



SL-50 Solaris 50-lb Capacity, Single Pocket Dryer



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The SL-50 is equipped with numerous features that are standard to the sophisticated Solaris line. These include a smart self-diagnostic multi-lingual microprocessor, special mop head cycle, and a sleek space-saving design. This formidable 50-lb capacity model also boasts a unique dual-burner design that saves energy and provides built-in operating redundancy.

Benefits

Drying Performance: The SL-50 achieves outstanding drying performance. The unique design with 100% axial airflow allows for optimal drying performance in gas, steam, or electrically heated dryers. Dramatic utility savings are realized without sacrificing dry times. The SL-50 standard single-phase reversing tumbler separates larger items, which prevents "balling" and "roping", and resulting in faster drying.

Easy To Use Microprocessor Controls: Solaris dryers are equipped with a state-of-the-art computer board that constantly monitors the drying cycle from beginning to end. The Residual Moisture Control auto-dry feature provides pinpoint accuracy; preventing over-drying that saves time and energy. The multi-lingual micro is also self-diagnostic, which means problems are quickly identified, and downtime is reduced. On-premise units feature S.A.F.E., sensor activated fire extinguishing system, which virtually eliminates the risk of fires due to spontaneous combustion.

Durability: The SL-50 features a rugged four-wheel support system that parallels the design of larger industrial dryers. Door hinges and lint screens are impervious to corrosion while heavy-duty doors feature a heat-saving double glass design. Components are 98% front accessible for ease of service.

Features

- Compact cabinet dimensions
- Four-wheel drum support
- Standard single-phase reversing tumbler
- Efficient double burner design
- Front serviceable, inclusive for tumbler and belt
- S.A.F.E. feature available as an option

Specifications

Tumbler Diameter	37"	93.98 cm
Tumbler Depth	25-3/4"	65.41 cm
Tumbler Volume	16.02 cu ft	453.64 L
Tumbler/Drive Motor	1 hp	0.75 kW
Blower/Fan Motor	1/2 hp	0.37 kW
Cabinet Width	38-1/4"	97.2 cm
Cabinet Height	55-1/2"	140.9 cm
Cabinet Depth	39-1/4"	99.7 cm
Door Opening (Diameter)	27-3/8"	69.53 cm
Door Sill Height	16"	40.64 cm
Water Connection	3/4"-11.5 NH (North America) 3/4" B.S.P.T. (Outside North America)	
Dryers Per 20'/40' Container	10 / 22	
Dryers Per 48'/53' Truck	28 / 30	

Gas

Voltage Available	120-240v	1ø	2w	50/60 Hz
Approximate Net Weight	545 lb			247.21 kg
Approximate Shipping Weight	565 lb			256.28 kg
Airflow (60 Hz)	525 cfm			14.87 cmm
Airflow (50 Hz)	437 cfm			12.37 cmm
Heat Input	90,000 Btu/hr			22,680 kcal/hr
Exhaust Connection (Diameter)	8"			20.32 cm
Compressed Air Connection		N / A		
Compressed Air Volume		N / A		
Inlet Pipe Connection		1/2" M.N.P.T. 1/2" F.B.S.P.T. (CE and Australia Only)		

Electric

Voltage Available	200-416v	1,3ø	2,3,4w	50/60 Hz
Approximate Net Weight	545 lb			247.21 kg
Approximate Shipping Weight	565 lb			256.28 kg
Airflow (60 Hz)	525 cfm			14.87 cmm
Airflow (50 Hz)	437 cfm			12.37 cmm
Exhaust Connection (Diameter)	8"			20.32 cm
Compressed Air Connection		N / A		
Compressed Air Volume		N / A		
Oven Size	kW	Btu/hr	kcal/hr	
	13.4	45,869	11,559	
	14.7	50,136	12,634	
	14.8	50,545	12,737	
	16.0	54,606	13,761	

Steam

Voltage Available	120-240v	1ø	2w	50/60 Hz
Approximate Net Weight	545 lb			247.21 kg
Approximate Shipping Weight	565 lb			256.28 kg
Airflow (60 Hz)	525 cfm			14.87 cmm
Airflow (50 Hz)	437 cfm			12.37 cmm
Steam Consumption	127.5 lb/hr			57.83 kg/hr
Operating Steam Pressure	150 psi max			10.34 bar
Exhaust Connection (Diameter)	8"			20.32 cm
Compressed Air Connection		N / A		
Compressed Air Volume		N / A		
Boiler Horsepower (Normal Load)		3.75 Bhp		
Supply Connection		3/4" F.N.P.T.		

Gas Models

Volt / Hz / Phase	Amps	
	Non-Rev	Rev
120 / 60 / 1	15.6	15.6
200 / 60 / 1	10.5	10.5
208 / 60 / 1	10.5	10.5
220 / 60 / 1	10.0	10.0
240 / 60 / 1	9.7	9.7
220 / 50 / 1	10.7	10.7
230 / 50 / 1	10.8	10.8

Electric Models

Volt / Hz / Phase / kW	Amps	
	Non-Rev	Rev
200 / 60 / 1 / 14.8	82.1	82.1
208 / 60 / 1 / 16.0	85.1	85.1
220 / 60 / 1 / 13.4	68.8	68.8
240 / 60 / 1 / 16.0	74.2	74.2
208 / 60 / 3 / 16.0	52.6	52.6
220 / 60 / 3 / 13.4	43.0	43.0
240 / 60 / 3 / 16.0	46.0	46.0
380 / 60 / 3 / 13.4	28.0	28.0
220 / 50 / 1 / 13.4	69.4	69.4
230 / 50 / 1 / 14.7	72.3	72.3
220 / 50 / 3 / 13.4	43.6	43.6
230 / 50 / 3 / 14.7	45.3	45.3
380 / 50 / 3 / 13.4	28.6	28.6
400 / 50 / 3 / 14.8	29.8	29.8
416 / 50 / 3 / 16.0	30.7	30.7

Steam Models

Volt / Hz / Phase	Amps	
	Non-Rev	Rev
120 / 60 / 1	14.4	14.4
200 / 60 / 1	8.2	8.2
208 / 60 / 1	8.2	8.2
220 / 60 / 1	7.8	7.8
240 / 60 / 1	7.6	7.6
220 / 50 / 1	8.4	8.4
230 / 50 / 1	8.5	8.5