



LUKO

FD-D Series Desiccant Dehumidifier

Model:FD-D3000K

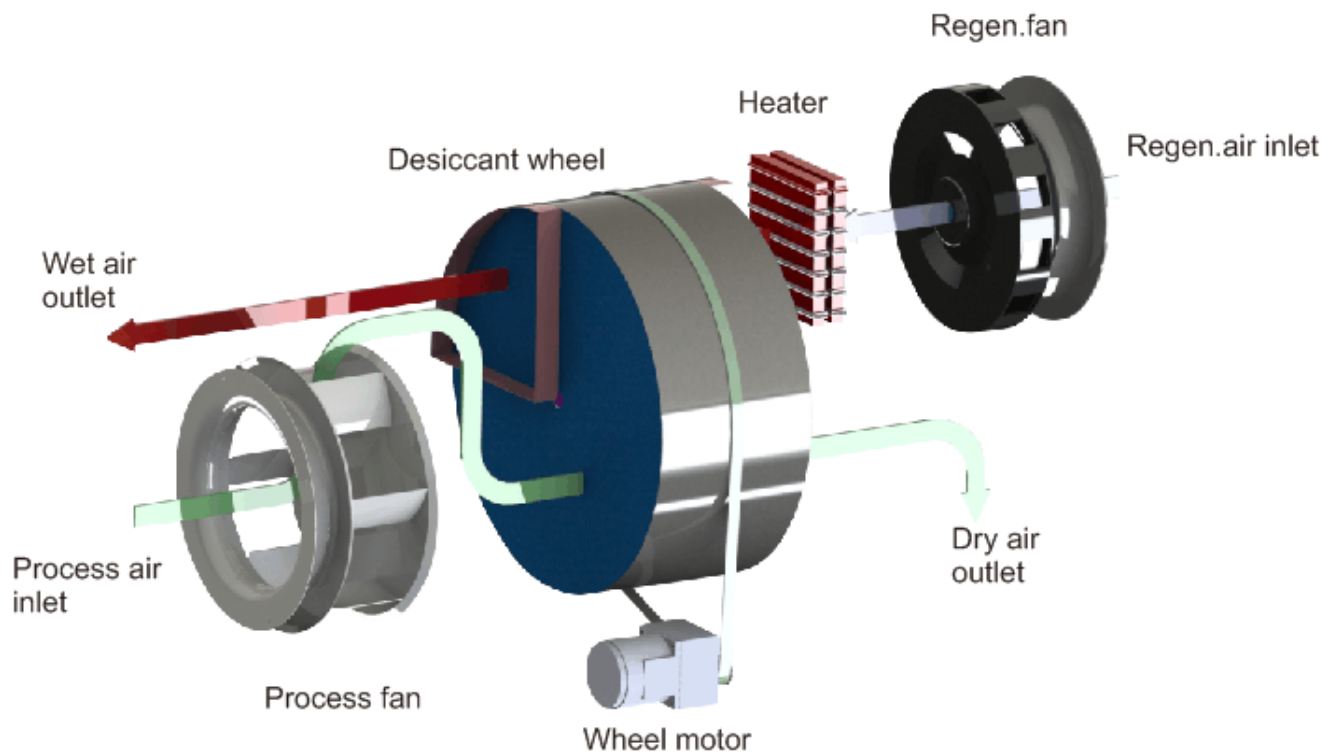
Dehumidifying Capacity: 19KG/H

PHOTO





WORKING PRINCIPLE



This series is normally with low regeneration temperature. It is suitable for environment with surplus of heat. And it is usually apply in application that require to achieve low dew point.



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KEY FEATURES

- *High Performance Desiccant Rotor with high moisture adsorption rate for reliable performance and continuous trouble-free operation. Lifespan of the Rotor wheel is 5 – 8 years under normal operating condition (non-corrosive environment and regeneration temperature of below 140°C)
- *Come with advance touch control panel with built-in Honeywell Temperature and Humidity Sensor for real-time monitoring, which is easy to operate and user friendly.
- *Our desiccant dehumidifier is built-in with dual-speed adjustable centrifugal fan which can be set to run in High and Low speed for the Process Air Fan. It is also come with separate fan for Regeneration Air.
- *Simple and elegant design with unique frame for better sealing and insulation structure to reduce heat loss.
- *Body material build with SPCC metal and Power-Coated paint for better resistant over corrosion.
- *Built with reliable electrical component from well-known reliable brand. e.g. ABB, OMRON, Schneider and others.
- *Low operation cost and energy efficient. Our desiccant dehumidifier used PTC and SCR build heating technology with advance processor-controlled regeneration heat, which can save 20% -30% of power consumption.
- *Structure built for convenient installation and easy maintenance with replaceable F5 filter and washable rotor. It is also build according Fire Prevention Standard, to ensure safe operation of the machine.
- *Inlet and Outlet air of the machine is conformance to duct connection standard of ISO7807 to simplify air duct connection.
- *Equipment is conformance to TUV, GS, ROHS and CE Standards.



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CONTROL





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TECHNICAL DATA

Capacity(@20°C,60%RH)	19kg/h
Process Air Flow	3000m³/h (400PA)
Reactivation Air Flow	1100m³/h (250PA)
Process air in & out	ø300mm
Regen. air in & out	ø200mm
Max. Power	30KW
Rated Power	28KW
Rated Current	73A
Primary Filter	G4 efficiency
Heater Type	Tube + SCR
Controller Type	digital controller + button
Voltage /Frequency	380V/50Hz/3P
Applied Temperature	-20°C~60°C
Body Material	Metal Steel with Powder Coated (optional: SUS304 – additional cost)
Weight	300KG
Dimension	1250*900*1300mm

*Technical Specifications and dimensions are subject to change without prior notice



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BILL OF MATERIALS

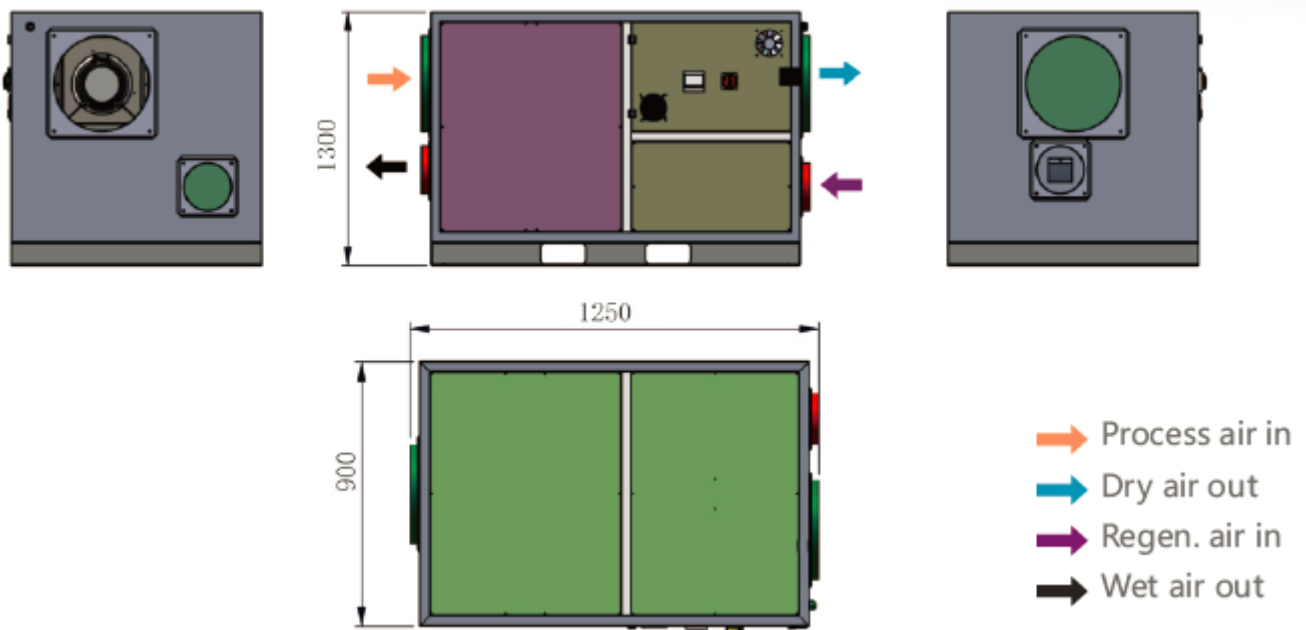
Items	Parts and Components Brand	Manufacturer
Machine Main Body	SPCC	LUKO
Rotor Belt	GOODUSE	GOODUSE
Desiccant Wheel	LUKO's Custom Made Desiccant Wheel	LUKO
Process Air Filter	G7 primary filter / Or Custom Made	LUKO
Regeneration Air Filter	G7 primary filter / Or Custom Made	LUKO
Alarm Indicator Device	Schneider	Schneider
Indicator Light	Schneider	Schneider
Power-On Button	Schneider	Schneider
Power-Off Button	Schneider	Schneider
Manual / Auto Switch	Schneider	Schneider
Delay Timer	OMRON	OMRON
Master Switch	ABB	ABB
Motor Protection Device	Schneider	Schneider
Air Switch	Schneider	Schneider
Intermediate Relay	OMRON	OMRON
AC Contactor	Schneider	Schneider
Process Air Fan	German Rosenberg	German Rosenberg
Regeneration Air Fan	Fanshida	Fanshida
Heater	LUKO's Custom made	LUKO
Duct Flange	Galvanized Type	GANGYANG HVAC



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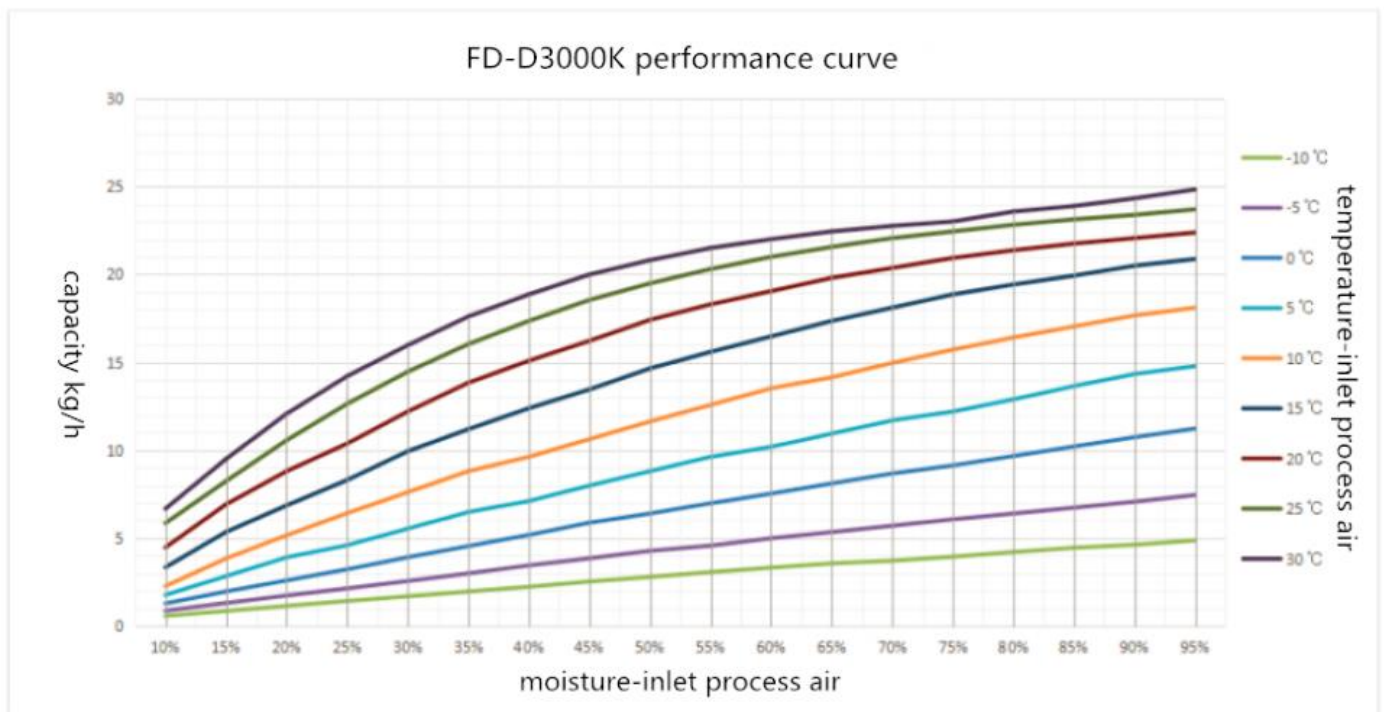
DIMENSION





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PERFORMANCE

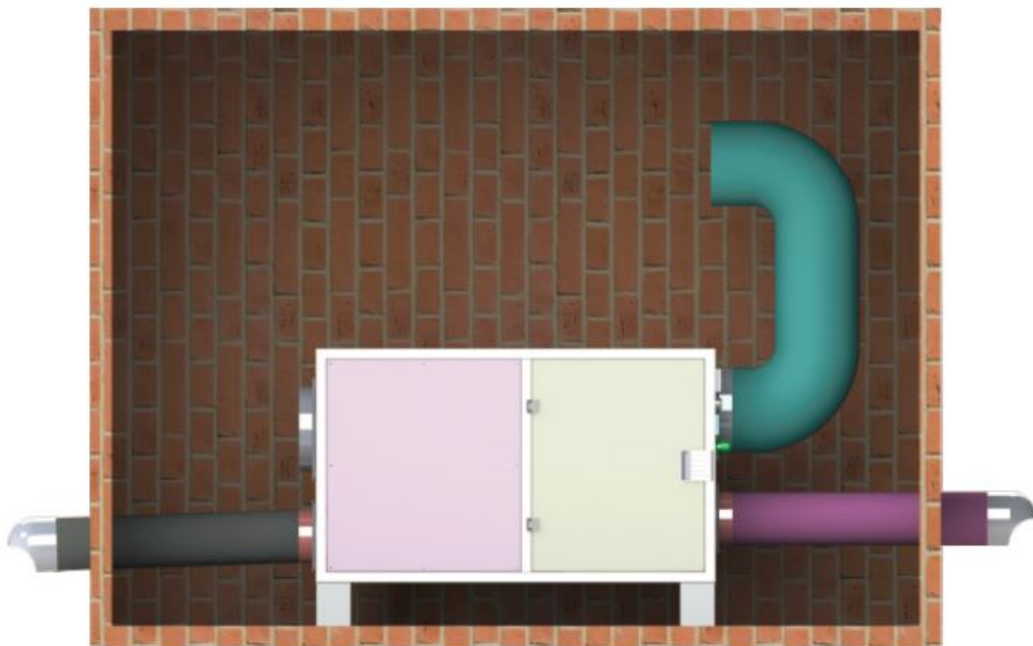




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INDOORS INSTALLATION



OUTDOORS INSTALLATION

