Ultra Low Humidity (1% RH or less)

Ultra-fast dehumidification : HYP

High speed dehumidification : DUS
(1332/1432)

Optimal storage example with humidity of 5% RH or less
● Rust prevention ● Storage of precision parts related to automobiles
● Storage of lithium-ion battery related parts

The ultra-high-speed dehumidifying HYP / DUS has improved performance with humidity setting and automatic energy saving functions.

Adopts new digital controller and high precision humidity sensor (Made by Sensirion)

The new digital controller accurately controls the humidity inside the cabinet. Accurate display of outside air humidity.

High precision humidity sensor

It accurately displays humidity of 5% RH or less, which was difficult to display accurately due to the adoption of a high-precision humidity sensor. Humidity is displayed in 0.1% RH units.

Humidity display range	Humidity setting range
0.0 ~ 99.9%RH(±2 ~ 2.5%RH)	0.0 ~ 99.9%RH

High-speed dehumidification performance

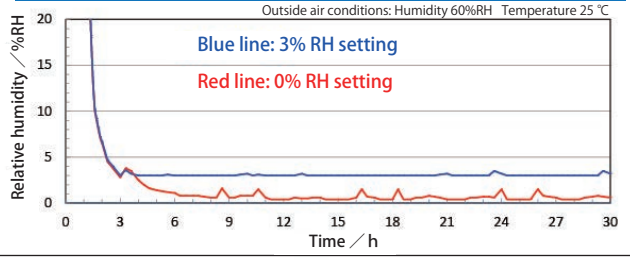
HYP is an ultra-fast dehumidifying type that is four times faster than conventional QA.
DUS is a high-speed dehumidification type that is twice as fast as conventional QA.

Constant humidity operation

Easy constant humidity operation with humidity setting (±3%RH)

TDC-1332-HYP Humidity measurement example in the cabinet
Humidity setting test

Outside air conditions: Humidity 60%RH Temperature 25 ℃



Automatic energy saving

Automatically save energy
No troublesome settings
Industry's No. 1 energy saving efficiency

Outside air conditions: Humidity 60%RH Temperature 25 ℃

Humidity setting value (%RH)	0	2	3	5
Average power consumption For TDC-510-HYP	26W	16W	13W	12W

Energy-saving operation is performed by automatically reducing the frequency of desiccant regeneration, which consumes a large amount of electricity.
Even if the frequency of desiccant regeneration is reduced, the high-speed dehumidification capacity at humidity higher than the set humidity does not change.
The average power consumption also changes depending on the environmental temperature and humidity and the frequency of opening and closing the door.

- Dehumidification cannot be performed during the time when the dehumidifier is regenerating the desiccant.
- If there are two dehumidifiers, one of the dehumidifiers will always dehumidify even during desiccant regeneration.
- When the humidity inside the cabinet is lower than the set humidity, it will not be dehumidified. In addition, there is a difference in dehumidification speed depending on the model.
- If the environmental humidity is too high or the temperature fluctuates greatly due to an air conditioner, etc., the dehumidifying capacity may differ. Please contact us for details.

	High-speed dehumidification performance	Humidity setting	Automatic energy saving
HYP	◎	○	○
DUS	○	○	○
Old HYP	◎	×	×
Old QA	△	×	×

TDC-512-HYP
(Depth inside 650mm / Depth outside 756mm)

TDC-302-HYP
(Depth inside 390mm)

TDC-162-HYP
(Depth inside 390mm)

SPECCIFICATION

※Specifications are subject to change without notice. ● Dimensions: Displayed in the order of W (width) x D (depth) x H (height)

	TDC-512-HYP	TDC-302-HYP	TDC-162-HYP
Dehumidifying device	1 large dehumidifier		
External dimensions (mm)	880×756×988	880×499×988	440×499×988
Internal dimensions (mm)	878×650×855	878×390×855	438×390×855
Internal capacity	485L	291L	145L
Cabinet material	Steel, Powder coating, Gray, Antistatic coating		
Door	Steel, Glass, Magnet packing, Lock, Handle		
Power supply power consumption	AC100V (50/60Hz) / AC200~240V		
	Average 12~26W (MAX350W)	Average10~17W (MAX180W)	Average10~17W (MAX180W)
Weight (kg)	68	52	26
Accessories	3 shelves, 2 keys		