



Four Loads Per Hour

Productivity is the benchmark by which all large tumblers are measured. The MD-464 can dry up to four loads per hour of terry towels*. With its 175 cu. ft. basket, 2.8 million Btu/hr, and 13,000 cfm, this performer will show immediate returns through added productivity.

The MD-464 is an industrial grade dryer suited to batch, conventional, and overhead sling conveyor operations. MaxiDry offers the laundry manager the highest possible level of flexibility, fast drying, and safety.

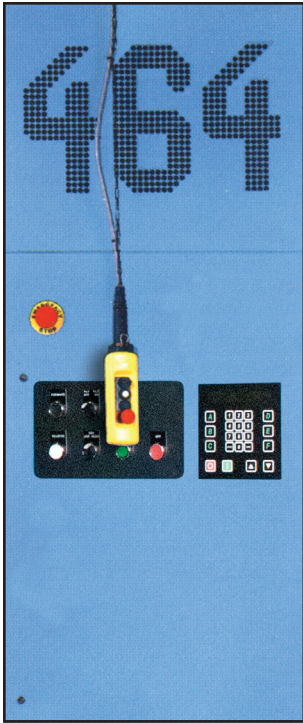
We manufacture the MD-464 as an "all-inclusive" machine. MaxiDry incorporates as standard every feature necessary for proper operation. Our competitors prefer to offer their machines as stripped down. They add important features, such as, sprinkler systems**, computer controls, insulation, rotational sensors, and even lint collection systems as expensive options.

The MD-464 is constructed and can be shipped in two (2) or four (4) modules, easily integrated at the installation site using simple, military spec, quick-connect plugs.

* Test results may vary by location. In-house test results are available upon request

** Sprinkler system standard on MaxiDry steam model.





Front Control Panel

The Control Module

The MD-464 controls are composed of two (2) basic sections: the drying controls and the load/unload controls. At the heart of the drying controls is an industrial grade highly reliable, easy-to-program computer. The computer or PLC (programmable logic controller) maintains a complete array of self-diagnostics throughout the dryer to assure that all components are operating properly. The computer allows the

operator to access a "system program" mode which determines functions such as load/unload positioning and spin/dwell times. The "pre programmed cycle" mode is the one in which actual programming of parameters to six (6) different drying cycles can be entered, either in the manual timed mode or our patented automatic, percentage dryness mode.

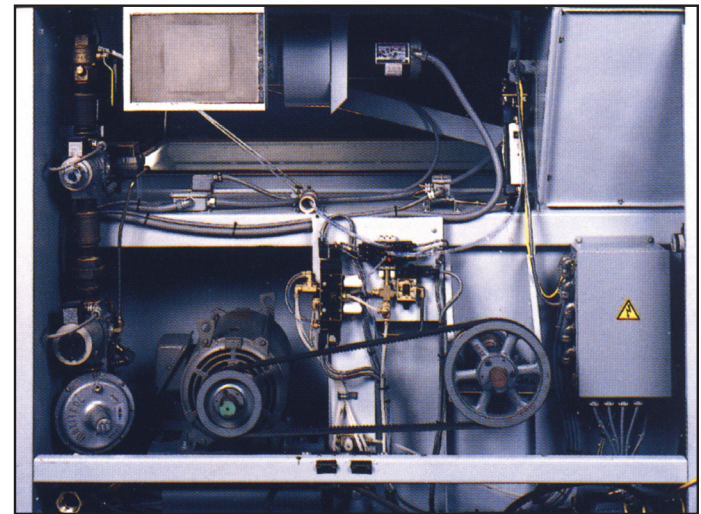
The load/unload functions are handled by front and rear panel controls. An optional front pendant is available. They are designed to enable to operator to load or unload the dryer from the front or rear safely and easily. In general, the MD-464 PLC oversees the proper running of all functions, such as, drying cycles, load/unload, lint collection and air recirculation. As a benefit to the service technician, all computer and electrical wiring is neatly arranged within the main control module for easy access.

The MD-464 PLC has our unique "anti-wrinkle" feature already programmed into each cycle. With "anti-wrinkle," the dryer is programmed to tumble without heat should the attendant not be aware that the cycle is finished. As a result, the load is finished without wrinkles, and the possibility of spontaneous combustion is greatly reduced.

The Basket/Drive System Module & Blower Motor

A true 460-lb. capacity is assured by the 175 cu. ft. basket, which is stabilized front to back by eight (8) retaining wheels. The MD-464 dryer's standard basket is stainless steel and is machined to assure that the heavy-gauge basket rings are true in diameter and flatness. The basket is rotated by 11-inch diameter drive wheels mounted on 2-inch steel shafts which are powered by a 7-1/2 hp totally enclosed motor.

The entire basket module, both sets of doors, all control panels, burner chamber, and exhaust duct come fully insulated as standard to ensure maximum heat efficiency and noise suppression.

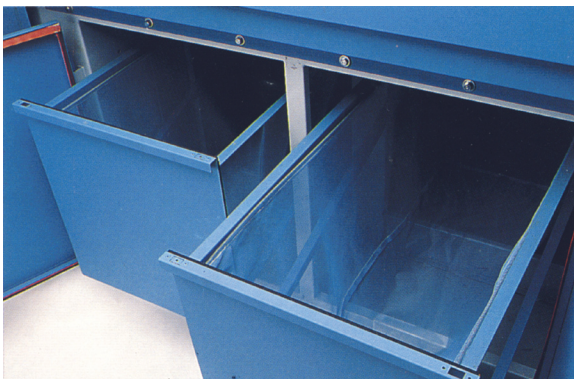


An impressive drying time and finish is achieved by coupling a 25 hp totally enclosed blower motor which moves 13,000 cfm of air with our energy-saving air recirculation system. As soon as a pilot flame is established, the pneumatic air reclaimer goes to work and stays in operation during the entire heating cycle. Our system achieves a 17% rate of hot air reclamation, thereby drastically reducing energy costs.

The MDG-464 Burner

The MDG-464 gas burner delivers an efficient 2.8 million Btu/hr. It is controlled via the PLC by a burner control module that ensures that all safety checks have been adequately satisfied. Once the spark ignition system establishes a pilot flame, the heat reclaimer is activated, and the gas valves begin operating to maintain the flame. As a safety precaution, we have designed our gas valve system to prevent sudden surges of gas into the burner. When ready, the first of two (2) motorized valves open. Once fully opened, the second does the same.

Standard Lint Drawers



Of utmost importance to any dryer, but especially to one of the high-capacity class, is the extraction of lint.

Standard on the MD-464 for lint removal are two lint drawers located directly under the basket and accessed from the left side of the dryer (when viewed from the front of the dryer).

Automatic Fan Cleaning

Only MaxiDry incorporates an automatic compressed air fan cleaning system. Some dryers require that their fans be cleaned on a daily basis; others require multiple cleanings per day. MaxiDry filters the exhaust air prior to the fan, eliminating almost all debris that would collect on the fan. At the end of each cycle, a powerful blast of compressed air removes any tiny particles that might collect and throw the fan out of balance or reduce airflow through the dryer and cause inefficiency or possibly a fire.

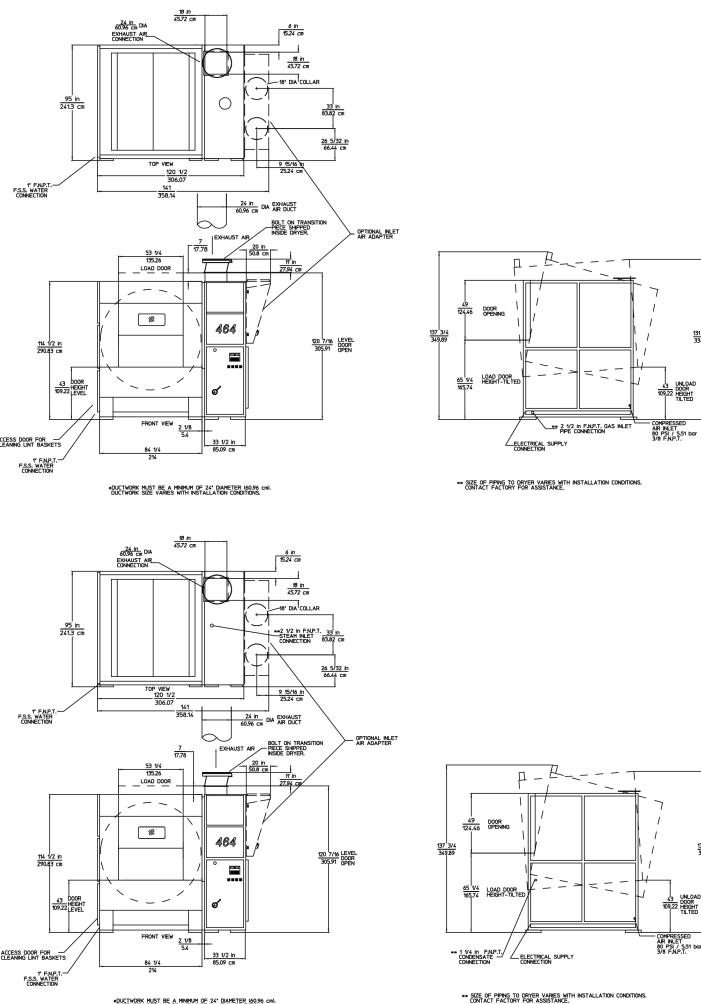
The MDS-464 Steam-Heated Dryer

For the industrial steam laundry operation, we offer the MDS-464 which incorporates the exclusive MaxiDry air-operated steam damper system. This system greatly extends the life of the rugged coil since it is constantly charged with steam. To protect against lint buildup at the coil, it is protected with its own lint screen. This damper system also provides the dryer with an instant source of heat, as well as cool down. Our recirculation package is standard on the ADS-464; thus, maximum heat utilization is assured.

MD-464 Models

MD-464			
GAS	MAXIMUM CAPACITY (DRY WEIGHT)	460 lb	208.65 kg
	MINIMUM LOAD SIZE	250 lb	113.40 kg
	TUMBLER DIAMETER	69-1/8"	175.59 cm
	TUMBLER DEPTH	80-5/16"	203.99 cm
	TUMBLER VOLUME	175 cu ft	4955.44 L
	DOOR OPENING (WIDTH X HEIGHT)	53-1/4" x 49"	135.26 cm x 124.46 cm
	DOOR SILL HEIGHT, LEVEL	45"	114.30 cm
	DOOR SILL HEIGHT, REAR TILT	43-3/4"	111.13 cm
	DOOR SILL HEIGHT, FRONT TILT	65-5/8"	166.70 cm
	CABINET OPERATING DEPTH, LEVEL (1 DOOR/2 DOOR)	95" / 95"	241.30 cm / 241.30 cm
STEAM	CABINET WIDTH	122"	309.88 cm
	REAR TILT	15°	
	FRONT TILT	15°	
	WATER CONNECTION	1" F.N.P.T.	
	CABINET REAR TILT HEIGHT	138-1/4"	351.16 cm
	CABINET OPERATING HEIGHT, LEVEL	121"	307.34 cm
	CABINET FULL TILT DEPTH	118"	299.72 cm
	APPROX. NET WEIGHT	10,270 lb	4,658.39 kg
	APPROX. SHIPPING WEIGHT	10,425 lb	4,728.70 kg
	VOLTAGE AVAILABLE	208-480v 3ø 3,4w	50/60 Hz
GAS	TUMBLER/DRIVE MOTOR	7-1/2 hp	5.59 kW
	BLOWER/FAN MOTOR	25 hp	18.64 kW
	BURNER BLOWER MOTOR	1-1/2 hp	1.12 kW
	BURNER TYPE	On / Off	
	HEAT INPUT	2,800,000 Btu/hr	705,588 kcal/hr
	INLET PIPE CONNECTION (NON-TILT/TILT)	2-1/2" F.N.P.T.	
	MAXIMUM GAS PRESSURE	12 in WC	29.89 mb
	AIRFLOW	13,000 cfm	368.12 cmm
	MAXIMUM EXHAUST BACK PRESSURE	1.25 in WC	3.11 mb
	EXHAUST DIAMETER	24"	60.96 cm
STEAM	COMPRESSED AIR PRESSURE	80 psi (± 10 psi)	5.52 bar (± 0.69 bar)
	COMPRESSED AIR VOLUME (1-WAY/2-WAY TILT)	15 cfm / 19 cfm	0.42 cfmh / 0.54 cfmh
	COMPRESSED AIR CONNECTION (NON-TILT/TILT)	3/8" F.N.P.T.	
	CABINET REAR TILT HEIGHT	138-1/4"	351.16 cm
	CABINET OPERATING HEIGHT, LEVEL	121"	307.34 cm
	CABINET FULL TILT DEPTH	118"	299.72 cm
	APPROX. NET WEIGHT	11,000 lb	4,989.52 kg
	APPROX. SHIPPING WEIGHT	11,162 lb	5,063 kg
	VOLTAGE AVAILABLE	208-480v 3ø 3,4w	50/60 Hz
	TUMBLER/DRIVE MOTOR	7-1/2 hp	5.59 kW
GAS	BLOWER/FAN MOTOR	25 hp	18.64 kW
	BOILER HORSEPOWER (NORMAL LOAD)	60 Bhp	
	SUPPLY CONNECTION	2-1/2" F.N.P.T.	
	RETURN CONNECTION (NON-TILT/TILT)	1-1/4" F.N.P.T.	
	STEAM CONSUMPTION	2,071 lb/hr	939.39 kg/hr
	AIRFLOW	13,000 cfm	368.12 cmm
	MAXIMUM EXHAUST BACK PRESSURE	1.25 in WC	3.11 mb
	EXHAUST 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)	16 cfm / 20 cfm	0.45 cfmh / 0.57 cfmh
STEAM	COMPRESSED AIR CONNECTION (NON-TILT/TILT)	3/8" F.N.P.T.	

Shaded areas are stated in metric equivalents



GAS - All Door / All Tilt - Electrical Service Specifications							
IMPORTANT: 208 VAC and 230/240 VAC are not the same. When ordering, specific voltage.							
NOTES: A. Circuit breakers are thermal/magnetic (industrial) motor curve type ONLY . For others calculate/verify correct breakers 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	111	150	150	1/0
220	3	3	60	107	150	150	1/0
240	3	3	60	105	150	150	1/0
460	3	3	60	56	70	70	3
480	3	3	60	56	70	70	3
230	3	3	50	113	150	150	1/0
380	3	3/4	50	62	80	80	3
400	3	3/4	50	59	80	80	3
416	3	3/4	50	61	80	80	3

STEAM - All Door / All Tilt - Electrical Service Specifications							
IMPORTANT: 208 VAC and 230/240 VAC are not the same. When ordering, specific voltage.							
NOTES: A. Circuit breakers are thermal/magnetic (industrial) motor curve type ONLY . For others calculate/verify correct breakers 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	106	150	150	1/0
240	3	3	60	100	150	150	1/0
460	3	3	60	53	70	70	4
480	3	3	60	53	70	70	4
230	3	3	50	107	150	150	1/0
380	3	3/4	50	60	80	80	3
400	3	3/4	50	57	80	80	3
416	3	3/4	50	58	80	80	3

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