



DA  
SERIES



## TECHNICAL DATA SHEET

**Desiccant dryer**  
**Condair DA 300N - 2400N**

Humidification, dehumidification  
and evaporative cooling

**condair**

# TECHNICAL DATA SHEET

## Desiccant Dryer Condair DA 300N - 2400N

Desiccant dryer for industrial and commercial use. Resistant double-skin housing construction made of AluZinc® and RAL9006 powder coating. Equipped with 1.25 in. non-combustible mineral wool insulation. The desiccant dryers are stackable.

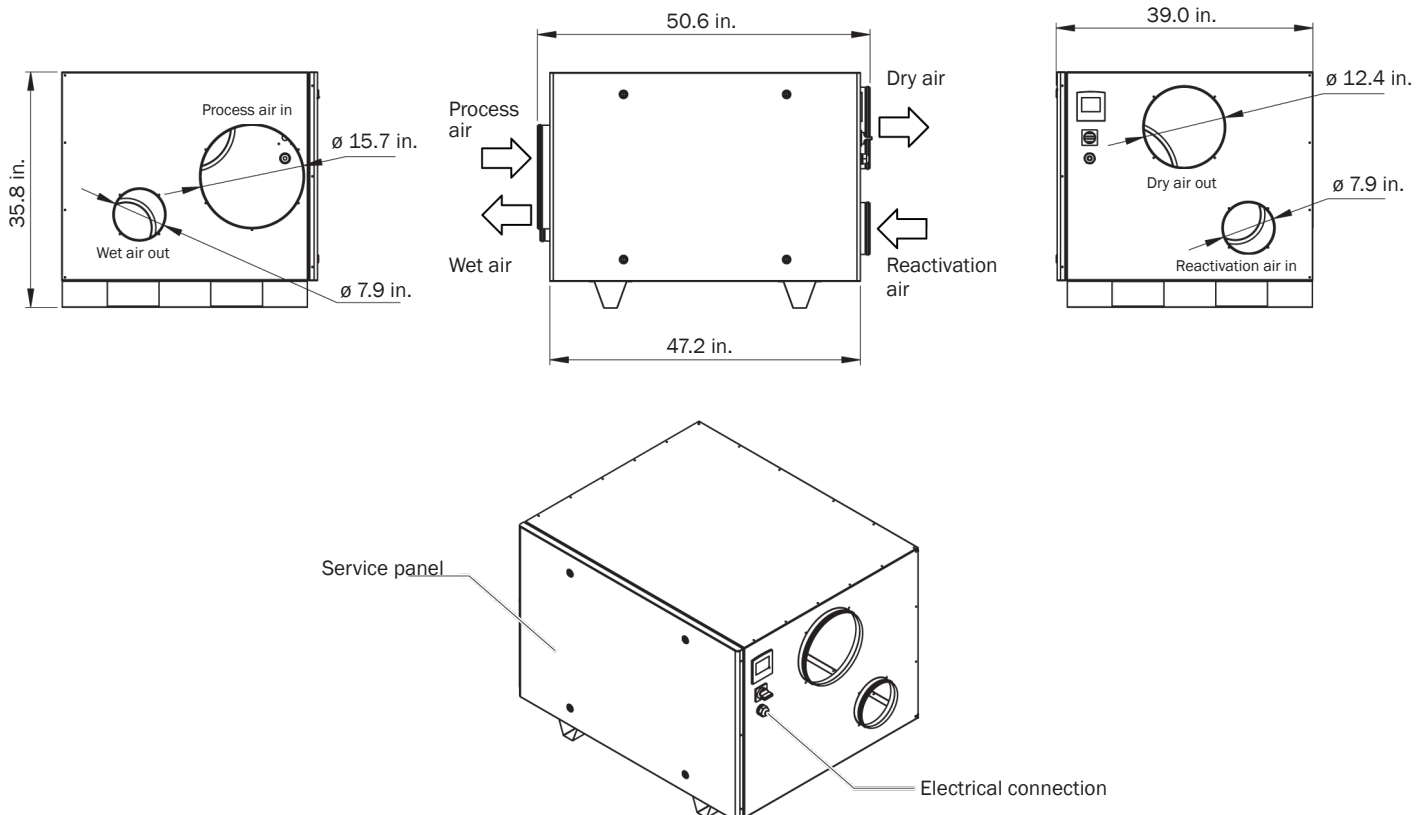
The Condair DA 300N - 2400N desiccant dryers are equipped as standard with electric PTC reactivation heating. On request, pre- and post-cooling coils can be attached to the dryer depending on site requirements.

The desiccant dryers are supplied ready for connection and, depending on the configuration, they are connected to standard air ducts, electrical power supply and external humidity sensors.

### Product Features

- High-performance desiccant rotor
- Robust AluZinc® housing with RAL9006 powder coating
- Sandwich construction with 1.25 in. insulation
- Separate process and reactivation air fans
- EC fans for process and reactivation air
- PLC control with touchscreen
- Comprehensive control options
- Service-friendly design

### Dimensional Drawing



**Depending on the customer's requirements, the following options are available:**

- Pre-cooling and/or post-cooling modules (on request)
- Modbus TCP/IP board for PLC
- Modbus RTU RS485 board for PLC
- Wet air thermostat

**Technical Specifications**

		DA 300N	DA 400N	DA 600N	DA 800N	DA 1400N	DA 2000N <sup>1</sup>	DA 2400N <sup>1</sup>	
Drying capacity at 20°C - 60%rh	lb/hr	7.3	11.2	15.6	22.0	29.7	31.9	44.1	
Process air flow nominal	cfm	300	400	600	800	1400	2000	2400	
Reactivation air flow nominal	cfm	90	130	200	235	295	325	500	
Static pressure process air side	in. H <sub>2</sub> O	1.2	0.8	1.2	0.8	1.2	1.2	0.8	
Static pressure reactivation air side	Pa	1.2	1.0	0.8	1.2	1	0.8	0.8	
Admissible temperature	°F	-30 to +104							
Admissible humidity	%RH	0 to 100							
Power supply (208/3 option)	V/Ph/Hz	208/3/60							-
Power consumption	kW	5.8	8.8	11.9	14.8	21.6	22.1	-	
Rated current for 208/3/60 models	A	16	24.5	33.1	41	60	61.5	-	
External fuse for 208/3/60 models	A	25	35	45	60	80	80	-	
Power supply (480/3 option)	V/Ph/Hz	480/3/60							
Power consumption	kW	7.9	9.6	12.9	15.6	20	23.4	31.4	
Rated current for 208/3/60 models	A	9.5	11.5	15.5	18.8	24.2	28.2	37.8	
External fuse for 208/3/60 models	A	15	15	20	25	35	40	50	
Connection diameter process air	in.	15.75							
Connection diameter dry air	in.	12.40							
Connection diameter reactivation air	in.	7.9							
Connection diameter wet air	in.	7.9							
Filter class process air		MERV 7							
Filter class reactivation air		MERV 7							
Dimensions (H x W x D)	in.	35.8 x 50.6 x 39							
Sound pressure level <sup>2)</sup>	dB(A)	62	62	62	63	68	69	69	
Weight	lb	408	419	419	430	441	441	452	

1) DA 2000N 480/3 models and DA 2400N models available from Q1 2022

2) Maximum sound pressure level at 3.3 ft. distance, with 10 ft. applied ducting

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