

Brief Description

These high capacity models feature twin plenum chambers in each tower for even air flow across desiccant beds. Skid-mounted construction lowers rigging, installation, and maintenance costs.

The CDA Series high capacity dryers offer user-friendly, off-the-shelf controls. The unit provides a compact frame with minimum moving parts, easy accessibility for maintenance and a small footprint. Every dryer is factory-tested before shipment to assure reliability performance for years to come. Optimal desiccant utilization guarantees lowest dew point.

Basic Version

- LED readout of set point & process temperatures
- Off-the-shelf programmable controller
- NEMA 12 control enclosure
- Dew point bed switching with dew point meter and dirty filter indication
- Process and regeneration air filters
- Off-the-shelf microprocessor-based PID temperature controller
- Mercury contactors on process heaters
- Branch fusing
- One (1) 12-foot length and one (1) 20-foot length of high-temperature flexible hose with four (4) clamps (SDA 600 model has [2] 12-foot lengths with [4] clamps)
- 4-way positive seal air-operated aluminum valves
- Regenerative type process blower
- Alarm indicator lights for :
 - High dew point
 - Dirty filter
 - High process temperature
 - Low process temperature
 - High-regeneration air temperature
 - Low-regeneration air temperature
 - Process blower failure
 - Regeneration blower failure
- Maximum standard temperature: 300°F (149°C) – High temperature packages available
- 460/3/60 supply voltage
- Three (3) year temperature controller warranty

Optional Features

- 208 or 230/2/60, 380, 400 or 415/3/60; 380/3/60; 575/3/60
- Disconnect switch with door-mounted handle: 460/3/60 (non-fused); 230/3/60 (non-fused); 380, 400 or 415/3/50; 380/3/60; 575/3/60
- Heater burnout indicator (ammeters)
- Valve positioning error alarm
- Redundant high-temperature shut down
- 13X molecular sieve
- Audible and visual alarm annunciator
- High temperature process air delivery filter
- Return air temperature digital display
- 12 ft. insulated process hose
- 7 day timer
- External communication: SPI protocol dual ports, or NX protocols types RS-232C/422/485 single port
- Less process heaters (HE style), less process heaters and controller (CHE style), less process blower, heaters and controller (BCHE style)
- High temperature operation up to 400°F (204°C)
- Designed for elevations above 3000 ft.
- CUL compliance

Remote-mount dew point monitors

Dew point monitors include: meter, set plugs and cord set for 115/1/60, sensor for delivery air, and lights.

DMP20 model includes audible alarm with reset button; DMPS model includes output for remote alarm.

DPM20 operating range is -40° to 10°F (-40° to -12°C)

DPMS operating range is -80° to -20°F (-62° to -29°C)



Technical Information

Model Number	CDA xxx		
	600	720	850
Process Air Flow cfm (m ³ /h)	350 (595)	425 (720)	500 (850)
Hose connection dia., inches (mm)	4 (101)	5 (127)	5 (127)
Full load amps; 460/3/60	54	55	72
Process Blower, hp (kW)	5 (3.73)	7.5 (5.6)	7.5 (5.6)
Regen. Blower, hp (kW)	0.5 (0.37)	0.5 (0.37)	0.5 (0.37)
Dimensions, inches (cm)	Height	73 (185)	82 (208)
	Width	56 (142)	52 (132)
	Length	56 (142)	61 (155)
Ship weight, lbs. (kg)	1,000 (455)	1,100 (500)	1,200 (545)

SDA-RT High Temperature Models

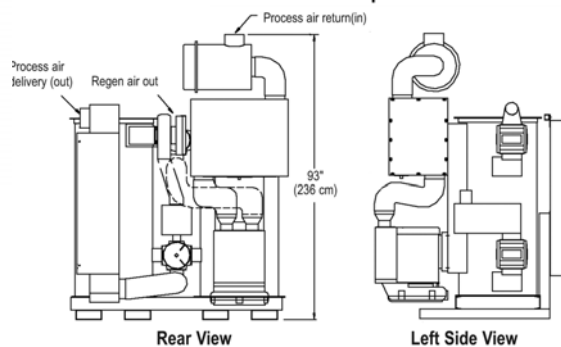
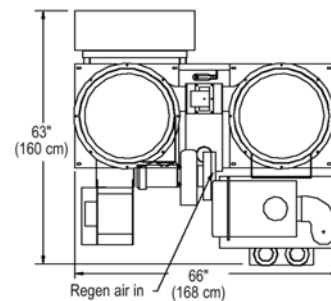
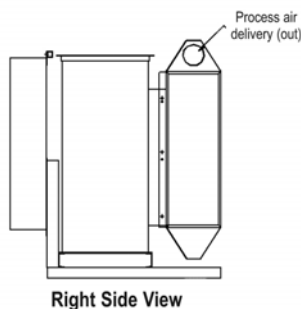
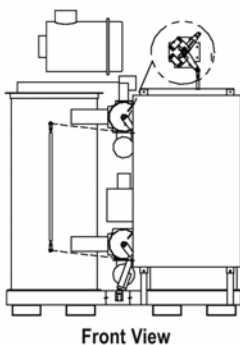
	CDA600	CDA720	CDA850
Amp Draw	64	CF	75

After-coolers and Pre-coolers

AFT600 through AFT850 models come standard with mild steel housing, copper/steel fin and coil heat exchanger, and flexible hose and clamps.

Aftercoolers are used in high temperature drying applications when process temperatures are above 250°F (121°C). Precoolers are used in low temperature drying applications to hold consistent process temperatures below 170°F (77°C).

Model	CDA600	CDA720	CDA850
After-Cooler	AFT350	AFT425	AFT500
Water Flow, gpm (lpm)	7 (26)	10 (37)	10 (37)
Fitting Size, in. (mm)	0.75 (19)	1 (25)	1 (25)
Shipping Wt. lbs. (kg)	100 (46)	120 (55)	120 (55)



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