



AD-310 106.50 cu ft 310-lb Capacity Dryer



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The AD-310 bridges the gap between 200- and 400-lb capacity units, with a tumbler volume that competing manufacturers in America simply do not offer. The AD-310 is equipped with a wide range of standard features that include our exclusive patented microprocessor-controlled drying system for optimum operating efficiency. It also features the same tilt configuration options and easy access to key electrical and pneumatic components as our 200-lb capacity model.

Benefits

Drying Performance: High production results from this true 310-lb drying tumbler. Fast drying results combined with durability make the AD-310 the perfect match for 250-lb washer extractors.

Fewer Operator Errors: ADC incorporates a state-of-the-art microprocessor control that provides simple and accurate operation. Automatic drying programs take the guesswork out of cycle selection and avoid wasting energy by automatically shutting the dryer off when the load is dry. For optimal performance the control also prompts the operator to clean the lint drawers when necessary.

Durability: Standard stainless steel basket is supported by 11" diameter wheels and incorporates a heavy-duty gearbox as part of the tumbler drive system providing a reliable way to transfer power from the drive motors. These components are easily accessible behind the hinged side panels.

Features

- Standard stainless steel basket
- Internal lint collection drawers
- Heavy-duty four-wheel drum support
- Self-cleaning blower fan
- Self diagnostic microprocessor with patented auto drying feature

Specifications

	Units of Measure	Metric Units
Maximum Capacity (Dry Weight)	310 lb	140.61 kg
Minimum Load Size	205 lb	92.99 kg
Tumbler Diameter	62-1/2"	158.75 cm

Door Opening (Width x Height)	36-3/4" x 43"	93.35 cm x 109.22 cm
Door Sill Height level	36-1/2"	92.71 cm
Door Sill Height rear tilt	53"	134.62 cm
Door Sill Height front tilt	33-1/2"	85.09 cm
Cabinet Operating Depth level (1 door/2 door)	72-3/4" / 78"	184.79 cm / 198.12 cm
Cabinet Width	82-1/2"	209.55 cm
Rear Tilt		15°
Front Tilt		15°
Water Connection		3/4" F.N.P.T.

Gas

Cabinet Rear Tilt Height	122-7/16"	310.99 cm
Cabinet Operating Height level	114-1/4"	290.20 cm
Cabinet Full Tilt Depth	116-7/16"	295.75 cm
Approx. Net Weight	5,000 lb	2,267.96 kg
Approx. Shipping Weight	5,310 lb	2,408.58 kg
Voltage Available		208-575v 3ø 3,4w 50/60 Hz
Tumbler/Drive Motor	5 hp	3.73 kW
Blower/Fan Motor (Rear/Side Exhaust)	15 hp / 25 hp	11.19 kW / 18.64 kW

Burner Blower Motor		N / A
Burner Type		On / Off
Heat Input	1,125,000 Btu/hr	283,495 kcal/hr
Inlet Pipe Connection (Non-Tilt/Tilt)	(2) 1-1/2 M.N.P.T. / 1-1/2" M.N.P.T.	
Maximum Gas Pressure	12 in WC	29.89 mb
Airflow	6,500 cfm	184.06 cmm
Maximum Exhaust Back Pressure	0.3 in WC	0.75 mb
Exhaust Connection (Diameter)	24"	60.96 cm
Compressed Air Pressure	80 psi (± 10 psi)	5.52 bar (± 0.69 bar)
Compressed Air Volume (1-Way/2-Way Tilt)	11 cfh / 11 cfh	0.31 cmh / 0.31 cmh
Compressed Air Connection (Non-Tilt/Tilt)	3/8" F.N.P.T. / 3/8" Quick Connection	

Electric

Voltage Available		
Approximate Net Weight		
Approximate Shipping Weight		
Airflow		
Exhaust Connection (Diameter)		N / A
Compressed Air Connection		
Compressed Air Volume		

Oven Size

Steam

Cabinet Rear Tilt Height	127-1/2"	323.85 cm
Cabinet Operating Height Level	126-1/2"	321.31 cm
Cabinet Full Tilt Depth	113-7/16"	288.13 cm
Approximate Net Weight	5,425 lb	2,460.74 kg
Approximate Shipping Weight	5,735 lb	2,601.35 kg

Blower / Fan Motor	25 hp	18.64 kW
Boiler Horsepower (Normal Load)	35 Bhp	
Supply Connection	2" M.N.P.T.	
Return Connection (Non-Tilt/Tilt)	2" M.N.P.T. / 1-1/4" M.N.P.T.	
Steam Consumption	1,153 lb/hr	522.99 kg/hr
Airflow	8,500 cfm	240.69 cmm
Maximum Exhaust Back Pressure	0.3 in WC	0.75 mb
Exhaust Connection (Diameter)	24"	60.96 cm
Compressed Air Pressure	80 psi (± 10 psi)	5.52 bar (± 0.69 bar)
Compressed Air Volume (1-Way/2-Way Tilt)	11 cfh / 11 cfh	0.31 cmh / 0.31 cmh
Compressed Air Connection (Non-Tilt/Tilt)	3/8" F.N.P.T. / 3/8" Quick Connection	

Electrical Specifications

Volt / Hz / Phase	Gas Models	
	Amps	
	Non-Rev	Rev
208 / 60 / 3	-	61.2
240 / 60 / 3	-	56.5
230 / 50 / 3	-	67.4
380 / 50 / 3	-	35.0
380 / 60 / 3	-	36.6
400 / 50 / 3	-	33.9
416 / 50 / 3	-	33.2
460 / 60 / 3	-	29.1
480 / 60 / 3	-	29.6
575 / 60 / 3	-	23.2

Volt / Hz / Phase	Steam Models	
	Amps	
	Non-Rev	Rev
208 / 60 / 3	-	94.0
240 / 60 / 3	-	85.3
230 / 50 / 3	-	108.8
380 / 50 / 3	-	50.4
400 / 50 / 3	-	51.0
416 / 50 / 3	-	48.6
460 / 60 / 3	-	44.8
480 / 60 / 3	-	43.4
575 / 60 / 3	-	38.0