

SAL800...3000 Series Hopper Loaders

The SAL800...3000 series hopper loaders are ideally suitable for relatively high volume operations, offering conveying capacities of up to 700 kilos per hour.

The weight placed on the existing machine hopper is reduced by placing the suction motor and control in a separate floor mounted unit. The 'split' execution of the hopper loader gives increased access for setting and maintenance.

All units have microprocessor control giving digitally: - setting and display of loading time, loading function and mode selection. Furthermore, operational fault diagnosis is provided as standard feature.

All these models are built to the highest standards from quality materials to provide consistent and reliable performance.

The floor mounted units are fully portable and feature a powerful cast aluminum suction blower, cartridge filter and exhaust manifold.

A vacuum breaking valve is additionally fitted to the SAL2000 and SAL3000 hopper loaders to give rapid material discharge from the bowl immediately after each loading cycle.

Other features include:

- Double filtration protection.
- Flow-path indicator lamps.
- Motor overload protection with alarm.
- Audible low level alarm.
- Adjustable loading time.
- Telescopic suction probe (For the unit fitted with cloth filter only).
- Counter-balanced flap or electric level control.
- Automatic reverse action filter cleaning (SAL800 and SAL1000 only).
- Electrical circuit built to comply with CE Safety Requirements.

Options include:

- Cloth filter (SAL800 and SAL1000 only).
- Sight-glass with electric level sensor ('SE' models only).



Sight-glass with electric level sensor fitted to "SE" models



SAL 800 with cloth filter fitted to bowl

Specifications

SAL model		800	1000	800SE	1000SE	2000	3000
Conveying capacity*	kg/hr	300	400	300	400	600	700
Bowl volume	litre	6	12	6	12	24	36
Conveying height	m	4				5	
Conveying hose diam.	mm	38				51	
Type of filter	-	mesh filter or cloth filter				mesh filter	
Type of level control	-	mechanical flap		electric sensor		mechanical flap	
Self-filter-cleaning	-	standard				N/A	
Suction motor	W	750	1500	750	1500	2250	3750
Voltage (phase)	V	380 ~ 460 (3Ø)					

* Capacities are based on 0.6 bulk density and 60hz operations.

Dimensions

SAL model		800	1000	800SE	1000SE	2000	3000	
Hopper bowl	width	mm	350	390	350	390	390	
	depth	mm	260	300	260	300	300	
	height	mm	450	515	530	595	800	1080
	weight (approx.)	kg	6	8	8	10	9	11
Suction unit	width	mm	370				370	
	depth	mm	420				730	
	height	mm	660				830	
	weight (approx.)	kg	45	55	45	55	65	67

Dust Collectors

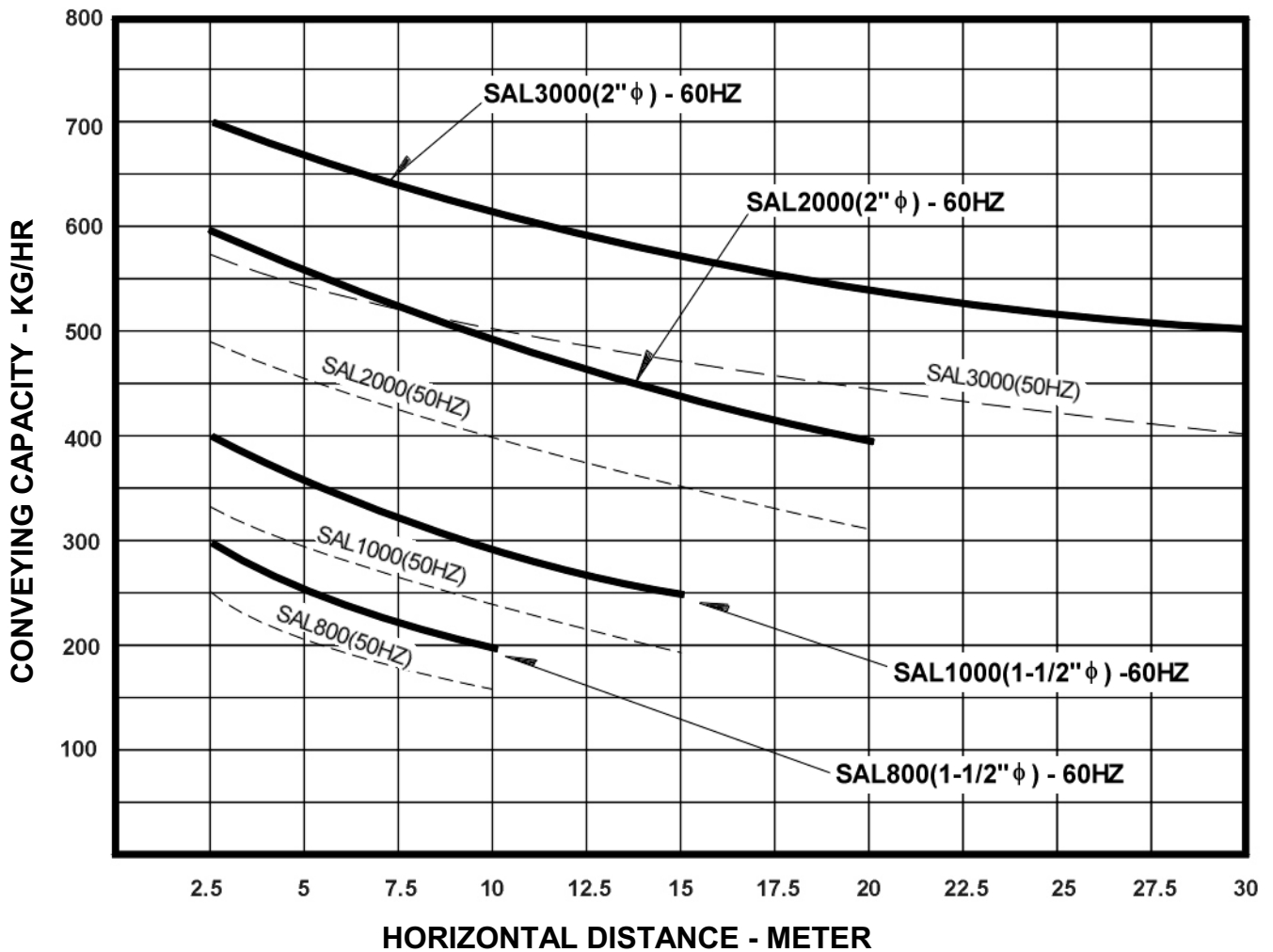
Model	Applic SAL Model
ACF1	SAL800 & SAL1000
ACF2	SAL2000 & SAL3000

* Remark: This item is an optional feature.



CONVEYING CAPACITY VS. DISTANCE

(SAL-800 / 1000 / 2000 / 3000)



Remarks:

1. For conveying free flowing pellets only.
2. Rates based on 4.5 meters vertical lift and one (1) 90° elbow against 100% virgin.
3. Every additional 1 meter of vertical lift creates 2 meters of horizontal distance, approximately.
4. Every additional 1-1/2"Ø 90° elbow creates 1.7 meters of horizontal distance (135° bend creates 0.6 meter), every additional 2"Ø 90° elbow creates 2.2 meters of horizontal distance (135° bend creates 0.8 meter), approximately.
5. Rates based on placing the vacuum unit besides the processing machine. Providing there is a distance, every one meter creates 0.6 meters of horizontal distance.
6. This information shall be for reference only, for further details contact your supplier.