Despatch INDUSTRIES

TA and TF Walk-In Ovens and Truck-In Ovens

Designed for industrial process versatility and dependability

The TA/TF 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.

For applications that include flammable solvents or large amounts of moisture removal we offer the TF series. These Class A ovens are specially designed to meet NFPA 86 requirements. They include a pressure relief panel, purge timer and exhaust fan.

OPTIONS:

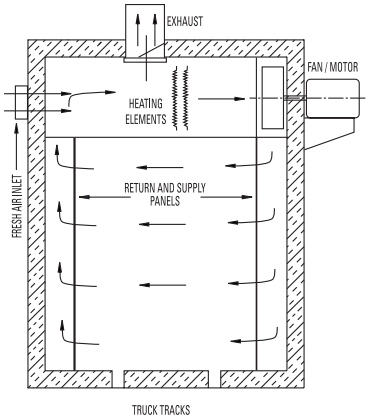
- Insulated floor with truck tracks
- Despatch unique adjustable louvers
- Loading trucks and shelves
- Access ports for test wires
- Proportioning gas fired heater
- Chart recorder
- Rear doors
- Audible alarm
- CE compliant

FEATURES AT A GLANCE

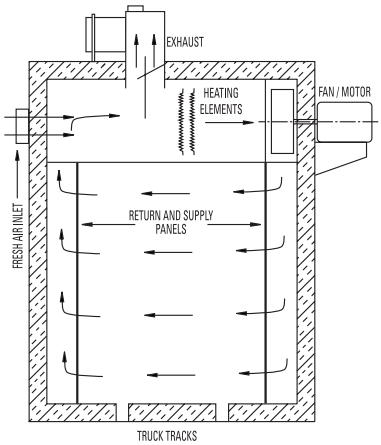
- Temperatures up to 343°C (650°F)
- Fully assembled and factory tested
- Protocol 3™ control with large LCD display, integrated data logging capabilities and USB port for simple oven set-up and data export
- Two levels of password security can limit operator access to program parameters
- End-of-cycle and high-limit indicators
- Aluminized steel interior
- 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

TAD/TFD		2-52	3-10	3-17	3-21
PHYSICAL SPECIFICATIONS					
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	60 x 68 x 72 in. 152 x 173 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)	170 (4814)	216 (6116)
Overall size (width x depth x height) **Includes 7in (18cm) exhaust stack. For TFD2-52 add additional 8in (20cm) to height for exhaust.*		83.3 x 48.5 x 95*in. 212 x 123 x 241* cm	100.5x62.5x102 in. 255 x 159 x 259 cm	114.5x78.5x102 in. 291 x 200 x 259 cm	126.5x85.5x102 in. 321 x 217 x 259 cm
Electrical: 60 hertz - 3 phase *480 volt standard* *240 volt optional* *(FLA- approx. full load amps)* *50 hertz is also available*	240 volts TAD	65.9 FLA / 24 KW	104.1 FLA / 36 KW	140.2 FLA / 48 KW	140.2 FLA / 48 KW
	240 volts TFD	94.8 FLA / 36 KW	131 FLA / 48 KW	209 FLA / 72 KW	209 FLA / 72 KW
	480 volts TAD	32.8 FLA / 24 KW	51 FLA / 36 KW	71.2 FLA / 48 KW	71.2 FLA / 48 KW
	480 volts TFD	48 FLA / 36 KW	66 FLA / 48 KW	103 FLA / 72 KW	103 FLA / 72 KW
Exhaust outlet TAD		7 in. (17.8 cm)	7 in. (17.8 cm)	9 in. (22.9 cm)	9 in. (22.9 cm)
Exhaust outlet TFD		3.5 x 8.5 in. (8.9 x 21.6 cm)	3.5 x 8.5 in. (8.9 x 21.6 cm)	5 x 13.5 in. (12.7 x 34.3 cm)	5 x 13.5 in. (12.7 x 34.3 cm)
Doors		1	2	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)	36 in. (91.4 cm)	48 in. (122 cm)
Approximate net weight TAD		1850 lbs (844 kg)	3020 lbs (1377 kg)	4750 lbs (2155 kg)	5150 lbs (2336 kg)
Approximate net weight TFD		1900 lbs (862 kg)	3070 lbs (1393 kg)	4800 lbs (2177 kg)	5200 lbs (2359 kg)
Approximate shipping weight TAD		2050 lbs (930 kg)	3220 lbs (1461 kg)	5000 lbs (2268 kg)	5400 lbs (2450 kg)
Approximate shipping weight TFD		2100 lbs (953 kg)	3270 lbs (1483 kg)	5050 lbs (2290 kg)	5450 lbs (2472 kg)
FUNCTIONAL SPECIFICATIONS					
Time to temp with no load 40°C to 177°C (104°F to 350°F)		15 minutes	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	30 minutes
Time to temp with no load 40°C to 343°C (104°F to 650°F)		50 minutes	50 minutes	50 minutes	50 minutes
Temperature uniformity at set point		+/- 1.5% after stabilization			
Minimum operating temp above ambient TAD		20°C (35°F)	20°C (35°F)	20°C (35°F)	20°C (35°F)
Minimum operating temp above ambient TFD		14°C (25°F)	14°C (25°F)	14°C (25°F)	14°C (25°F)
Maximum Operating Temperature		343°C (650°F)			
Exhaust capacity TFD (minimum/maximum)		143/350 CFM (67.5/165.2 LPS)	238/350 CFM (112.3/165.2 LPS)	315/1000 CFM (148.7/471.9 LPS)	315/1000 CFM (148.7/471.9 LPS)
TFD solvent handling capacity at 204°C (400°F)		.15 GPH (.57 LPH)	.25 GPH (.95 LPH)	.33 GPH (1.25 LPH)	.33 GPH (1.25 LPH)
TFD forced exhaust HP		1/3 HP	1/3 HP	2 HP	2 HP
Recirculating fan		2 HP / 1700 CFM (802 lps)	5 HP / 3800 CFM (1793 lps)	10 HP / 6000 CFM (2832 lps)	10 HP / 6000 CFM (2832 lps)
Control stability		+/- 0.5°C/5°C△ on all models (△ represents the change in ambient temperature.)			

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 front view cross section showing airflow pattern.



TFD front view cross section showing airflow pattern.

SERVICE AND TECHNICAL SUPPORT

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