Process Air Flow	3000 m ³ /h – 400 Pa	Operation Current	73 A
Reactivation Air Flow	1100 m ³ /h – 250 Pa	Process Air In Filter	G4
Process Air Inlet & Outlet	Ø 300 mm	Regeneration Air In Filter	G4
Regeneration Air Inlet & Outlet	Ø 200 mm	Controller Type	LCD + Button
Heater Type	PTC	Power Supply	380 V – 50 Hz
Heater Drive	SCR	Weight	300 kg
Maximum Power	30 kW	Dimensions (AxBxC) mm	1250x900x1300

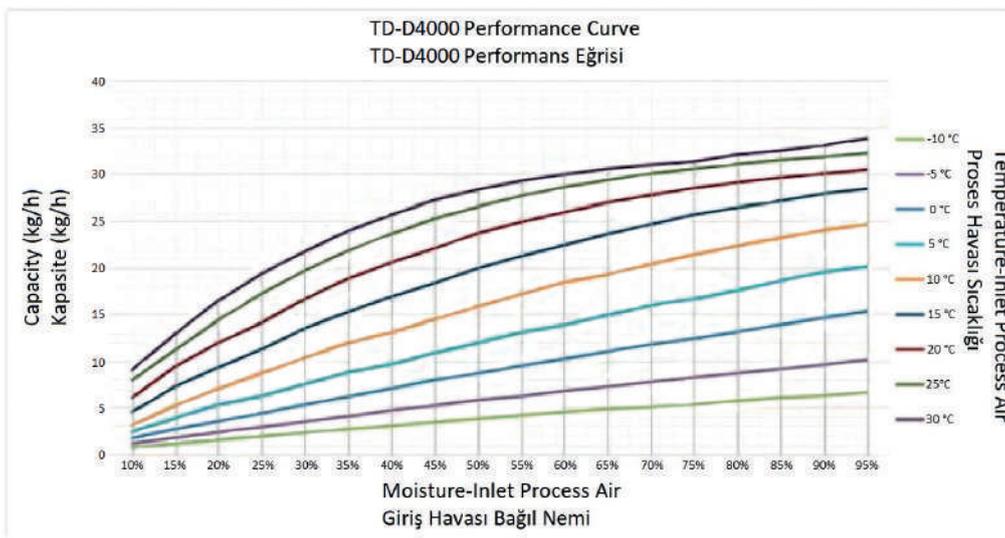


TD-D4000 Desiccant Wheel Type Dehumidifier

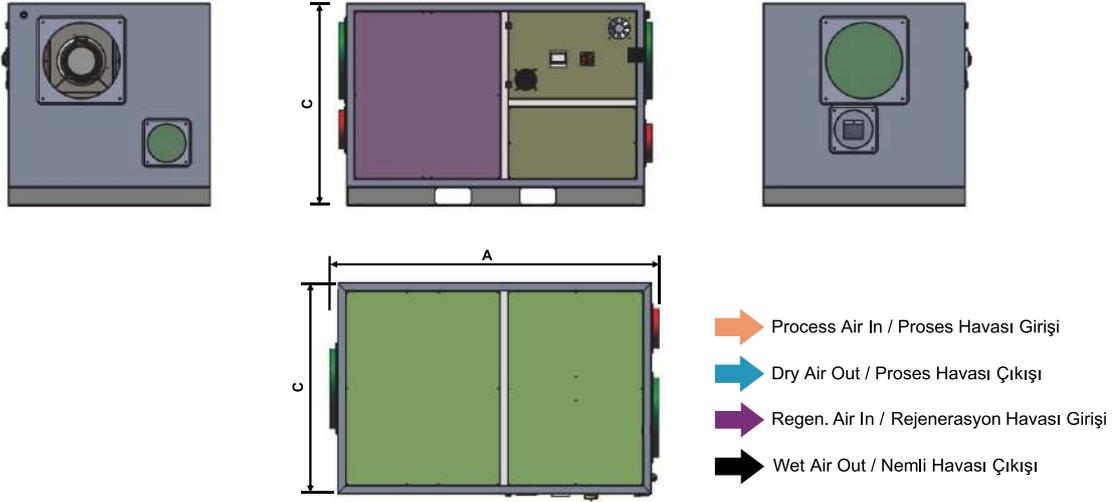


Capacity (20°C, 60% RH)	26 kg/h
Process Air Flow	4000 m ³ /h - 400 Pa
Reactivation Air Flow	1500 m ³ /h - 250 Pa
Process Air Inlet & Outlet	Ø 500 mm
Regeneration Air Inlet & Outlet	Ø 250 mm
Heater Type	PTC
Heater Drive	SCR
Maximum Power	40 kW

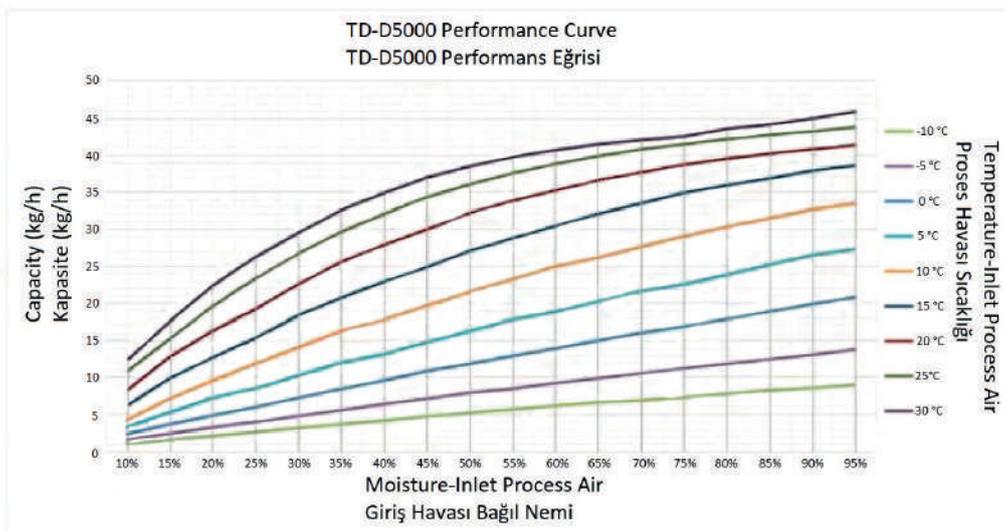
Rated Power	38 kW
Operation Current	100 A
Process Air In Filter	G4
Regeneration Air In Filter	G4
Controller Type	LCD + Button
Power Supply	380 V - 50 Hz
Weight	450 kg
Dimensions (AxBxC) mm	1800x1300x1700



TD-D5000 Desiccant Wheel Type Dehumidifier



Capacity (20°C, 60% RH)	35 kg/h	Rated Power	50 kW
Process Air Flow	5000 m ³ /h – 400 Pa	Operation Current	131 A
Reactivation Air Flow	1850 m ³ /h – 250 Pa	Process Air In Filter	G4
Process Air Inlet & Outlet	Ø 500 mm	Regeneration Air In Filter	G4
Regeneration Air Inlet & Outlet	Ø 250 mm	Controller Type	LCD + Button
Heater Type	PTC	Power Supply	380 V – 50 Hz
Heater Drive	SCR	Weight	520 kg
Maximum Power	52 kW	Dimensions (AxBxC) mm	1800x1300x1700



Installation



Indoor Device Installation

Indoors:

Regeneration air inlet and outlet are guided to the outside.

Factory:

Via inlet and outlet channels, process air is linked to the environment to be dehumidified. Via inlet and outlet channels, regeneration air is linked to the outside environment.

Outdoors:

By ducts, the process air inlet and outlet are connected to the environment to be dehumidified. For regeneration air inlet and outlet, there is no need for ducts.



Outdoor Device Installation

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