

◆ TAD Walk-In and Truck-In Ovens

Designed for industrial process versatility and dependability



Despatch TAD Truck-in/Walk-in ovens feature horizontal recirculating airflow to ensure uniform temperatures throughout the oven. A high-volume fan circulates air through perforated, aluminized steel walls to create a constant horizontal airflow across all sections of the oven. The result is proven reliability in demanding production applications, such as aging, bonding, curing, drying, finish baking and heat treating. Multiple temperature operations are controlled by up to eight programs, with eight ramp and soak segments in each program.

The TAD is equipped with the Protocol 3™ microprocessor-based temperature and hi-limit controller with large LCD display and real time clock for auto start capability. Data-logging functionality enables reporting and analyzing and data files can be exported via the controller's USB port.

FEATURES AT A GLANCE

- ◆ Temperatures up to 343°C (650°F)
- ◆ Fully assembled and factory tested
- ◆ Protocol 3™ control with large LCD display, integrated data logging capabilities and USB port for simple oven set-up and data export
- ◆ Audible high-limit alarm
- ◆ Two-inch test access port
- ◆ Aluminized steel interior
- ◆ Disconnect switch
- ◆ High volume recirculating fan provides faster, more uniform heating - saving process time and improving product quality
- ◆ Plate floor with truck tracks
- ◆ UL and C-UL listed open industrial control panel

OPTIONS:

- ◆ Insulated floor with truck tracks
- ◆ Despatch unique adjustable louvers
- ◆ Loading trucks and shelves
- ◆ Proportioning gas fired heater
- ◆ Chart recorder
- ◆ Rear doors
- ◆ CE compliant



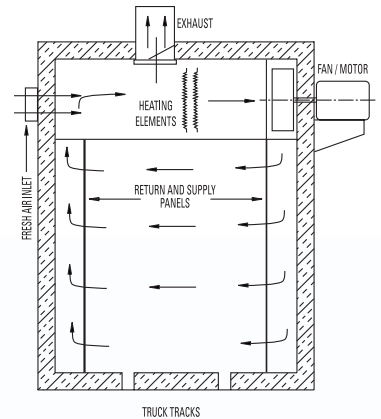
TAD	2-52	3-10	3-21
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PHYSICAL SPECIFICATIONS			
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Chamber size (width x depth x height)		38 x 38 x 63 in. 96.5 x 96.5 x 160 cm	48 x 52 x 72 in. 122 x 132 x 183 cm	72 x 72 x 72 in. 183 x 183 x 183 cm
Capacity in cubic feet (liters)		52.6 (1490)	104 (2945)	216 (6116)
Overall size (width x depth x height) *Includes 7 in (18 cm) exhaust stack.		83.3 x 48.5 x 95* in. 212 x 123 x 241* cm	100.5x62.5x102 in. 255 x 159 x 259 cm	126.5x85.5x102 in. 321 x 217 x 259 cm
Electrical: 60 hertz - 3 phase (FLA- approx. full load amps) 50 hertz is also available	240 volts	65.9 FLA / 24 kW	104.1 FLA / 36 kW	140.2 FLA / 48 kW
	480 volts	32.8 FLA / 24 kW	51 FLA / 36 kW	71.2 FLA / 48 kW
Exhaust outlet		7 in. (17.8 cm)	7 in. (17.8 cm)	9 in. (22.9 cm)
Doors		1	2	2
Insulation thickness	Walls: 5 in. (12.7 cm) Insulated floor option: 3 in. (7.6 cm) for all models			
Truck centers		24 in. (61 cm)	32 in. (81.3 cm)	48 in. (122 cm)
Approximate net weight		1850 lbs (844 kg)	3020 lbs (1377 kg)	5150 lbs (2336 kg)
Approximate shipping weight		2050 lbs (930 kg)	3220 lbs (1461 kg)	5400 lbs (2450 kg)

FUNCTIONAL SPECIFICATIONS			
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Time to temp with no load 40°C to 177°C (104°F to 350°F)		15 minutes	15 minutes	15 minutes
Time to temp with no load 40°C to 260°C (104°F to 500°F)		30 minutes	30 minutes	30 minutes
Time to temp with no load 40°C to 343°C (104°F to 650°F)		50 minutes	50 minutes	50 minutes
Temperature uniformity at set point	+/- 1.5% after stabilization			
Minimum operating temp		40°C (104°F)	40°C (104°F)	40°C (104°F)
Maximum Operating Temperature		343°C (650°F)		
Recirculating fan		2 HP / 1700 CFM (802 l/s)	5 HP / 3800 CFM (1793 l/s)	10 HP / 6000 CFM (2832 l/s)
Control stability		+/- 0.5°C/5°CΔ on all models (Δ represents the change in ambient temperature.)		



TAD front view cross section showing airflow pattern.

Notes: Uniformity figures are based on a nine-point test conducted in an empty oven after stabilization period. Uniformity can vary slightly depending on unit and operating conditions. Minimum operating temperature and cooling times are based on 20°C ambient temperature measured at the fresh air inlet with the fresh air and exhaust dampers fully open. Specifications are subject to change without notice. If the existing specifications differ from yours, ask about our customizing capabilities.

TAD models are not to be used with flammable solvents, materials or containers. If your process involves flammable solvents please inquire about our TFD models.

SERVICE AND TECHNICAL SUPPORT

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