

DDEI-Series

Desiccant Dehumidifiers

Small Size Range | Moisture Removal | 36 - 72 ppd

Product Data



SPECIFICATIONS

SPECIFICATIONS	10502SS-US
Height	13.3" (340 mm)
Width	13" (330 mm)
Depth	15" (380 mm)
Weight	37.5 lbs (17 kg)
Voltage	110 V
Current	7.5 A
Phase	1
Frequency	60 Hz
Power	0.8 kW
Process Airflow – Dry Air	115 cfm (196 m3/hr)
Regen Airflow – Wet Air	38 cfm (64 m3/hr)
Process Duct Size – Dry Air	5" (130 mm)
Regen Duct Size – Wet Air	2.75" (70 mm)
Rotor Wheel Speed (rpm)	20
Noise Level	67 dba
Typical Extraction @ 27°C 60%	36 ppd (17 lt/day)
Min Operating Temperature	-4 °F (-20°C)
Max Operating Temperature	104 °F (40°C)

FEATURES	10502SS-US
On/Off Control	✓
Ammeter	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Rubber Anti-Vibration Feet	✓
Single, Air Inlet Design	✓
Free Standing	✓
Humidistat	0
Carrying Handles	✓
Stainless Steel Construction	✓
Inlet Duct Attachments	0
High Temperature Safety Cut-outs	✓

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable.

Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air, is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- Stainless Steel Construction
- Auto / Manual Mode Selection
- Electronic Controls
- High Capacity PTC Heater
- Remote Humidistat Facility
- Low Temperature Operation
- Ammeter



DD200 DESICCANT DEHUMIDIFIER

**PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS**

WHY THE NEED FOR A DEHUMIDIFIER?

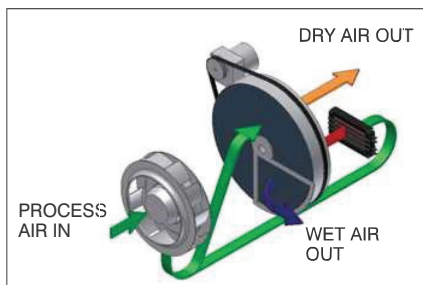
Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air, is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.



The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

EIPL is Europe's leading manufacturer of dehumidifiers and is a name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

RUGGED CONSTRUCTION & YEARS OF SERVICE

Over thirty seven years of development experience means you can rely on the proven track record of the EIP range of dehumidifiers. Every dehumidifier is designed for efficiency and ruggedness, and built to last. The popularity of EIP Ltd's dehumidifiers with the plant hire trade speaks for their reliability, portability and outstanding durability

DD200

The DD200 is the smallest desiccant dehumidifier within the EIPL range. Its compact, rugged, lightweight design facilitates easy transportation by one person and is easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running.

In addition to the hours run meter, which shows the units running time, an ammeter is also incorporated in order to monitor the units drying effectiveness. Manual / Automatic control is a standard feature within the DD range of desiccant dehumidifiers, and a remote humidistat can quickly and easily be connected for automatic operation and control

The EIP range of DD desiccant dehumidifiers are all manufactured from a high grade stainless steel, ensuring a rust free product when used in the most severe of applications. The spigot connectors allow quick and easy installation.

All models incorporate a high efficiency patented PPS Rotor. This design incorporates a 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

SPECIFICATIONS INCLUDES:

SPECIFICATIONS	DD200
MODEL NO.	10502SS-GB
Height (mm)	340
Width (mm)	330
Depth (mm)	380
Weight (kg)	17
Voltage (V)	230
Current (A)	3
Phase	1
Frequency (Hz)	50
Power (kW)	0.8
Process Airflow – Dry Air (m3/hr)	180
Regen Airflow – Wet Air (m3/hr)	50
Process Duct Size – Dry Air (mm)	130
Regen Duct Size – Wet Air (mm)	70
Rotor Wheel Speed (rph)	20
Typical Extraction @ 28°C 60% - lt/day	22
Min. Operating Temperature (°C)	-20
Max. Operating Temperature (°C)	40

FEATURES INCLUDE:

SPECIFICATIONS	DD200
MODEL NO.	10502SS-GB
On/Off Control	✓
Ammeter	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Rubber Anti-Vibration Feet	✓
Single, Air Inlet Design	✓
Free Standing	✓
Humidistat	O
Carrying Handles	✓
Stainless Steel Construction	✓
Inlet Duct Attachments	O
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS			
Offices	✓	Laboratories	✓
Shops	✓	Medical	✓
Restaurants	✓	Food Industry	✓
Warehouses	✓	Agriculture	✓
Basements	✓	Cold Stores	✓
Factories	✓	Hospitals	✓
De-Flooding	✓	Hotels	✓
Pharmaceutical	✓	Stadiums	✓
Defence Industry	✓	Ships	✓
Confectionary	✓		

SPECIFICATIONS

SPECIFICATIONS	10501SS-US
Height	14.5" (370 mm)
Width	14.2" (360 mm)
Depth	17" (430 mm)
Weight	44 lbs (20 kg)
Voltage	110 V
Current	12.4 A
Phase	1
Frequency	60 Hz
Power	1.4 kW
Process Airflow – Dry Air	136 cfm (231 m3/hr)
Regen Airflow – Wet Air	42 cfm (71 m3/hr)
Process Duct Size – Dry Air	5" (130 mm)
Regen Duct Size – Wet Air	2.75" (70 mm)
Rotor Wheel Speed (rph)	20
Noise Level	67 dba
Typical Extraction @ 27°C 60%	69 ppd (32.6 lt/day)
Min Operating Temperature	-4 °F (-20°C)
Max Operating Temperature	104 °F (40°C)

FEATURES	10501SS-US
On/Off Control	✓
Ammeter	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Rubber Anti-Vibration Feet	✓
Single, Air Inlet Design	✓
Free Standing	✓
Humidistat	○
Carrying Handles	✓
Stainless Steel Construction	✓
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable.

Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- Stainless Steel Construction
- Auto / Manual Mode Selection
- Electronic Controls
- High Capacity PTC Heater
- Remote Humidistat Facility
- Low Temperature Operation
- Ammeter



DD300 DESICCANT DEHUMIDIFIER

**PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS**

WHY THE NEED FOR A DEHUMIDIFIER?

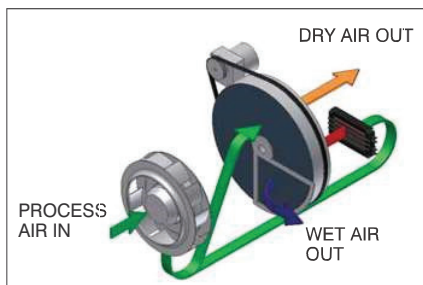
Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air, is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.



The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

EIPL is Europe's leading manufacturer of dehumidifiers and is a name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

RUGGED CONSTRUCTION & YEARS OF SERVICE

Over thirty seven years of development experience means you can rely on the proven track record of the EIP range of dehumidifiers. Every dehumidifier is designed for efficiency and ruggedness, and built to last. The popularity of EIP Ltd's dehumidifiers with the plant hire trade speaks for their reliability, portability and outstanding durability

DD300

The DD300 desiccant dehumidifier has a compact, rugged, lightweight design which facilitates easy transportation by one person, and is easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running.

In addition to the hours run meter, which shows the units running time, an ammeter is also incorporated in order to monitor the units drying effectiveness. Manual / Automatic control is a standard feature within the DD range of desiccant dehumidifiers, and a remote humidistat can quickly and easily be connected for automatic operation and control

The EIP range of DD desiccant dehumidifiers are all manufactured from a high grade stainless steel, ensuring a rust free product when used in the most severe of applications. The spigot connectors allow quick and easy installation.

All models incorporate a high efficiency patented PPS Rotor. This design incorporates a 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

SPECIFICATIONS INCLUDES:

SPECIFICATIONS	DD300
MODEL NO.	10501SS-GB
Height (mm)	370
Width (mm)	360
Depth (mm)	430
Weight (kg)	20
Voltage (V)	230
Current (A)	6
Phase	1
Frequency (Hz)	50
Power (kW)	1.5
Process Airflow – Dry Air (m3/hr)	290
Regen Airflow – Wet Air (m3/hr)	75
Process Duct Size – Dry Air (mm)	130
Regen Duct Size – Wet Air (mm)	70
Rotor Wheel Speed (rph)	20
Typical Extraction @ 28°C 60% - lt/day	29
Min. Operating Temperature (°C)	-20
Max. Operating Temperature (°C)	40

FEATURES INCLUDE:

SPECIFICATIONS	DD300
MODEL NO.	10501SS-GB
On/Off Control	✓
Ammeter	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Rubber Anti-Vibration Feet	✓
Single, Air Inlet Design	✓
Free Standing	✓
Humidistat	O
Carrying Handles	✓
Stainless Steel Construction	✓
Inlet Duct Attachments	O
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS			
Offices	✓	Laboratories	✓
Shops	✓	Medical	✓
Restaurants	✓	Food Industry	✓
Warehouses	✓	Agriculture	✓
Basements	✓	Cold Stores	✓
Factories	✓	Hospitals	✓
De-Flooding	✓	Hotels	✓
Pharmaceutical	✓	Stadiums	✓
Defence Industry	✓	Ships	✓
Confectionary	✓		

DD400 DESICCANT DEHUMIDIFIER

SPECIFICATIONS

SPECIFICATIONS	10500SS-US
Height	16.5" (420 mm)
Width	15.75" (400 mm)
Depth	21.25" (540mm)
Weight	59.5lbs (27kg)
Voltage	220 V
Current	8 A
Phase	1
Frequency	60 Hz
Power	1.8 kW
Process Airflow – Dry Air	197 cfm (334 m3/hr)
Regen Airflow – Wet Air	119 cfm (202 m3/hr)
Process Duct Size – Dry Air	5" (130 mm)
Regen Duct Size – Wet Air	4" (100 mm)
Rotor Wheel Speed (rph)	20
Noise Level	67 dba
Typical Extraction @ 27°C 60%	71.5 ppd (33.8 lt/day)
Min Operating Temperature	-4 °F (-20°C)
Max Operating Temperature	104 °F (40°C)

FEATURES	10500SS-US
On/Off Control	✓
Ammeter	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Rubber Anti-Vibration Feet	✓
Dual Air Inlet Design	✓
Free Standing	✓
Humidistat	○
Carrying Handles	✓
Stainless Steel Construction	✓
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable.

Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- Stainless Steel Construction
- Auto / Manual Mode Selection
- Electronic Controls
- High Capacity PTC Heater
- Remote Humidistat Facility
- Low Temperature Operation
- Ammeter



**PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS**

WHY THE NEED FOR A DEHUMIDIFIER?

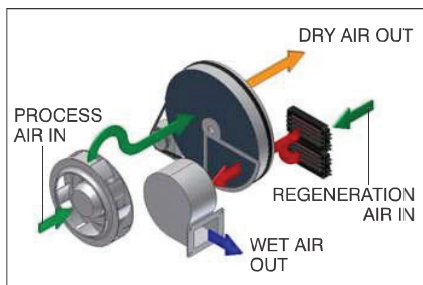
Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air, is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.



The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

EIPL is Europe's leading manufacturer of dehumidifiers and is a name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

RUGGED CONSTRUCTION & YEARS OF SERVICE

Over thirty seven years of development experience means you can rely on the proven track record of the EIP range of dehumidifiers. Every dehumidifier is designed for efficiency and ruggedness, and built to last. The popularity of EIP Ltd's dehumidifiers with the plant hire trade speaks for their reliability, portability and outstanding durability.

DD400

The DD400 desiccant dehumidifier has a compact, rugged, lightweight design which facilitates easy transportation by one person, and is easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running.

The dual air inlet feature of the DD400, is ideal for installations where the regeneration supply air, needs to be kept separate from the process supply air.

In addition to the hours run meter, which shows the units running time, an ammeter is also incorporated in order to monitor the units drying effectiveness. Manual / Automatic control is a standard feature within the DD range of desiccant dehumidifiers, and a remote humidistat can quickly and easily be connected for automatic operation and control.

The EIP range of DD desiccant dehumidifiers are all manufactured from a high grade stainless steel, ensuring a rust free product when used in the most severe of applications. The spigot connectors allow quick and easy installation.

All models incorporate a high efficiency patented PPS Rotor. This design incorporates a 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

SPECIFICATIONS INCLUDES:

SPECIFICATIONS	DD400
MODEL NO.	10500SS-GB
Height (mm)	420
Width (mm)	400
Depth (mm)	540
Weight (kg)	27
Voltage (V)	230
Current (A)	8
Phase	1
Frequency (Hz)	50
Power (kW)	2.2
Process Airflow – Dry Air (m3/hr)	370
Regen Airflow – Wet Air (m3/hr)	150
Process Duct Size – Dry Air (mm)	130
Regen Duct Size – Wet Air (mm)	100
Rotor Wheel Speed (rph)	20
Typical Extraction @ 28°C	
60% - lt/day	34
Min. Operating Temperature (°C)	-20
Max. Operating Temperature (°C)	40

FEATURES INCLUDE:

SPECIFICATIONS	DD400
MODEL NO.	10500SS-GB
On/Off Control	✓
Ammeter	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Rubber Anti-Vibration Feet	✓
Dual, Air Inlet Design	✓
Free Standing	✓
Humidistat	○
Carrying Handles	✓
Stainless Steel Construction	✓
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS			
Offices	✓	Laboratories	✓
Shops	✓	Medical	✓
Restaurants	✓	Food Industry	✓
Warehouses	✓	Agriculture	✓
Basements	✓	Cold Stores	✓
Factories	✓	Hospitals	✓
De-Flooding	✓	Hotels	✓
Pharmaceutical	✓	Stadiums	✓
Defence Industry	✓	Ships	✓
Confectionary	✓		

SPECIFICATIONS

SPECIFICATIONS	10640RG-US
Height	31" (787mm)
Width	21.75" (552 mm)
Depth	19" (487mm)
Weight	68lbs (31kg)
Voltage	220 V
Current	8 A
Phase	1
Frequency	60 Hz
Power	1.8 kW
Process Airflow – Dry Air	197 cfm (334 m3/hr)
Regen Airflow – Wet Air	119 cfm (202 m3/hr)
Process Duct Size – Dry Air	5" (130 mm)
Regen Duct Size – Wet Air	4" (100 mm)
Rotor Wheel Speed (rph)	20
Noise Level	67 dba
Typical Extraction @ 27°C 60%	71.5 ppd (33.8 lt/day)
Min Operating Temperature	-4 °F (-20°C)
Max Operating Temperature	104 °F (40°C)

FEATURES	10640RG-US
On/Off Control	✓
Integral Electronic Humidistat	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Shock Absorbing Wheels / Tyers	✓
Dual, Air Inlet Design	✓
Free Standing	✓
Handle	✓
Epoxy Coated Steel	✓
Inlet Duct Attachments	0
High Temperature Safety Cut-outs	✓

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable.

Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- Portable
- Electronic Humidity Control
- Integral Humidity Sensor
- High Capacity PTC Heater
- Low Temperature Operation



**WATER DAMAGE, COLD STORES, POWER STATIONS,
PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,**

WHY THE NEED FOR A DEHUMIDIFIER?

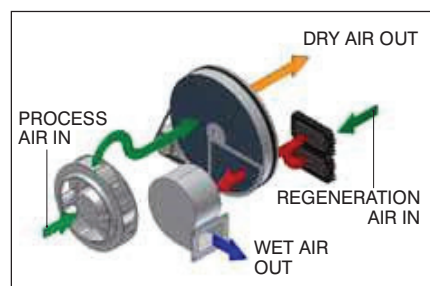
Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.



The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

EIPL is Europe's leading manufacturer of dehumidifiers and is a name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

RUGGED CONSTRUCTION & YEARS OF SERVICE

Over thirty seven years of development experience means you can rely on the proven track record of the EIP range of dehumidifiers. Every dehumidifier is designed for efficiency and ruggedness, and built to last. The popularity of EIP Ltd's dehumidifiers with the plant hire trade speaks for their reliability, portability and outstanding durability.

DD400P

The DD400P portable desiccant dehumidifier has a compact, rugged, lightweight design which facilitates easy transportation by one person, and is easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running.

The dual air inlet feature of the DD400P, is ideal for installations where the regeneration supply air, needs to be kept separate from the process supply air. An Integral electronic humidistat is fitted as standard, allowing the humidity level to be set and monitored.

The EIP range of DD desiccant dehumidifiers are all manufactured from a high grade stainless steel, ensuring a rust free product when used in the most severe of applications. The spigot connectors allow quick and easy installation.

All models incorporate a high efficiency patented PPS Rotor. This design incorporates a 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

SPECIFICATIONS INCLUDES:

SPECIFICATIONS	DD400P
MODEL NO.	10640RG-GB
Height (mm)	787
Width (mm)	552
Depth (mm)	487
Weight (kg)	31
Voltage (V)	230
Current (A)	8
Phase	1
Frequency (Hz)	50
Power (kW)	2.2
Process Airflow – Dry Air (m3/hr)	334
Regen Airflow – Wet Air (m3/hr)	202
Process Duct Size – Dry Air (mm)	130
Regen Duct Size – Wet Air (mm)	100
Rotor Wheel Speed (rph)	20
Typical Extraction @ 27°C 60% - lt/day	34
Min. Operating Temperature (°C)	-20
Max. Operating Temperature (°C)	40

FEATURES INCLUDE:

SPECIFICATIONS	DD400P
MODEL NO.	10640RG-GB
On/Off Control	✓
Integral Electronic Humidistat	✓
Hours Run Meter	✓
Fitted Mains Plug	✓
Fan Speeds	1
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Rubber Anti-Vibration Wheels	✓
Dual, Air Inlet Design	✓
Free Standing / Portable	✓
Epoxy Powder Coated	✓
Inlet Duct Attachments	0
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS			
Offices	✓	Laboratories	✓
Shops	✓	Medical	✓
Restaurants	✓	Food Industry	✓
Warehouses	✓	Agriculture	✓
Basements	✓	Cold Stores	✓
Factories	✓	Hospitals	✓
De-Flooding	✓	Hotels	✓
Pharmaceutical	✓	Stadiums	✓
Defence Industry	✓	Ships	✓
Confectionary	✓		

DDEI-Series

Desiccant Dehumidifiers

Medium Size Range | Moisture Removal | 231 - 562 ppd

Product Data



SPECIFICATIONS

SPECIFICATIONS	10550GR-US	10551GR-US	FEATURES	DD700
Height (inch)	40	40	On/Off Control	✓
Width (inch)	28	28	Adjustable Thermostat	✓
Depth (inch)	23	23	Electronic Controls	✓
Weight (lbs)	170	170	Manual / Automatic Mode Selection	✓
Voltage (V)	220	460	Remote Humidity Sensor Facility	✓
Current (A)	20	10	Hours Run Meter	✓
Phase	3	3	EC High Efficiency Fans	✓
Frequency (Hz)	60	60	Variable Fan Speeds	✓
Power (kW)	7.5	7.5	High Capacity PTC Heaters	✓
Process Airflow Maximum – Dry Air (cfm)	883	883	Process / Regen Air Filter	✓
Process Airflow Nominal – Dry Air (cfm)	410	410	Rubber Anti-Vibration Feet	✓
Regen Airflow Nominal – Wet Air (cfm)	95	95	Dual Air Inlet Design	✓
Process Air Outlet Dia (inch)	8	8	Free Standing	✓
Regen Air Outlet Dia (inch)	6	6	Status Indicators	✓
Rotor Wheel Speed (rph)	13.6	13.6	Self Contained	✓
Rotor Size dia X depth (inch)	13.8 X 3.9	13.8 X 3.9	Stainless Steel Construction	○
High Extraction Setting @ 27°C 60% (ppd)	231	231	Inlet Duct Attachments	○
High Efficiency Setting @ 27°C 60% (ppd)	184	184	High Temperature Safety Cut-outs	✓
Deep Drying Settings @ 27°C 60% (ppd)	205	205		
Typical Dry Air Off – High Extraction Setting (%)	18	18		
Typical Dry Air Off – High Efficiency Setting (%)	18	18		
Typical Dry Air Off – Deep Drying Settings (%)	8	8		
Min Operating Temperature (°F)	-4	-4		
Max Operating Temperature (°F)	104	104		

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- EC High Efficiency Forward Curve Fans
- Infinitely Variable Fan Speed

DD700 DESICCANT DEHUMIDIFIER

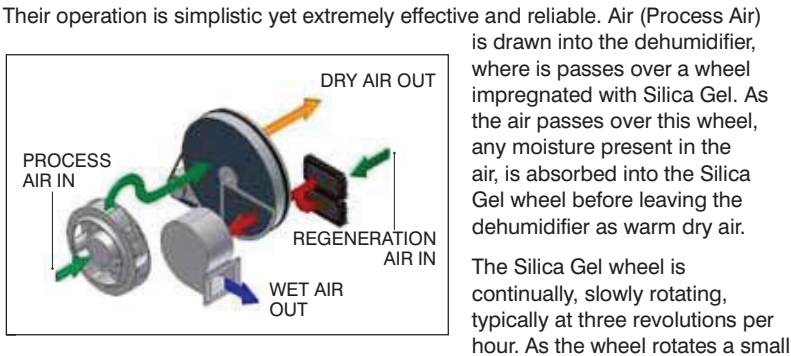
PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS

WHY THE NEED FOR A DEHUMIDIFIER?

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.



portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

With over thirty seven years of experience, EIPL is Europe’s leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL’s efficiency copes comfortably even at the coldest temperatures.

DD700

The DD700 desiccant dehumidifier is an upright, compact design, which makes it easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running. The DD700 incorporates two EC fans with variable speed allowing the unit to be easily installed and commissioned in a wide range of applications.

An electronic thermostat allows and fully variable EC fans, allows the user to select the desired drying preference , ie High Efficiency, Deep Drying, or High Extraction. The following table provides an example of capacities

27°C 60% - EXAMPLE SETTINGS			
	High Extraction	High Efficiency	Deep Drying
Process Airflow (m3/hr)	530	412	294
Regen Airflow (m3/hr)	118	94	118
Regen Temperature Rise (K)	110	90	110
Extraction (l/d)	231	184	205
Dry Air Off (%)	18	18	8

Facility for an external humidistat allows the humidity level to be maintained at a preset condition. The EIPL range of desiccant dehumidifiers incorporate a rotors with a 82% active Silica Gel, thereby ensuring optimum performance over the equipments wide operating range.

SPECIFICATION:

SPECIFICATIONS	DD700
MODEL NO.	10550GR-GB
Height (mm)	1020
Width (mm)	718
Depth (mm)	580
Weight (kg)	80
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Current (A)	10
Power (kW)	6.8
Process Airflow - Dry Air (m3/hr)	691
Regen Airflow - Wet Air (m3/hr)	161
Process Duct Size - Dry Air (mm)	203
Regen Duct Size - Wet Air (mm)	152
Rotor Wheel Speed (rpm)	13.6
Typical Extraction @ 27°C 60% (l/day)	87
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	DD700
MODEL NO.	10550GR-GB
On/Off Control	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidistat Sensor Facility	✓
Hours Run Meter	✓
Mains Isolator	✓
Variable Fan Speeds (Speed Controlled)	✓
High Capacity PTC Heater	✓
Process / Regen Air Fliter	✓
Dual Inlet Design	✓
Free Standing	✓
Humidistat	○
Stainless Steel Construction	○
Inlet Duct Attachements	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS	
Warehouses	✓
Factories	✓
Pharmaceutical	✓
Defence Industry	✓
Confectionary	✓
Laboratories	✓
Medical	✓
Stadiums	✓
Ships	✓

SPECIFICATIONS

SPECIFICATIONS	10670GR-US	10671GR-US	FEATURES	DD700+
Height (inch)	58	58	PLC Control	✓
Width (inch)	29	29	Manual / Automatic Mode Selection	✓
Depth (inch)	24.5	24.5	Remote Humidity Sensor Facility	✓
Weight (lbs)	170	170	Easy Access / Inboard Air Filters	✓
Voltage (V)	220	460	Filter Monitoring	✓
Current (A)	20	10	Belt Tension Monitoring	✓
Phase	3	3	High Temperature Safety Cut-outs	✓
Frequency (Hz)	60	60	EC High Efficiency Fans	✓
Power (kW)	7.5	7.5	Variable Fan Speeds	✓
Process Airflow Maximum – Dry Air (cfm)	883	883	High Capacity PTC Heaters	✓
Process Airflow Nominal – Dry Air (cfm)	410	410	Compatible with Post Cooler Module	✓
Regen Airflow Nominal – Wet Air (cfm)	95	95	Compatible with Pre Heat Module	✓
Process Air Outlet Dia (inch)	8	8	Inlet / Outlet on the same face	✓
Regen Air Outlet Dia (inch)	6	6	Free Standing	✓
Rotor Wheel Speed (rph)	13.6	13.6	Self Contained	✓
Rotor Size dia X depth (inch)	13.8 X 3.9	13.8 X 3.9	Stainless Steel Construction	○
High Extraction Setting @ 27°C 60% (ppd)	231	231	Inlet Duct Attachments	✓
High Efficiency Setting @ 27°C 60% (ppd)	184	184		
Deep Drying Settings @ 27°C 60% (ppd)	205	205		
Typical Dry Air Off – High Extraction Setting (%)	18	18		
Typical Dry Air Off – High Efficiency Setting (%)	18	18		
Typical Dry Air Off – Deep Drying Settings (%)	8	8		
Min Operating Temperature (°F)	-4	-4		
Max Operating Temperature (°F)	104	104		

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- PLC Control
- Compatible with Post Cooler and Pre Heat Modules
- Infinitely Variable EC Fan Speed



DD700+ DESICCANT DEHUMIDIFIER

PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS

SPECIFICATIONS

SPECIFICATIONS	10520GR-US	10521GR-US	FEATURES	DD900
Height (inch)	48	48	On/Off Control	✓
Width (inch)	28	28	Adjustable Thermostat	✓
Depth (inch)	23	23	Electronic Controls	✓
Weight (lbs)	198	198	Manual / Automatic Mode Selection	✓
Voltage (V)	220	460	Remote Humidity Sensor Facility	✓
Current (A)	26	13	Hours Run Meter	✓
Phase	3	3	EC High Efficiency Fans	✓
Frequency (Hz)	60	60	Variable Fan Speeds	✓
Power (kW)	9.8	9.8	High Capacity PTC Heater	✓
Process Airflow Maximum – Dry Air (cfm)	883	883	Process / Regen Air Filter	✓
Process Airflow Nominal – Dry Air (cfm)	530	530	Rubber Anti-Vibration Feet	✓
Regen Airflow Nominal – Wet Air (cfm)	147	147	Dual Air Inlet Design	✓
Process Air Outlet Dia (inch)	8	8	Free Standing	✓
Regen Air Outlet Dia (inch)	6	6	Status Indicators	✓
Rotor Wheel Speed (rph)	13.6	13.6	Self Contained	✓
Rotor Size dia X depth (inch)	17.7 X 3.9	17.7 X 3.9	Stainless Steel Construction	○
High Extraction Setting @ 27°C 60% (ppd)	364	364	Inlet Duct Attachments	○
High Efficiency Setting @ 27°C 60% (ppd)	286	286	High Temperature Safety Cut-outs	✓
Deep Drying Settings @ 27°C 60% (ppd)	323	323		
Typical Dry Air Off – High Extraction Setting (%)	12	12		
Typical Dry Air Off – High Efficiency Setting (%)	14	14		
Typical Dry Air Off – Deep Drying Settings (%)	6	6		
Min Operating Temperature (°F)	-4	-4		
Max Operating Temperature (°F)	104	104		

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- EC High Efficiency Forward Curve Fans
- Infinitely Variable Fan Speed

DD900 DESICCANT DEHUMIDIFIER

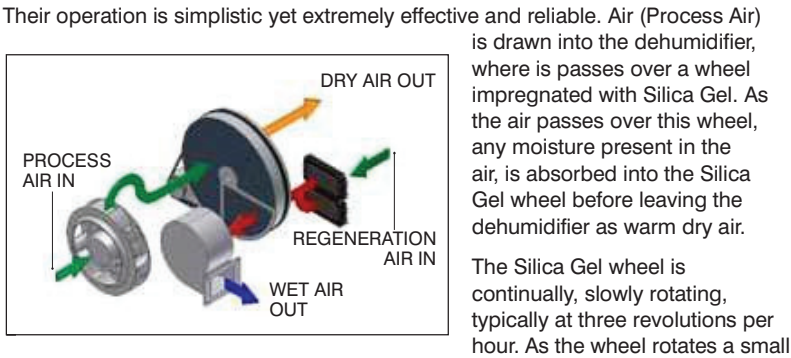
PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS

WHY THE NEED FOR A DEHUMIDIFIER?

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.



portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

With over thirty seven years of experience, EIPL is Europe’s leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL’s efficiency copes comfortably even at the coldest temperatures.

DD900

The DD900 desiccant dehumidifier is an upright, compact design, which makes it easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running. The DD900 incorporates two EC fans with variable speed allowing the unit to be easily installed and commissioned in a wide range of applications.

An electronic thermostat allows and fully variable EC fans, allows the user to select the desired drying preference , ie High Efficiency, Deep Drying, or High Extraction. The following table provides an example of capacities

27°C 60% - EXAMPLE SETTINGS			
	High Extraction	High Efficiency	Deep Drying
Process Airflow (m3/hr)	1100	900	700
Regen Airflow (m3/hr)	350	250	350
Regen Temperature Rise (K)	110	90	110
Extraction (l/d)	172	135	152
Dry Air Off (%)	12	14	6

Facility for an external humidistat allows the humidity level to be maintained at a preset condition. The EIPL range of desiccant dehumidifiers incorporate a rotors with a 82% active Silica Gel, thereby ensuring optimum performance over the equipments wide operating range.

SPECIFICATION:

SPECIFICATIONS	DD900
MODEL NO.	10520GR-GB
Height (mm)	1220
Width (mm)	718
Depth (mm)	580
Weight (kg)	90
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Current (A)	14
Power (kW)	9.8
Process Airflow - Dry Air (m3/hr)	900
Regen Airflow - Wet Air (m3/hr)	250
Process Duct Size - Dry Air (mm)	203
Regen Duct Size - Wet Air (mm)	152
Rotor Wheel Speed (rpm)	13.6
Typical Extraction @ 27°C 60% (l/day)	135
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	DD900
MODEL NO.	10520GR-GB
On/Off Control	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidistat Sensor Facility	✓
Hours Run Meter	✓
Mains Isolator	✓
Variable Fan Speeds (Speed Controlled)	✓
High Capacity PTC Heater	✓
Process / Regen Air Fliter	✓
Dual Inlet Design	✓
Free Standing	✓
Humidistat	○
Stainless Steel Construction	○
Inlet Duct Attachements	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS	
Warehouses	✓
Factories	✓
Pharmaceutical	✓
Defence Industry	✓
Confectionary	✓
Laboratories	✓
Medical	✓
Stadiums	✓
Ships	✓

SPECIFICATIONS

SPECIFICATIONS	10680GR-US	10681GR-US	FEATURES	DD900+
Height (inch)	58	58	PLC Control	✓
Width (inch)	29	29	Manual / Automatic Mode Selection	✓
Depth (inch)	24.5	24.5	Remote Humidity Sensor Facility	✓
Weight (lbs)	198	198	Easy Access / Inboard Air Filters	✓
Voltage (V)	220	460	Filter Monitoring	✓
Current (A)	26	13	Belt Tension Monitoring	✓
Phase	3	3	High Temperature Safety Cut-outs	✓
Frequency (Hz)	60	60	EC High Efficiency Fans	✓
Power (kW)	9.8	9.8	Variable Fan Speeds	✓
Process Airflow Maximum – Dry Air (cfm)	883	883	High Capacity PTC Heaters	✓
Process Airflow Nominal – Dry Air (cfm)	530	530	Compatible with Post Cooler Module	✓
Regen Airflow Nominal – Wet Air (cfm)	147	147	Compatible with Pre Heat Module	✓
Process Air Outlet Dia (inch)	8	8	Inlet / Outlet on the same face	✓
Regen Air Outlet Dia (inch)	6	6	Free Standing	✓
Rotor Wheel Speed (rph)	13.6	13.6	Self Contained	✓
Rotor Size dia X depth (inch)	17.7 X 3.9	17.7 X 3.9	Stainless Steel Construction	○
High Extraction Setting @ 27°C 60% (ppd)	364	364	Inlet Duct Attachments	✓
High Efficiency Setting @ 27°C 60% (ppd)	286	286		
Deep Drying Settings @ 27°C 60% (ppd)	323	323		
Typical Dry Air Off – High Extraction Setting (%)	12	12		
Typical Dry Air Off – High Efficiency Setting (%)	14	14		
Typical Dry Air Off – Deep Drying Settings (%)	6	6		
Min Operating Temperature (°F)	-4	-4		
Max Operating Temperature (°F)	104	104		

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- PLC Control
- Compatible with Post Cooler and Pre Heat Modules
- Infinitely Variable EC Fan Speed



DD900+ DESICCANT DEHUMIDIFIER

**PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS**

SPECIFICATIONS

SPECIFICATIONS	10540GR-US	10541GR-US	FEATURES	DD1200
Height (inch)	56	56	On/Off Control	✓
Width (inch)	28	28	Adjustable Thermostat	✓
Depth (inch)	23	23	Electronic Controls	✓
Weight (lbs)	200	200	Manual / Automatic Mode Selection	✓
Voltage (V)	220	460	Remote Humidity Sensor Facility	✓
Current (A)	31	15	Hours Run Meter	✓
Phase	3	3	EC High Efficiency Fans	✓
Frequency (Hz)	60	60	Variable Fan Speeds	✓
Power (kW)	11.8	11.8	High Capacity PTC Heaters	✓
Process Airflow Maximum – Dry Air (cfm)	883	883	Process / Regen Air Filter	✓
Process Airflow Nominal – Dry Air (cfm)	705	705	Rubber Anti-Vibration Feet	✓
Regen Airflow Nominal – Wet Air (cfm)	195	195	Dual Air Inlet Design	✓
Process Air Outlet Dia (inch)	8	8	Free Standing	✓
Regen Air Outlet Dia (inch)	6	6	Status Indicators	✓
Rotor Wheel Speed (rph)	13.6	13.6	Self Contained	✓
Rotor Size dia X depth (inch)	13.8 X 7.9	13.8 X 7.9	Stainless Steel Construction	○
High Extraction Setting @ 27°C 60% (ppd)	562	562	Inlet Duct Attachments	○
High Efficiency Setting @ 27°C 60% (ppd)	402	402	High Temperature Safety Cut-outs	✓
Deep Drying Settings @ 27°C 60% (ppd)	508	508		
Typical Dry Air Off – High Extraction Setting (%)	9	9		
Typical Dry Air Off – High Efficiency Setting (%)	12	12		
Typical Dry Air Off – Deep Drying Settings (%)	5	5		
Min Operating Temperature (°F)	-4	-4		
Max Operating Temperature (°F)	104	104		

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- EC High Efficiency Forward Curve Fans
- Infinitely Variable Fan Speed

DD1200 DESICCANT DEHUMIDIFIER

PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS

WHY THE NEED FOR A DEHUMIDIFIER?

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air)

is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small

portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

With over thirty seven years of experience, EIPL is Europe's leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

DD1200

The DD1200 desiccant dehumidifier is an upright, compact design, which makes it easily accommodated within space restricted areas. The unit incorporates a PTC Heater ensuring maximum drying is immediately reached, and constantly maintained while the unit is running. The DD1200 incorporates two EC fans with variable speed allowing the unit to be easily installed and commissioned in a wide range of applications.

An electronic thermostat allows and fully variable EC fans, allows the user to select the desired drying preference, ie High Efficiency, Deep Drying, or High Extraction. The following table provides an example of capacities

27°C 60% - EXAMPLE SETTINGS			
	High Extraction	High Efficiency	Deep Drying
Process Airflow (m3/hr)	1400	1200	1000
Regen Airflow (m3/hr)	400	330	400
Regen Temperature Rise (K)	110	90	110
Extraction (l/d)	266	190	241
Dry Air Off (%)	9	12	5

Facility for an external humidistat allows the humidity level to be maintained at a preset condition. The EIPL range of desiccant dehumidifiers incorporate a rotors with a 82% active Silica Gel, thereby ensuring optimum performance over the equipments wide operating range.

SPECIFICATION:

SPECIFICATIONS	DD1200
MODEL NO.	10540GR-GB
Height (mm)	1420
Width (mm)	718
Depth (mm)	580
Weight (kg)	100
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Current (A)	17
Power (kW)	11.8
Process Airflow - Dry Air (m3/hr)	1200
Regen Airflow - Wet Air (m3/hr)	330
Process Duct Size - Dry Air (mm)	203
Regen Duct Size - Wet Air (mm)	152
Rotor Wheel Speed (rpm)	13.6
Typical Extraction @ 27°C 60% (l/day)	190
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	DD1200
MODEL NO.	10540GR-GB
On/Off Control	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidistat Sensor Facility	✓
Hours Run Meter	✓
Mains Isolator	✓
Variable Fan Speeds (Speed Controlled)	✓
High Capacity PTC Heater	✓
Process / Regen Air Filter	✓
Dual Inlet Design	✓
Free Standing	✓
Humidistat	○
Stainless Steel Construction	○
Inlet Duct Attachements	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS	
Warehouses	✓
Factories	✓
Pharmaceutical	✓
Defence Industry	✓
Confectionary	✓
Laboratories	✓
Medical	✓
Stadiums	✓
Ships	✓

SPECIFICATIONS

SPECIFICATIONS	10690GR-US	10691GR-US	FEATURES	DD1200+
Height (inch)	58	58	PLC Control	✓
Width (inch)	29	29	Manual / Automatic Mode Selection	✓
Depth (inch)	24.5	24.5	Remote Humidity Sensor Facility	✓
Weight (lbs)	200	200	Easy Access / Inboard Air Filters	✓
Voltage (V)	220	460	Filter Monitoring	✓
Current (A)	31	15	Belt Tension Monitoring	✓
Phase	3	3	High Temperature Safety Cut-outs	✓
Frequency (Hz)	60	60	EC High Efficiency Fans	✓
Power (kW)	11.8	11.8	Variable Fan Speeds	✓
Process Airflow Maximum – Dry Air (cfm)	883	883	High Capacity PTC Heaters	✓
Process Airflow Nominal – Dry Air (cfm)	705	705	Compatible with Post Cooler Module	✓
Regen Airflow Nominal – Wet Air (cfm)	195	195	Compatible with Pre Heat Module	✓
Process Air Outlet Dia (inch)	8	8	Inlet / Outlet on the same face	✓
Regen Air Outlet Dia (inch)	6	6	Free Standing	✓
Rotor Wheel Speed (rph)	13.6	13.6	Self Contained	✓
Rotor Size dia X depth (inch)	13.8 X 7.9	13.8 X 7.9	Stainless Steel Construction	0
High Extraction Setting @ 27°C 60% (ppd)	562	562	Inlet Duct Attachments	✓
High Efficiency Setting @ 27°C 60% (ppd)	402	402		
Deep Drying Settings @ 27°C 60% (ppd)	508	508		
Typical Dry Air Off – High Extraction Setting (%)	9	9		
Typical Dry Air Off – High Efficiency Setting (%)	12	12		
Typical Dry Air Off – Deep Drying Settings (%)	5	5		
Min Operating Temperature (°F)	-4	-4		
Max Operating Temperature (°F)	104	104		

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- PLC Control
- Compatible with Post Cooler and Pre Heat Modules
- Infinitely Variable EC Fan Speed



DD1200+ DESICCANT DEHUMIDIFIER

**PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS**

SPECIFICATIONS

SPECIFICATIONS	10650GR-US	10651GR-US
Height (inch)	63	63
Width (inch)	80	80
Depth (inch)	34	34
Weight (lbs)	463	463
Voltage (V)	220	460
Current (A)	30	15
Phase	3	3
Frequency (Hz)	60	60
Power (kW)	11.8	11.8
Process Airflow Maximum – Dry Air (cfm)	883	883
Process Airflow Nominal – Dry Air (cfm)	705	705
Regen Airflow Nominal – Wet Air (cfm)	195	195
Process Air Inlet (L X W) (Inch)	19 X 15	19 X 15
Process Air Outlet Dia (inch)	12	12
Regen Air Inlet (L X W) (Inch)	26.5 X 17.25	26.5 X 17.25
Regen Air Outlet Dia (inch)	12	12
Rotor Wheel Speed (rph)	13.6	13.6
Rotor Size dia X depth (inch)	13.8 X 7.9	13.8 X 7.9
Typical Dry Air Off – High Extraction (%)	9	9
Typical Dry Air Off – High Efficiency (%)	12	12
Typical Dry Air Off – Deep Drying (%)	5	5
Min Operating Temperature (°F)	-4	-4
Max Operating Temperature (°F)	104	104

FEATURES	DD1200-HE
On/Off Control	✓
Adjustable Thermostat	✓
Electronic Touch Screen Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
EC High Efficiency Fans	✓
Variable Fan Speeds	✓
High Capacity PTC Heaters	✓
Process / Regen Air Filter	✓
Dual Air Inlet Design	✓
Free Standing	✓
Status Indicators	✓
Self Contained	✓
Stainless Steel Construction	○
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second airstream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this airstream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- Touch Screen Control
- Energy Recovery by reheating regeneration airstream
- Energy saving by reducing the room AC loading to compensate for higher return air temperatures
- EC High Efficiency Backward Curve Fans
- Infinitely Variable Fan Speed

DD1200-HE DESICCANT DEHUMIDIFIER

PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
COLD STORES, POWER STATIONS, PLASTICS

DDEI-Series

Desiccant Dehumidifiers

Large Size Range | Moisture Removal | 840 - 3,173 ppd

Product Data



SPECIFICATIONS

SPECIFICATIONS	DD3000	DD6000	DD9000	DD12000
Height (inch)	55	55	70	70
Width (inch)	85	85	95	95
Depth (inch)	39	39	55	55
Weight (lbs)	1,114	1,234	1,675	2,998
Voltage (V)	220 /460	220/460	220/460	220/460
Phase	3	3	3	3
Frequency (Hz)	60	60	60	60
Total Power (kW)	25	50	67	94
Regeneration Heater Power Requirements (kW)	22	45	59	84
Gas Regeneration Option (Usage)	Y	Y	Y	Y
Steam Regeneration Option (m3/hr)	7.0	14.5	14.7	8.0
Electric Regeneration Option (kW)	22	45	67	94
Process Airflow Maximum – Dry Air (cfm)	1,765	3,531	5,297	7,062
Process Airflow Static Pressure (WG)	5	4.4	4.4	3.6
Regen Airflow Nominal – Wet Air (cfm)	423	835	1,118	1,530
Regen Airflow Static Pressure (WG)	3.2	5.4	4.8	4.4
Process Air Outlet Dia (inch)	16	16	18	18
Process Air Inlet (L X W)	29 X 21	29 X 21	33 X 25	39 X 29
Regen Air Outlet Dia (inch)	10	10	12	14
Regen Air Inlet (L X W)	19 X 19	19 X 19	19 X 19	23 X 23
Rotor Wheel Speed (rph)	10.2	10.2	10.2	10.2
Rotor Size dia X depth (inch)	25.5 X 7.9	33.5 X 7.9	41.3 X 7.9	49.2 X 7.9
Munters / Proflute Desiccant Wheel	Y	Y	Y	Y
Typical Extraction @ 60°F 60%RH (ppd)	840	1,641	2,246	3,173
Min Operating Temperature (°F)	-4	-4	-4	-4

APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.

DD3000 - DD12000 RANGE

**PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS**

WHY THE NEED FOR A DEHUMIDIFIER?

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air)

is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small

portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

With over thirty seven years of experience, EIPL is Europe's leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

DD3000

The EIPL desiccant dehumidifiers all incorporate the well proven, Proflute / Munters desiccant wheels thereby ensuring their products, as a minimum, equal performance to major competitors products. This range of large desiccant dehumidifiers, have been designed to accommodate a wide range of regeneration heat sources, ie electric, steam and gas, thereby ensuring a wide variety of installations are accommodated.

The programmable electronic controller, and high capacity EC process fan, allows easy installation and also the flexibility for the end user to fine tune drying capacities catering for, high extraction, high efficiency or deep drying, depending upon the final application.

Facility for an external humidistat allows remote control of the drying cycle. All models incorporate a high efficiency patented PPS Rotor. This design incorporates an 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

The chassis design incorporates access points for fork lifts and pallet trucks, allowing for easy maneuvering into awkward site locations. All side panels are removable, allowing for easy servicing and maintenance. Should a fault arise various fault indicator lamps allow easy diagnostics and thereby minimum downtime.

SPECIFICATION:

SPECIFICATIONS	DD3000
MODEL NO.	VARIOUS
Height (mm)	1,400
Width (mm)	2,000
Depth (mm)	1,000
Weight (kg)	505
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Typical Current Fans Only (A)	10
Heating Power (kW)	24
Gas Regeneration Option (Usage)	TBC
Steam Regeneration Option (m3/hr)	7.0
Electric Regeneration Option (kW)	24
Rotor Size (dia X depth)	650 X 200
Process Airflow - Dry Air (m3/hr)	3,000
Process Airflow Static Pressure (pa)	1,245
Regen Airflow - Wet Air (m3/hr)	750
Regen Airflow Static Pressure (pa)	797
Process Duct Size - Dry Air (mm)	400
Process Air Inlet (L X W mm)	740 X 535
Regen Duct Size - Wet Air (mm)	250
Regen Air Inlet (L X W mm)	485 X 485
Typical Extraction @ 27°C 60% (l/day)	438
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	
On/Off Control	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidistat Sensor Facility	✓
Mains Isolator	✓
Variable Fan Speeds (Speed Controlled)	✓
Steam Regeneration Option	✓
Gas Regeneration Option	✓
Electric Regeneration Option	✓
Process / Regen Air Filter	✓
Dual Inlet Design	✓
Free Standing	✓
Humidistat	○
Stainless Steel Construction	○
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS	
Warehouses	✓
Factories	✓
Pharmaceutical	✓
Defence Industry	✓
Confectionary	✓
Laboratories	✓
Medical	✓
Stadiums	✓
Ships	✓

WHY THE NEED FOR A DEHUMIDIFIER?

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air)

is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small

portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

With over thirty seven years of experience, EIPL is Europe's leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

DD6000

The EIPL desiccant dehumidifiers all incorporate the well proven, Proflute / Munters desiccant wheels thereby ensuring their products, as a minimum, equal performance to major competitors products. This range of large desiccant dehumidifiers, have been designed to accommodate a wide range of regeneration heat sources, ie electric, steam and gas, thereby ensuring a wide variety of installations are accommodated.

The programmable electronic controller, and high capacity EC process fan, allows easy installation and also the flexibility for the end user to fine tune drying capacities catering for, high extraction, high efficiency or deep drying, depending upon the final application.

Facility for an external humidistat allows remote control of the drying cycle. All models incorporate a high efficiency patented PPS Rotor. This design incorporates an 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

The chassis design incorporates access points for fork lifts and pallet trucks, allowing for easy maneuvering into awkward site locations. All side panels are removable, allowing for easy servicing and maintenance. Should a fault arise various fault indicator lamps allow easy diagnostics and thereby minimum downtime.

SPECIFICATION:

SPECIFICATIONS	DD6000
MODEL NO.	VARIOUS
Height (mm)	1,400
Width (mm)	2,000
Depth (mm)	1,000
Weight (kg)	560
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Typical Current Fans Only (A)	10
Heating Power (kW)	45
Gas Regeneration Option (Usage)	TBC
Steam Regeneration Option (m3/hr)	14.5
Electric Regeneration Option (kW)	45
Rotor Size (dia X depth)	850 X 200
Process Airflow - Dry Air (m3/hr)	3,000
Process Airflow Static Pressure (pa)	1,095
Regen Airflow - Wet Air (m3/hr)	750
Regen Airflow Static Pressure (pa)	1,345
Process Duct Size - Dry Air (mm)	400
Process Air Inlet (L X W mm)	740 X 535
Regen Duct Size - Wet Air (mm)	250
Regen Air Inlet (L X W mm)	485 X 485
Typical Extraction @ 27°C 60% (l/day)	876
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	
On/Off Control	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidistat Sensor Facility	✓
Mains Isolator	✓
Variable Fan Speeds (Speed Controlled)	✓
Steam Regeneration Option	✓
Gas Regeneration Option	✓
Electric Regeneration Option	✓
Process / Regen Air Filter	✓
Dual Inlet Design	✓
Free Standing	✓
Humidistat	○
Stainless Steel Construction	○
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS	
Warehouses	✓
Factories	✓
Pharmaceutical	✓
Defence Industry	✓
Confectionary	✓
Laboratories	✓
Medical	✓
Stadiums	✓
Ships	✓

WHY THE NEED FOR A DEHUMIDIFIER?

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air)

is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small

portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

With over thirty seven years of experience, EIPL is Europe's leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

DD9000

The EIPL desiccant dehumidifiers all incorporate the well proven, Proflute / Munters desiccant wheels thereby ensuring their products, as a minimum, equal performance to major competitors products. This range of large desiccant dehumidifiers, have been designed to accommodate a wide range of regeneration heat sources, ie electric, steam and gas, thereby ensuring a wide variety of installations are accommodated.

The programmable electronic controller, and high capacity EC process fan, allows easy installation and also the flexibility for the end user to fine tune drying capacities catering for, high extraction, high efficiency or deep drying, depending upon the final application.

Facility for an external humidistat allows remote control of the drying cycle. All models incorporate a high efficiency patented PPS Rotor. This design incorporates an 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

The chassis design incorporates access points for fork lifts and pallet trucks, allowing for easy maneuvering into awkward site locations. All side panels are removable, allowing for easy servicing and maintenance. Should a fault arise various fault indicator lamps allow easy diagnostics and thereby minimum downtime.

SPECIFICATION:

SPECIFICATIONS	DD9000
MODEL NO.	VARIOUS
Height (mm)	1,720
Width (mm)	2,100
Depth (mm)	1,300
Weight (kg)	760
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Typical Current Fans Only (A)	10
Regeneration Heating Power (kW)	67
Gas Regeneration Option (Usage)	TBC
Steam Regeneration Option (m3/hr)	14.7
Electric Regeneration Option (kW)	67
Rotor Size (dia X depth)	1,050 X 200
Process Airflow - Dry Air (m3/hr)	9,000
Process Airflow Static Pressure (pa)	1,095
Regen Airflow - Wet Air (m3/hr)	2,000
Regen Airflow Static Pressure (pa)	1,195
Process Duct Size - Dry Air (mm)	460
Process Air Inlet (L X W mm)	840 X 635
Regen Duct Size - Wet Air (mm)	305
Regen Air Inlet (L X W mm)	485 X 485
Typical Extraction @ 27°C 60% (l/day)	1,314
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	
On/Off Control	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidistat Sensor Facility	✓
Mains Isolator	✓
Variable Fan Speeds (Speed Controlled)	✓
Steam Regeneration Option	✓
Gas Regeneration Option	✓
Electric Regeneration Option	✓
Process / Regen Air Filter	✓
Dual Inlet Design	✓
Free Standing	✓
Humidistat	○
Stainless Steel Construction	○
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS	
Warehouses	✓
Factories	✓
Pharmaceutical	✓
Defence Industry	✓
Confectionary	✓
Laboratories	✓
Medical	✓
Stadiums	✓
Ships	✓

WHY THE NEED FOR A DEHUMIDIFIER?

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mould growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers.

Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air)

is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates a small

portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream, this hot wet air is then exhausted outside the area being dried.

WHY CHOOSE EIPL?

With over thirty seven years of experience, EIPL is Europe's leading manufacturer of dehumidifiers and the name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

DD12000

The EIPL desiccant dehumidifiers all incorporate the well proven, Proflute / Munters desiccant wheels thereby ensuring their products, as a minimum, equal performance to major competitors products. This range of large desiccant dehumidifiers, have been designed to accommodate a wide range of regeneration heat sources, ie electric, steam and gas, thereby ensuring a wide variety of installations are accommodated.

The programmable electronic controller, and high capacity EC process fan, allows easy installation and also the flexibility for the end user to fine tune drying capacities catering for, high extraction, high efficiency or deep drying, depending upon the final application.

Facility for an external humidistat allows remote control of the drying cycle. All models incorporate a high efficiency patented PPS Rotor. This design incorporates an 82% active Silica Gel to ensure optimum performance over the equipment's wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

The chassis design incorporates access points for fork lifts and pallet trucks, allowing for easy maneuvering into awkward site locations. All side panels are removable, allowing for easy servicing and maintenance. Should a fault arise various fault indicator lamps allow easy diagnostics and thereby minimum downtime.

SPECIFICATION:

SPECIFICATIONS	DD12000
MODEL NO.	VARIOUS
Height (mm)	2,000
Width (mm)	2,800
Depth (mm)	1,600
Weight (kg)	1,360
Voltage (V)	415
Phase	3
Frequency (Hz)	50
Typical Current Fans Only (A)	10
Regeneration Heating Power (kW)	94
Gas Regeneration Option (Usage)	TBC
Steam Regeneration Option (m3/hr)	8.0
Electric Regeneration Option (kW)	94
Rotor Size (dia X depth)	1,250 X 200
Process Airflow - Dry Air (m3/hr)	9,000
Process Airflow Static Pressure (pa)	896
Regen Airflow - Wet Air (m3/hr)	2,500
Regen Airflow Static Pressure (pa)	1,095
Process Duct Size - Dry Air (mm)	460
Process Air Inlet (L X W mm)	990 X 740
Regen Duct Size - Wet Air (mm)	350
Regen Air Inlet (L X W mm)	585 X 585
Typical Extraction @ 27°C 60% (l/day)	1,520
Min Operating Temperature (°C)	-20
Max Operating Temperature (°C)	40

FEATURES:

FEATURES	
On/Off Control	✓
Electronic Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidistat Sensor Facility	✓
Mains Isolator	✓
Variable Fan Speeds (Speed Controlled)	✓
Steam Regeneration Option	✓
Gas Regeneration Option	✓
Electric Regeneration Option	✓
Process / Regen Air Filter	✓
Dual Inlet Design	✓
Free Standing	✓
Humidistat	○
Stainless Steel Construction	○
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

APPLICATIONS:

APPLICATIONS	
Warehouses	✓
Factories	✓
Pharmaceutical	✓
Defence Industry	✓
Confectionary	✓
Laboratories	✓
Medical	✓
Stadiums	✓
Ships	✓