



SL-31 Solaris 30-lb Capacity, Single Pocket Dryer



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The efficient SL-31 provides lower heat input and airflow than other commercial dryers without sacrificing drying speed. The unique space-saving cabinet design of this 30-lb capacity unit enables it to be stacked one on top of the other to maximize floor space.

Benefits

Drying Performance: The SL-31 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.

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.

Durability: The SL-31 features a rugged four-wheel support system that parallels the design of larger industrial dryers. Stainless steel tumblers, 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 size
- Stainless steel tumbler
- Four-wheel drum support
- Option to stack one dryer on top of another
- Single-phase reversing available
- Front serviceable, inclusive for tumbler and belt
- S.A.F.E. feature (optional on coin dryers)

Specifications

	Units of Measure	Metric Units
Maximum Capacity (Dry Weight)	30 lb	13.61 kg

Tumbler/Drive Motor	1/4 hp	0.19 kW
Blower/Fan Motor	1/2 hp	0.37 kW
Door Opening (Diameter)	19-3/8"	49.21 cm
Door Sill Height	14-7/8"	37.78 cm
Water Connection	3/4"-11.5 NH	
Dryers Per 20'/40' Container	12 / 28	
Dryers Per 48'/53' Truck	34 / 38	

Gas

Voltage Available	120-240v 1ø 2w 50/60 Hz	
Approximate Net Weight	285 lb	129.27 kg
Approximate Shipping Weight	310 lb	140.61 kg
Airflow	360 cfm	10.19 cmm
Heat Input	55,000 Btu/hr	13,860 kcal/hr
Exhaust Connection (Diameter)	6"	15.24 cm
Compressed Air Connection	N / A	
Compressed Air Volume	N / A	
Inlet Pipe Connection	3/8" M.N.P.T. 3/8" M.B.S.P.T. (CE ONLY)	

Electric

Voltage Available	200-416v 1,3ø 2,3,4w 50/60 Hz		
Approximate Net Weight	285 lb	129.27 kg	
Approximate Shipping Weight	310 lb	140.61 kg	
Airflow	360 cfm	10.19 cmm	
Exhaust Connection (Diameter)	6"	15.24 cm	
Compressed Air Connection	N / A		
Compressed Air Volume	N / A		
Oven Size	kW	Btu/hr	kcal/hr
	7.9	26,962	6,794
	8.3	28,327	7,138
	9.0	30,716	7,740
	11.3	38,566	9,719
	12.4	42,320	10,665
	12.5	42,661	10,751
	13.5	46,074	11,611

Steam

Voltage Available	120-240v 1ø 2w 50/60 Hz	
Approximate Net Weight	305 lb	138.35 kg
Approximate Shipping Weight	330 lb	149.69 kg
Airflow	360 cfm	10.19 cmm
Steam Consumption	63 lb/hr	28.58 kg/hr
Operating Steam Pressure	150 psi max	10.34 bar
Exhaust Connection (Diameter)	6"	15.24 cm
Compressed Air Connection	N / A	
Compressed Air Volume	N / A	
Boiler Horsepower (Normal Load)	1.75 Bhp	
Supply Connection	1/2" F.N.P.T.	
Return Connection	1/2" M.N.P.T.	

Electrical Specifications

Gas Models

Volt / Hz / Phase	Amps	
	Non-Rev	Rev
120 / 60 / 1	10.3	10.3
200 / 60 / 1	8.7	8.7

200 / 50 / 1	8.0	8.0
220 / 50 / 1	8.1	8.1
230 / 50 / 1	7.8	7.8

Electric Models

Volt / Hz / Phase / kW	Amps	
	Non-Rev	Rev
200 / 60 / 1 / 12.5	68.0	68.0
208 / 60 / 1 / 7.9	43.5	43.5
208 / 60 / 1 / 13.5	70.4	70.4
240 / 60 / 1 / 9.0	42.6	42.6
240 / 60 / 1 / 13.5	61.4	61.4
208 / 60 / 3 / 13.5	43.0	43.0
240 / 60 / 3 / 13.5	37.6	37.6
200 / 50 / 1 / 12.5	67.7	67.7
230 / 50 / 1 / 8.3	41.3	41.3
230 / 50 / 1 / 12.4	59.1	59.1
380 / 50 / 3 / 11.3	22.6	22.6
400 / 50 / 3 / 12.4	23.1	23.1
416 / 50 / 3 / 13.5	23.7	23.7