

### ◆ TFD Class A Walk-In Ovens and Truck-In Ovens

For applications involving flammable solvents or excessive solvent removal



Despatch TFD Class A ovens are specifically designed to meet NFPA 86 requirements for applications that include flammable solvents or large amounts of moisture removal. The oven comes complete with a pressure relief panel, purge timer, and exhaust fan.

TFD 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. The included Protocol 3™ controller provides a level of temperature control, versatility, and operational simplicity unmatched in the industry.

#### OPTIONS

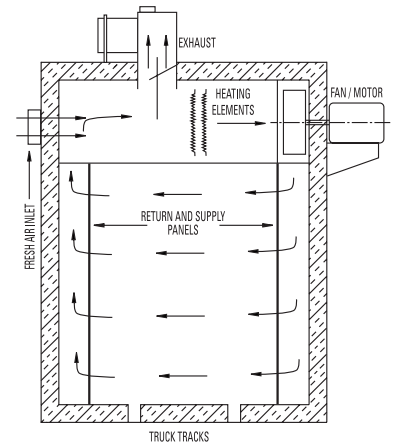
- ◆ Insulated floor with truck tracks
- ◆ Despatch unique adjustable louvers
- ◆ Loading trucks and shelves
- ◆ Proportioning gas fired heater
- ◆ Chart recorder
- ◆ Rear doors
- ◆ CE compliant

#### FEATURES AT A GLANCE

- ◆ Temperatures up to 343°C (650°F)
- ◆ Class A package meeting NFPA 86 requirements for flammable solvents
- ◆ 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



TFD		2-52	3-10	3-21
<b>PHYSICAL SPECIFICATIONS</b>				
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)		83.3 x 48.5 x 103 in. 212 x 123 x 262 cm	100.5 x 62.5 x 102 in. 255 x 159 x 259 cm	126.5 x 85.5 x 102 in. 321 x 217 x 259 cm
Electrical: 60 hertz - 3 phase (FLA- approx. full load amps) 50 hertz is also available	240 volts TFD	94.8 FLA / 36 kW	131 FLA / 48 kW	209 FLA / 72 kW
	480 volts TFD	48 FLA / 36 kW	66 FLA / 48 kW	103 FLA / 72 kW
Exhaust outlet		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)
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		1900 lbs (862 kg)	3070 lbs (1393 kg)	5200 lbs (2359 kg)
Approximate shipping weight		2100 lbs (953 kg)	3270 lbs (1483 kg)	5450 lbs (2472 kg)
<b>FUNCTIONAL SPECIFICATIONS</b>				
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		34° C (93° F)	34° C (93° F)	34° C (93° F)
Maximum operating Temperature		343° C (650° F)		
Exhaust capacity (minimum/maximum)		143/350 CFM (67.5/165.2 l/s)	238/350 CFM (112.3/165.2 l/s)	315/1000 CFM (148.7/471.9 l/s)
Solvent handling capacity at 204° C (400° F) MEK		.15 GPH (.57 l/h)	.25 GPH (.95 l/h)	.33 GPH (1.25 l/h)
Forced exhaust HP		1/3 HP	1/3 HP	2 HP
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 on all models		



**TFD 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.

## SERVICE AND TECHNICAL SUPPORT

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