2001 installed old one

Sales # 269-923-3000

Industrial

AD-410
AD-310
AD-210

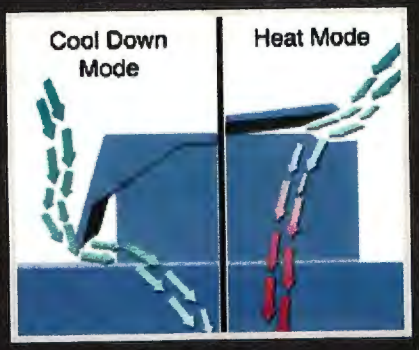
88 Currant Road Fall River, MA 02720-4781 • 508.678.9000 • Fax: 508.678.9447 • Email: sales@adclaundry.com

Capacity, economy and the famous ADC quality. The AD-410, AD-310, and AD-210 offer it all

The AD-410, AD-310, and AD-210 (available in gas or steam heat) are the latest in the series of industrial dryers from ADC built upon the principle of large capacity and swift production at an affordable price. With full capacity tumblers and various door and tilt configurations, you are assured the ability to dry fast and efficiently . . . without the large price tag. A unique design for demanding applications.

Gas Heated

ADC gas-fired models utilize atmospheric burners and direct spark ignition for fast response and maximum efficiency.

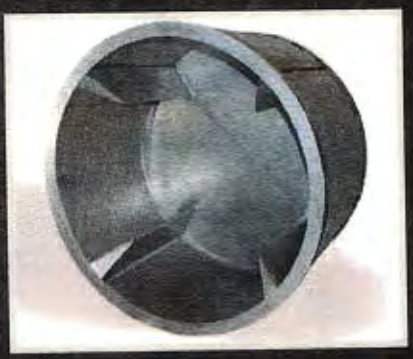


Steam Heated

Steam-heated models utilize high airflow and the trademark ADC steam damper system. The steam damper directs air with a damper, not a valve, for instant heat and cooling. A big improvement over the steam coil abuse caused by valve-operated systems.

Self-Cleaning Blower

All the ADC large capacity dryers use a self-cleaning blower system. By directing compressed air at the fan blades at the end of each drying cycle, any lint buildup that could cause a fan imbalance is removed. This extends fan and bearing life.



Stainless Steel Basket Standard

ADC uses a 14-gauge stainless steel basket supported on machined tumbler rings for durability and smooth tumbler rotation. Stainless steel baskets are an expensive option from other manufacturers.

11" Diameter Drive Wheels

The drive wheels that support and drive the drums for the AD-410, AD-310, and AD-210 dryers are 11" in diameter and are located at four supporting points. The wheels are located outside the heat flow, creating minimal wear.

Computer Controlled

The ADC computer combines 24-volt controls and preprogrammed cycles for electronic reliability and one-touch drying. Press any of the preprogrammed keys for either a timed or automatic cycle. The automatic cycles will dry the load to a specified moisture level.

Lint Drawer

At ADC, another unique feature is a lint drawer located in front of the exhaust fan. This prevents lint from clogging the fan, which causes damaging vibration. This also eliminates the need for costly external lint collectors and reduces lint fire concerns. Many competitors collect lint after it passes the blower.

Heavy-Duty Gear Box

These large capacity ADC dryers use a heavy-duty gear box as part of their tumbler drive system. A reliable way to transfer power from the drive motors to the tumblers, these components are easily accessible behind hinged front panels.

Door/Tilt Configurations

The AD-410, AD-310, and AD-210 dryers are offered in one-way tilt (forward or rear) and two-way tilt as well as single door or pass-through models. Air-operated auto load doors or manual load doors are available.

		AD-210 Non Tilt	AD-210 2-Way Tilt	AD-310	AD-410
Maximum Capacity (Dry Weight)		200 lb (90.72 kg)	200 lb (90.72 kg)	310 lb (140.61 kg)	410 lb (185.97 kg)
Tumbler Diameter		62-1/2" (158.75 cm)	62-1/2" (158.75 cm)	62-1/2" (158.75 cm)	68-3/4" (174.63 cm)
Tumbler Depth		42" (106.7 cm)	42" (106.7 cm)	60" (152.40 cm)	66-3/8" (168.61 cm)
Tumbler Volume		74.5 cu ft (2,109.60 L)	74.5 cu ft (2,109.60 L)	106.50 cu ft (3015.744 L)	143 cu ft (4049.309 L)
Tumbler/Drive Motor		3 hp (2.24 kW)	3 hp (2.24 kW)	5 hp (3.73 kW)	7-1/2 hp (5.59 kW)
Door Opening*		36-3/4" w x 43" h (93.3 cm x 109.2 cm)	36-3/4" w x 43" h (93.3 cm x 109.2 cm)	36-3/4" x 43" (93.35 cm x 109.22 cm)	38" w x 50" h (96.52 cm x 127 cm)
Door Sill Height - Level		36-1/2" (94.6 cm)	37-1/4" (94.6 cm)	36-1/2" (92.71 cm)	39-3/4" (100.97 cm)
Compressed Air Volume		3.25 cfh (0.25 cmh)	9 cfh (0.25 cmh)	11 cfh (0.31 cmh	1-way - 5-1/2 cfh (0.16 cmh) 2-way - 7 cfh (0.2 cmh)
Compressed Air Connection**		1/8" F.N.P.T.	3/8" F.N.P.T.	3/8" F.N.P.T. / 3/8" Quick Connection	3/8" F.N.P.T.
Exhaust Connection (Diameter)		20" (50.8 cm)	20" (50.8 cm)	24" (60.96 cm)	28" (71.12 cm)
Water Connection***		3/4" F.N.P.T.	3/4" F.N.P.T.	3/4" F.N.P.T.	1" F.N.P.T.
Gas	Voltage Available	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz
Gas	Blower/Fan Motor (Rear / Side Exhaust)	7-1/2 hp / 15 hp (5.6 kW / 11.2 kW)	7-1/2 hp / 15 hp (5.6 kW / 11.2 kW)	15 hp / 25 hp (11.19 kW / 18.64 kW)	15 hp (11,2 kW)
Gas	Approx. Net Weight	3,033 lb (1,376 kg)	3,370 lb (1,529 kg)	5,000 lb (2,267.96 kg)	6,300 lb (2,857.63 kg)
Gas	Approx. Shipping Weight	3,195 lb (1,449 kg)	3,670 lb (1,664 kg)	5,310 lb (2,408.58 kg)	6,800 lb (3,084.43 kg)
Gas	Heat Input	650,000 Btu/hr (163,810 kcal/hr)	650,000 Btu/hr (163,810 kcal/hr)	1,125,000 Btu/hr (283,495 kcal/hr)	1,400,000 Btu/hr (352,794 kcal/hr)
Gas	Airflow 50 Hz / 60 Hz	5,300 cfm (150.08 cmm)	5,300 cfm (150.08 cmm)	6,500 cfm (184.06 cmm)	9,200 cfm (260.52 cmm)
Gas	Inlet Pipe Connection	1-1/2" F.N.P.T.	1-1/2" F.N.P.T.	(2) 1-1/2 M.N.P.T. / 1-1/2" M.N.P.T.	1-1/2" F.N.P.T.
Steam	Voltage Available	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz	208-575v 3ø 3,4w 50/60 Hz
Steam	Blower/Fan Motor	15 hp (11.2 kW)	15 hp (11.2 kW)	25 hp (18.64 kW)	25 hp (18.7 kW)
Steam	Approx. Net Weight	3,275 lb (1,486 kg)	3,625 lb (1,644 kg)	5,425 lb (2,460.74 kg)	6,800 lb (3,084.43 kg)
Steam	Approx. Shipping Weight	3,437 lb (1,559 kg)	3,925 lb (1,780 kg)	5,735 lb (2,601.35 kg)	7,300 lb (3,311.22 kg)
Steam	Airflow 50 Hz 60 Hz	5,417 cfm (153,38 cmm) 6,500 cfm (184.06 cmm)	5,417 cfm (153,38 cmm) 6,500 cfm (184.06 cmm)	8,500 cfm (240.69 cmm)	10,300 cfm (291.66 cmm)
Steam	Steam Consumption	890 lb/hr (404.5 kg/hr)	890 lb/hr (404.5 kg/hr)	1,153 lb/hr (522.99 kg/hr)	1,257 lb/hr (570.17 kg/hr)
Steam	Operating Steam Pressure	125 psi max (8.6 bar)	125 psi max (8.6 bar)	80 psi (± 10 psi) (5.52 bar (± 0.69 bar)	125 psi max (8.62 bar)
Steam	Boiler Horsepower (Normal Load)	27 Bhp	27 Bhp	35 Bhp	42 Bhp
Steam	Supply Connection	2" M.N.P.T.	1-1/2" M.N.P.T.	2" M.N.P.T.	2" M.N.P.T.
Steam	Return Connection	2" M.N.P.T.	3/4" M.N.P.T.	2" M.N.P.T. (Non-Tilt) 1-1/4" M.N.P.T. (Tilt)	1-1/4" M.N.P.T.

Shaded areas are stated in metric equivalents

* Height is 43-inches (109.22 cm) maximum at the center of the door.

** Dryer must be provided with clean, dry and regulated 80 psi +/- 10 psi (5.51 bar +/- 0.69 bar) air supply.

*** Water supply must be 40 psi +/- 20 psi (2.75 bar +/- 1.37 bar) for fire supporession system to operate properly.

American Dryer Corp.

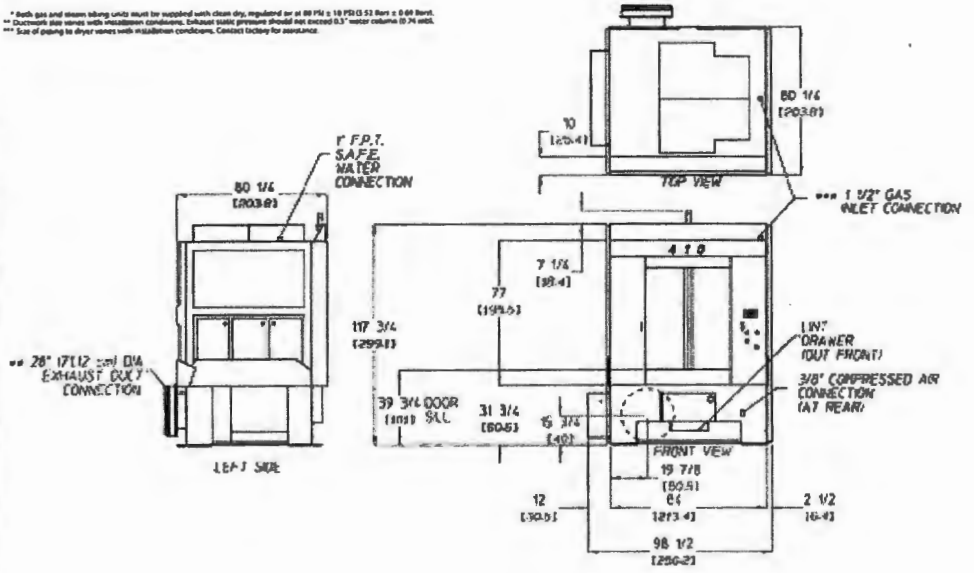
88 Currant Road, Fall River, MA 02720-4781 • (508) 678-9000 • Fax (508) 678-9447 • www.adclaundry.com

AD-410 Models

AD-410				
MAXIMUM CAPACITY (DRY WEIGHT)			410 lb	185.97 kg
TUMBLER DIAMETER			68-3/4"	174.63 cm
TUMBLER DEPTH			66-3/8"	168.61 cm
TUMBLER VOLUME			143 cu ft	4049.309 L
TUMBLER/DRIVE MOTOR			7-1/2 hp	5.59 kW
BLOWER/FAN MOTOR (GAS/STEAM)			15 hp / 25 hp	11.2 kW / 18.7 kW
DOOR OPENING			38"w x 50"h	96.52 cm x 127 cm
DOOR SILL HEIGHT			39-3/4"	100.97 cm
WATER CONNECTION			1" F.N.P.T.	
DRYERS PER 20'/40' CONTAINER			1 / 3	
DRYERS PER 48'/53' TRUCK			3 / 4	
Gas	VOLTAGE AVAILABLE		208-575v 3ø 3,4w 50/60 Hz	
	APPROX. NET WEIGHT		6,300 lb	2,857.63 kg
	APPROX. SHIPPING WEIGHT		6,800 lb	3,084.43 kg
	AIRFLOW		9,200 cfm	260.52 cmm
	HEAT INPUT		1,400,000 Btu/hr	352,794 kcal/hr
	EXHAUST CONNECTION (DIAMETER)		28"	71.12 cm
	COMPRESSED AIR CONNECTION		3/8" F.N.P.T.	
	COMPRESSED AIR VOLUME (1-WAY / 2-WAY)		5-1/2 cfh / 7 cfh	0.16 cmh / 0.2 cmh
	INLET PIPE CONNECTION		1-1/2" F.N.P.T.	
Electric	VOLTAGE AVAILABLE		N/A	
	APPROX. NET WEIGHT			
	APPROX. SHIPPING WEIGHT			
	AIRFLOW			
	EXHAUST CONNECTION (DIAMETER)			
	COMPRESSED AIR CONNECTION			
	COMPRESSED AIR VOLUME (1-WAY/2-WAY)			
	OVEN SIZE			
	kW	Btu/hr kcal/hr		
Steam	VOLTAGE AVAILABLE		208-575v 3ø 3,4w 50/60 Hz	
	APPROX. NET WEIGHT		6,800 lb	3,084.43 kg
	APPROX. SHIPPING WEIGHT		7,300 lb	3,311.22 kg
	AIRFLOW		10,300 cfm	291.66 cmm
	STEAM CONSUMPTION		1,257 lb/hr	570.17 kg/hr
	OPERATING STEAM PRESSURE		125 psi max	8.62 bar
	EXHAUST CONNECTION (DIAMETER)		28"	71.12 cm
	COMPRESSED AIR CONNECTION		3/8" F.N.P.T.	
	COMPRESSED AIR VOLUME (1-WAY / 2-WAY)		5-1/2 cfh / 7 cfh	0.16 cmh / 0.2 cmh
	BOILER HORSEPOWER (NORMAL LOAD)		42 Bhp	
	SUPPLY CONNECTION		2" M.N.P.T.	
	RETURN CONNECTION		1-1/4" M.N.P.T.	

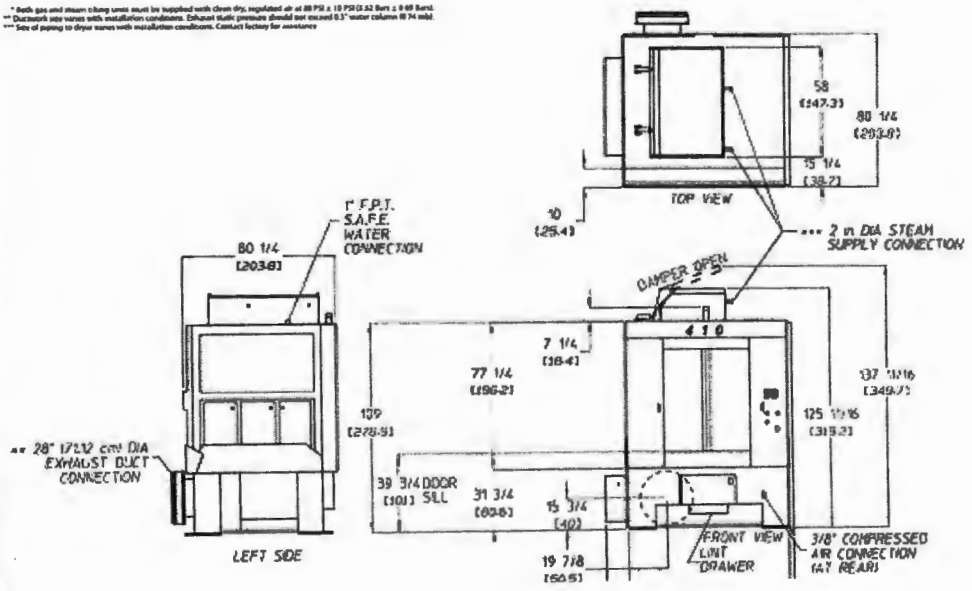
Shaded areas are stated in metric equivalents.

AD-410 NON-TILT* 1-DOOR GAS MODEL



Gas, 1-Door, All-Tilt, *Rear Exhaust* - Electrical Service Specifications							
IMPORTANT: 208 VAC and 230/240 VAC are not the same. When ordering, specify voltage.							
NOTES: A. Circuit breakers are thermal/magnetic (industrial) motor curve type **ONLY.** For others, calculate/verify correct breaker size according to appliance amp draw rating and type of breaker to be used. B. Circuit breakers for 3ø dryers must be 3-pole type.							
Voltage	**Phase**	**Wire Service**	**Hz**	**Total Current**	**Circuit Breaker**	**Fuse**	**Wire Size**
208	3	3/4	60	70	100	100	3
220	3	3	60	68	100	100	3
240	3	3	60	66	90	90	3
230	3	3	60	66	90	90	3
460	3	3	60	34	60	60	6
480	3	3	60	34	60	60	6
575	3	3	60	27	45	45	8
230	3	3	50	75	100	100	3
380	3	3/4	50	39	60	60	6
400	3	3/4	50	37	60	60	6
416	3	3/4	50	37	60	60	6

AD-410 NON-TILT* 1-DOOR STEAM MODEL



Steam, All-Door, All-Tilt, *Side Exhaust* - Electrical Service Specifications							
IMPORTANT: 208 VAC and 230/240 VAC are not the same. When ordering, specify voltage.							
NOTES: A. Circuit breakers are thermal/magnetic (industrial) motor curve type **ONLY.** For others, calculate/verify correct breaker size according to appliance amp draw rating and type of breaker to be used. B. Circuit breakers for 3ø dryers must be 3-pole type.							
Voltage	**Phase**	**Wire Service**	**Hz**	**Total Current**	**Circuit Breaker**	**Fuse**	**Wire Size**
208	3	3/4	60	103	150	150	1/0
230	3	3	60	95	150	150	1/0
240	3	3	60	88	125	125	--
380	3	3	60	60	80	80	--
460	3	3	60	48	70	70	4
480	3	3	60	48	70	70	4
575	3	3	60	38	60	60	6
230	3	3	50	98	150	150	1/0
380	3	3/4	50	54	80	80	4
400	3	3/4	50	54	80	80	4
416	3	3/4	50	53	80	80	4

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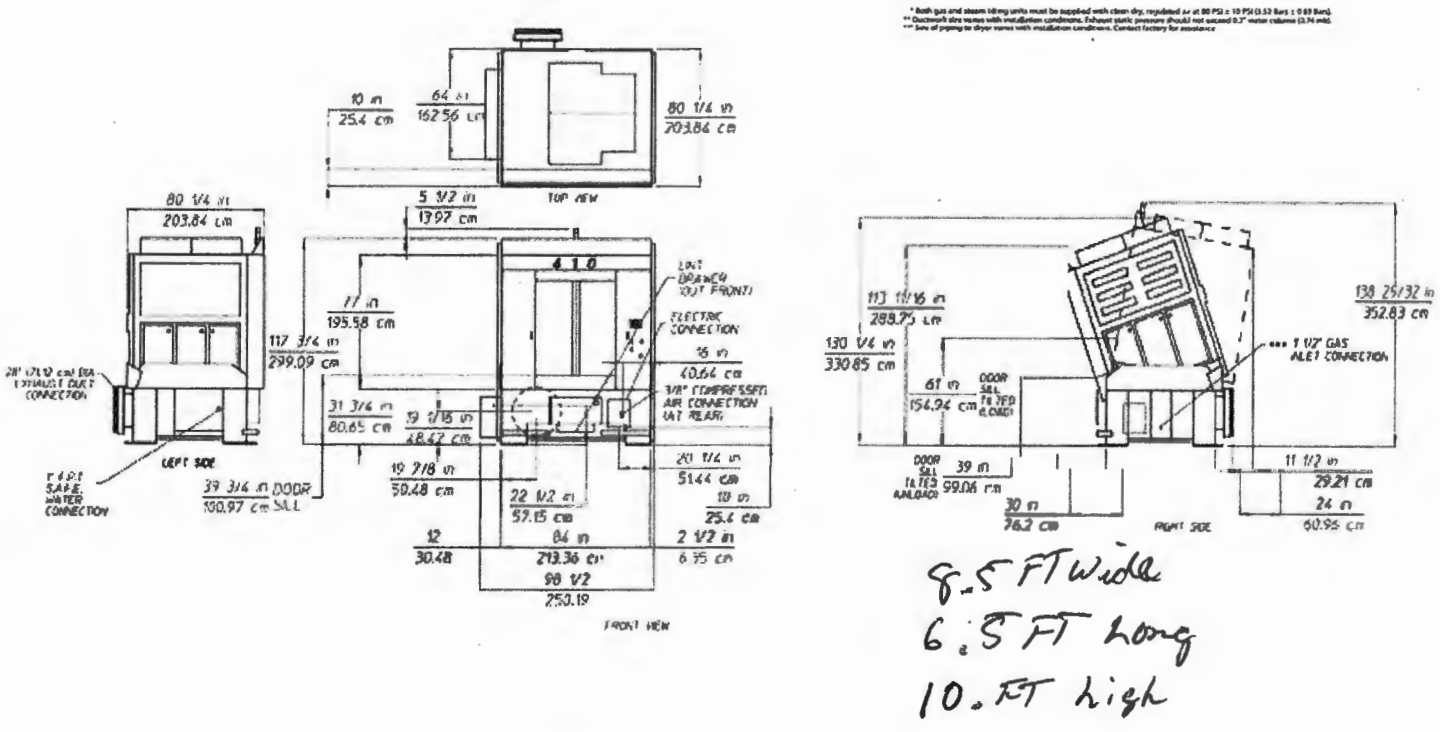
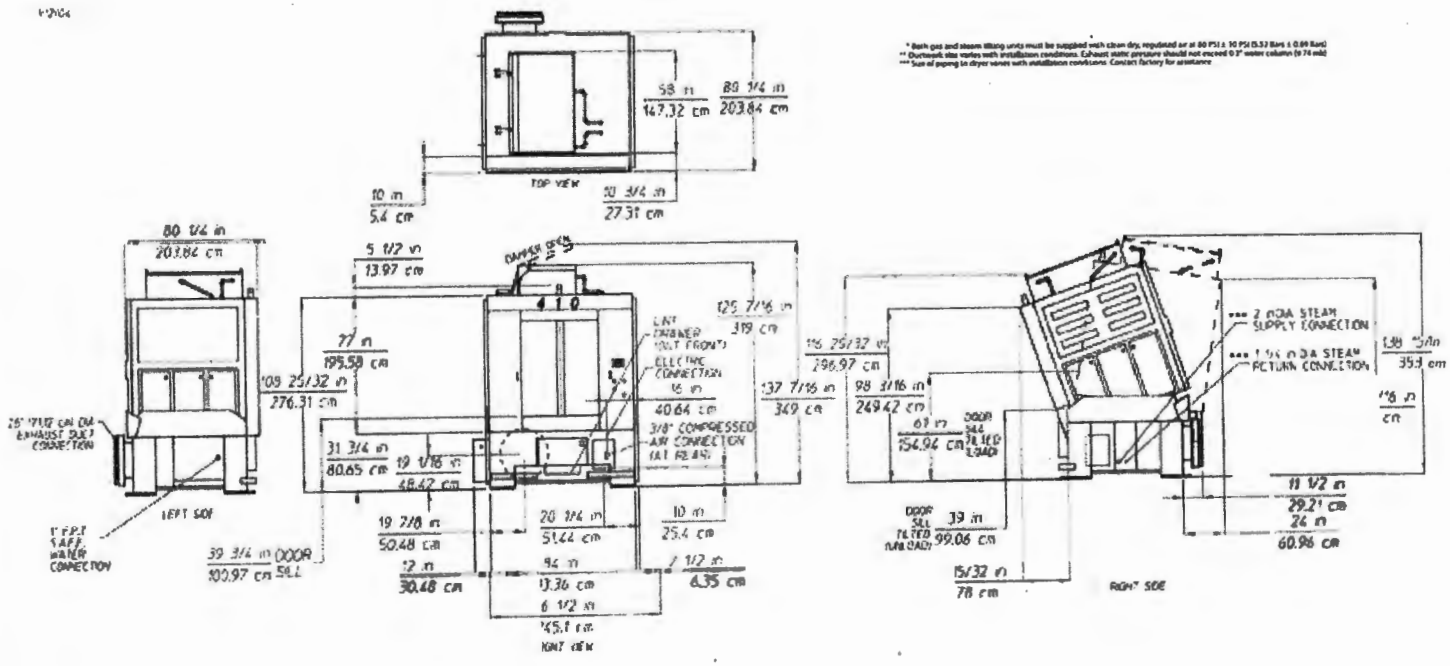
This dollar amount is for adding the 2-way tilt to the machine. $19,836.00

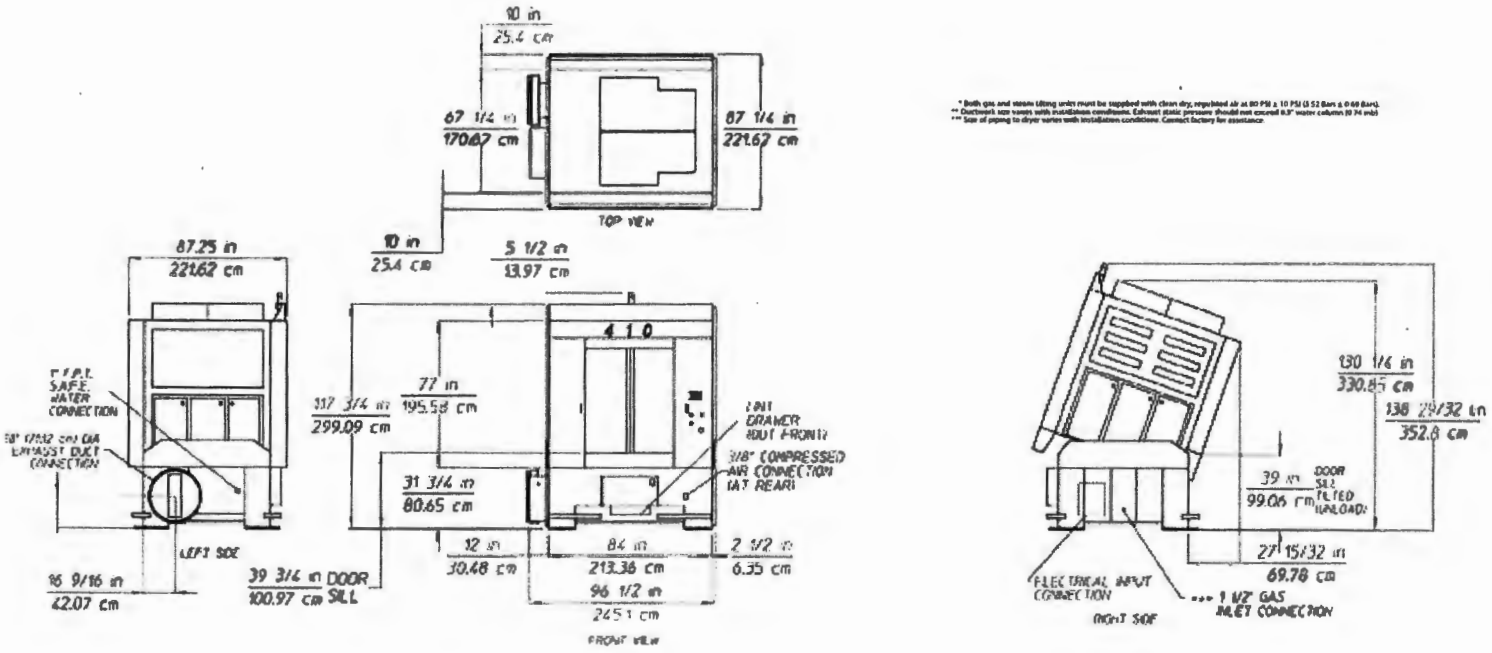
AD-410 TILTING* 1-DOOR/2-WAY TILT GAS MODEL



AD-410 TILTING* 1-DOOR/2-WAY TILT STEAM MODEL



AD-410 TILTING* 2-DOOR/REAR-TILT GAS MODEL



* Both gas and steam tilting units must be supplied with clean dry, regulated air at 80 PSI ± 10 PSI (5.52 Bars ± 0.68 Bars).
** Ductwork size varies with installation conditions. Exhaust static pressure should not exceed 0.5" water column (0.74 mbar).
*** See of piping to dryer varies with installation conditions. Connect factory for assistance.

AD-410 TILTING* 2-DOOR/REAR-TILT GAS MODEL

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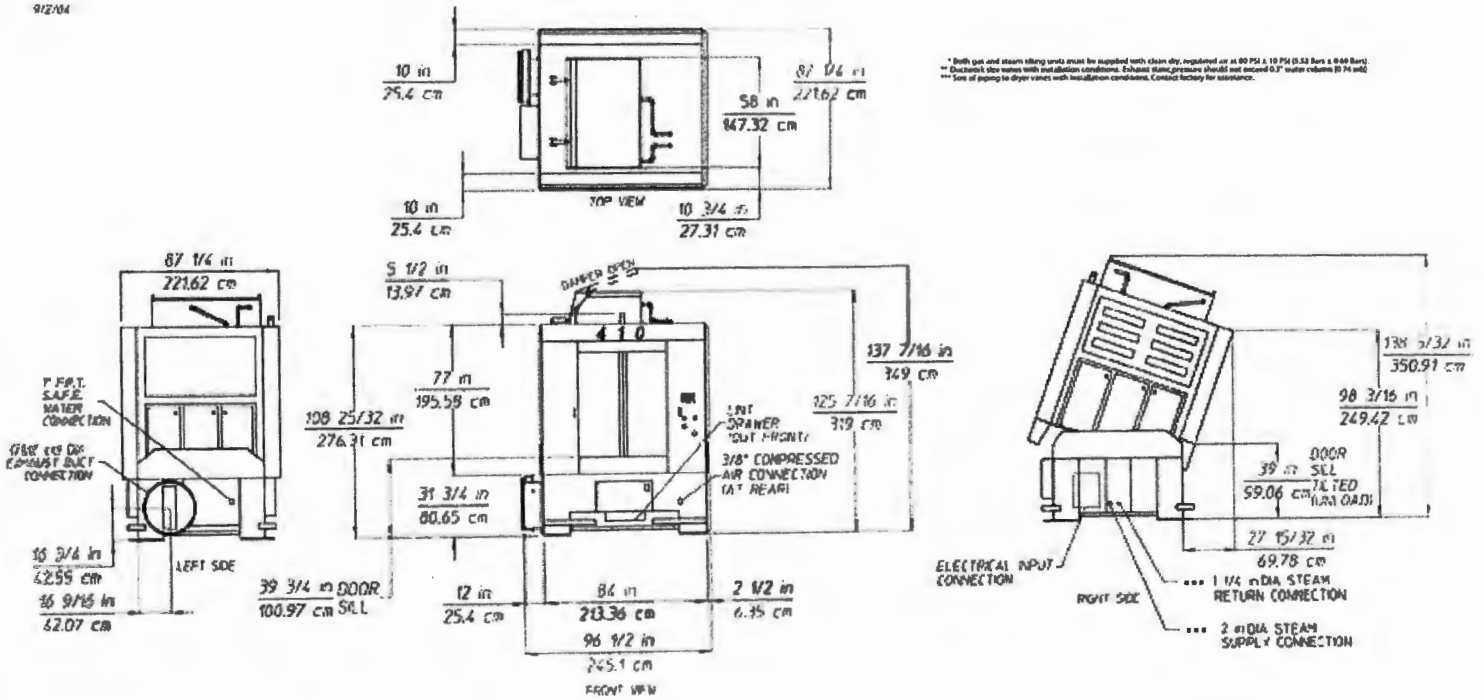
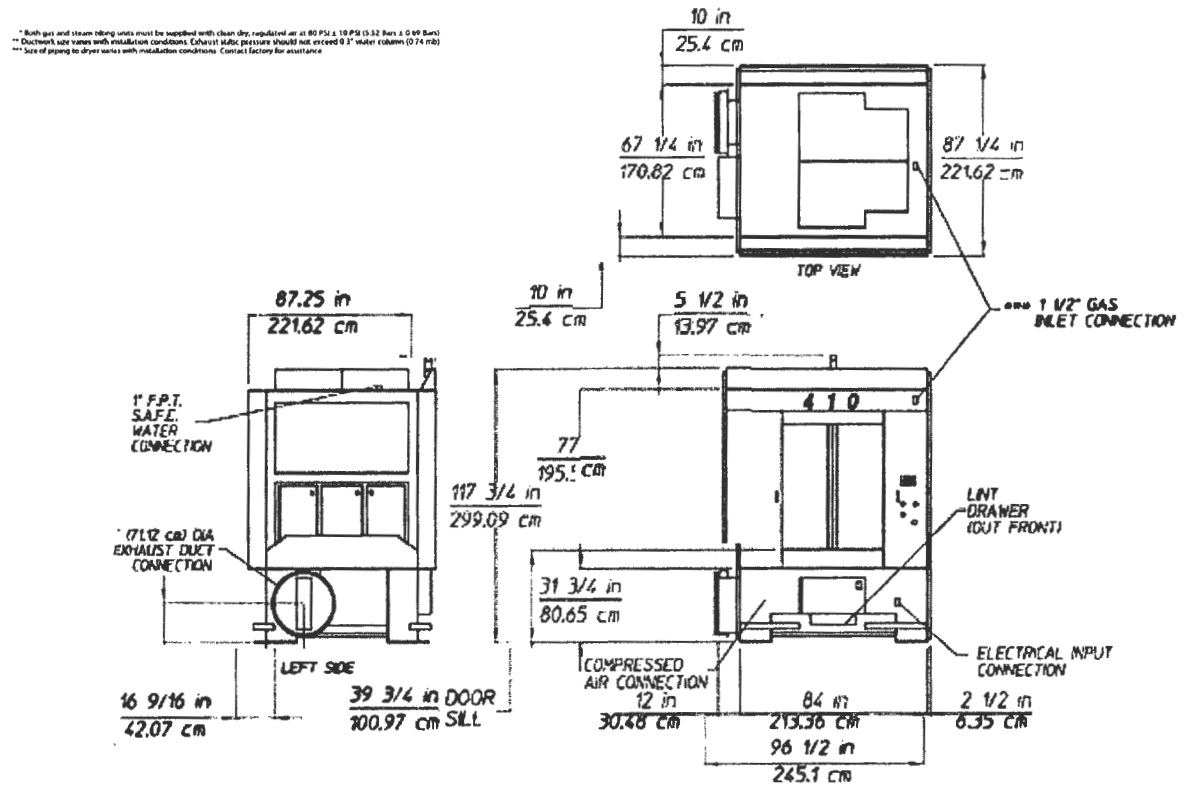
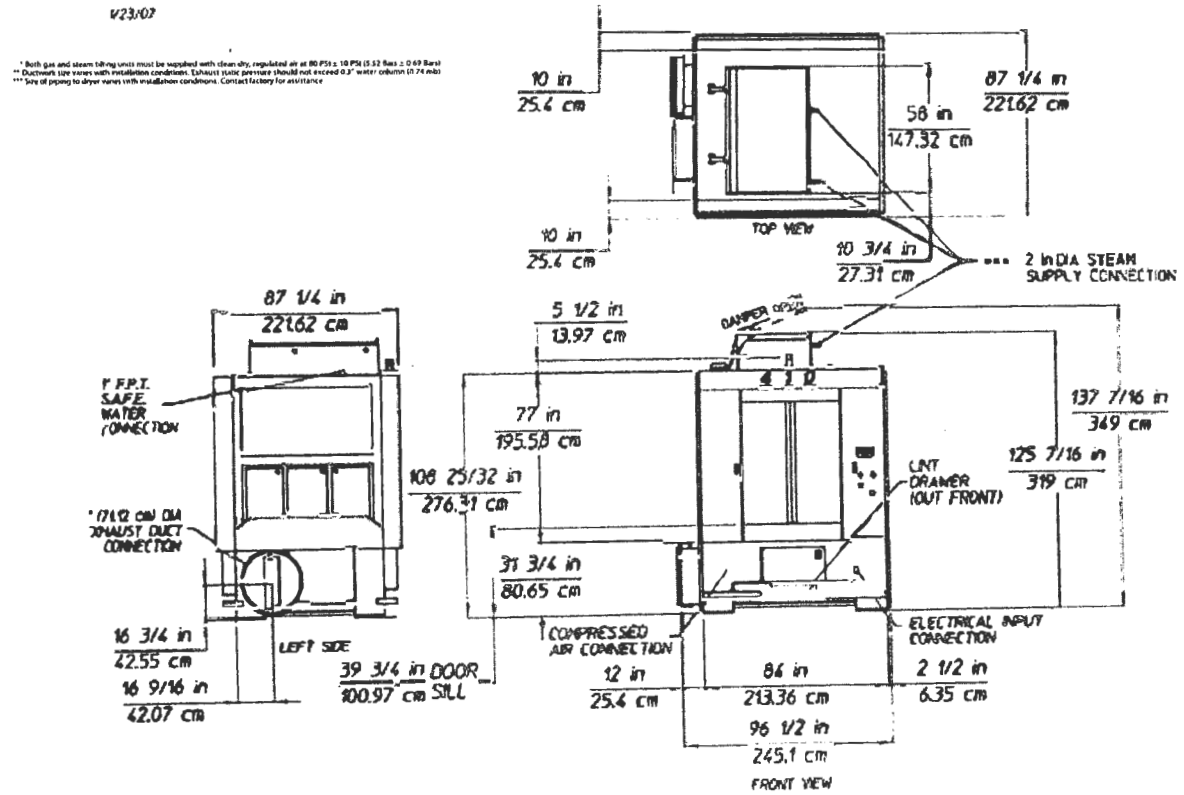


* Both gas and steam tilting units must be supplied with clean dry, regulated air at 80 PSI ± 10 PSI (5.52 Bars ± 0.68 Bars).
** Ductwork size varies with installation conditions. Exhaust static pressure should not exceed 0.5" water column (0.74 mbar).
*** See of piping to dryer varies with installation conditions. Connect factory for assistance.

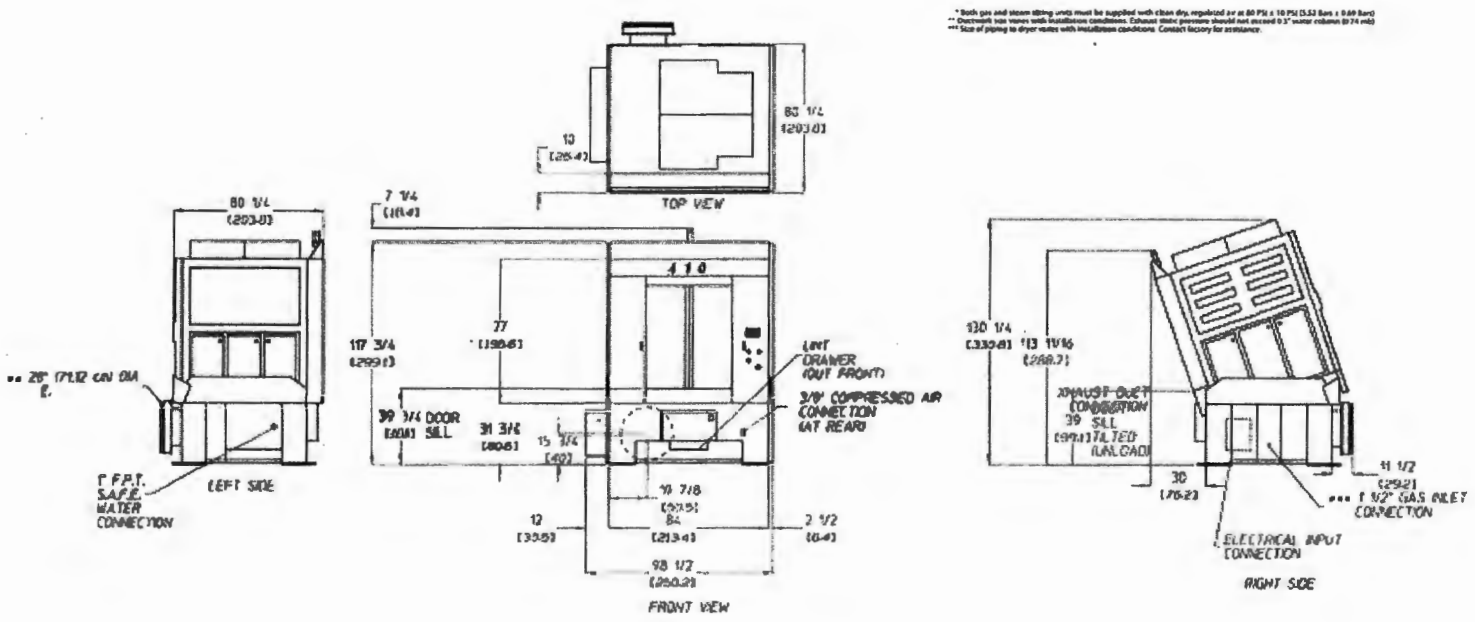
AD-410* 2-DOOR GAS MODEL



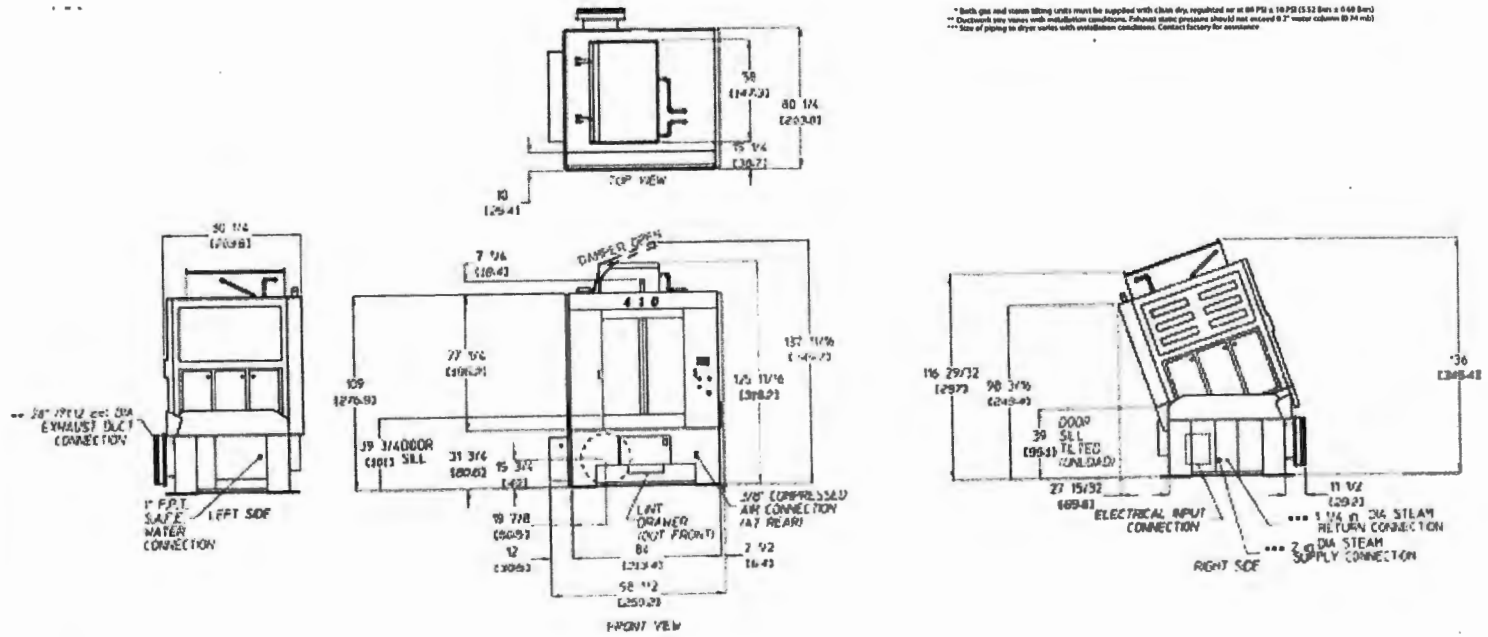
AD-410* 2-DOOR STEAM MODEL



AD-410 TILTING* 1-DOOR/FORWARD-TILT GAS MODEL



AD-410 TILTING* 1-DOOR/FORWARD-TILT STEAM MODEL



AMERICAN DRYER CORPORATION
COMMERCIAL DRYER WARRANTY

Domestic (U.S. & Canada)

Effective April, 2015

IMPORTANT: READ THIS WARRANTY CAREFULLY

The American Dryer Corporation warrants all new equipment (and the original parts thereof manufactured by ADC) to be free from defects in material or workmanship for a period of 3 years from the date of sale, but in no event more than 3-1/2 years from the date of manufacture thereof, except as hereinafter provided.

All ADC equipment and parts are to be purchased solely for commercial or industrial use.

This warranty extends only to the original purchaser of ADC products and to those persons who, under applicable state law, are entitled to rely hereon as third party beneficiaries, but in no event shall ADC be liable for property damage sustained by such a third party beneficiary if said applicable state law contemplates such liability but permits its exclusion.

With respect to all new repair or replacement parts for equipment manufactured by ADC for which the 3 year warranty period has expired or for all new repair or replacement parts for equipment not manufactured by ADC, the warranty period is limited to 90 days from the date of sale. The warranty period on each new replacement part furnished by ADC in fulfillment of the warranty on all new replacement parts shall be for the unexpired portion of the original warranty period on the part replaced.

With respect to lint screens, V-belts, gaskets, fuses, and other accessories furnished with the new equipment but not manufactured by ADC, the warranty is limited to 1 year.

ADC's total liability arising out of the manufacture and sale of new equipment and parts, whether under the warranty or caused by ADC's negligence or otherwise, shall be limited to ADC repairing or replacing, at its option, any defective equipment or part returned f.o.b. ADC's factory, transportation prepaid, within the applicable warranty period and found by ADC to have been defective. The liability of ADC does not include furnishing or paying for any labor such as that required to service, remove, or install; to diagnose troubles; to adjust, remove, or replace defective equipment or a part; nor does it include any responsibility for transportation or insurance or other related expense which is involved therein.

With respect to dryers manufactured with a steam coil, said steam coil warranty is subject to a prorated use charge from date of dryer purchase or date of manufacture, whichever is applicable. The dryer owner making a warranty claim for a steam coil may elect to purchase a new steam coil under ADC's "No Return Program" at a reduced price or return the claimed coil (after receiving written authorization from ADC) at the dryer owner's expense for evaluation and warranty verification by ADC and the steam coil manufacturer. Steam coils are subject to all provisions of the Dryer Warranty.

Under the "No Return Program," the price to the dryer owner will be:

1 - 6 months	Net price less 80% + shipping charges
7 - 12 months	Net price less 75% + shipping charges
13 - 24 months	Net price less 70% + shipping charges
25 - 30 months	Net price less 63% + shipping charges

If a steam coil is returned for evaluation and found to have failed due to material or workmanship, the price of a replacement steam coil will be:

1 - 12 months	No charge (dryer owner is responsible for shipping charges)
13 - 24 months	Net price less 85% + shipping charges
25 - 30 months	Net price less 78% + shipping charges

If a steam coil is returned for evaluation and found to have failed due to reasons other than manufacturers' defect in material or workmanship (operated under pressures, plumbing, or conditions other than those specified by ADC as outlined below), the dryer owner is not eligible for steam coil pricing under the "No Return Program."

The warranty of ADC is conditioned upon installation and use of its equipment under normal operating conditions. The warranty is void on equipment or parts: that have been subjected to misuse, accident, or negligent damage; operated under loads, pressures, speeds, electrical connections, plumbing, or conditions other than those specified by ADC; operated or repaired with other than genuine ADC replacement parts; damaged by fire, flood, vandalism, or such other causes beyond the control of ADC; altered, or repaired in any way that affects the reliability or detracts from its performance; which have had the identification plate or serial number altered, effaced, or removed; or which have been located in the proximity of dry cleaning machines and/or perchloroethylene.

No defective equipment or part may be returned to ADC for repair or replacement without prior written authorization from ADC. Charges for unauthorized repairs will not be accepted or paid by ADC.

This warranty may only be amended, waived, or extended by written document signed by an authorized officer of ADC. The waiver by ADC of any individual limitation of this warranty shall not operate as a waiver of any other limitation of this warranty or of any future right, power, or privilege of ADC.

ADC is not responsible for any injury, property damage, or other consequential or incidental damages arising directly or indirectly from the purchase or use of its products or from any defect in material or workmanship.

ADC makes no other express or implied warranty, statutory or otherwise, concerning the equipment, parts, or service, including, without limitation, a warranty of fitness for a particular purpose, a warranty of merchantability, or any other implied warranties which may arise from course of dealing or usage of trade. The warranties given here are expressly in lieu of all other warranties, express or implied. ADC neither assumes, nor authorizes any person to assume for it, any other warranty or liability in connection with the manufacture, use, or sale of its equipment or parts.

For warranty service, contact the reseller from whom the ADC equipment or part was purchased.
If the reseller cannot be reached, contact ADC at 88 Currant Road, Fall River, MA 02720-4781, attention Service Department.

American Dryer Corp.

ADC Part No. 112385
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