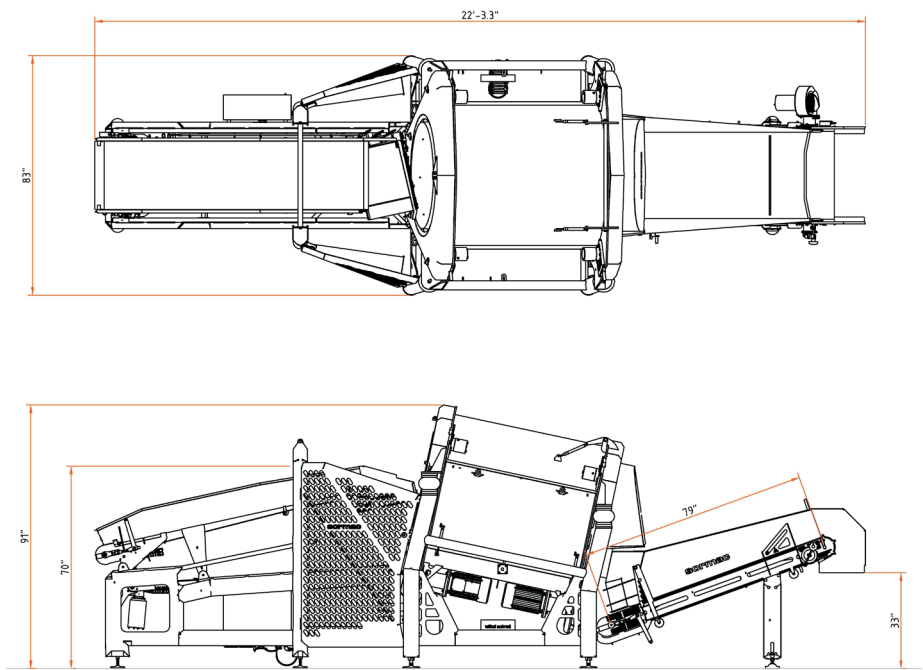


Product specification

The Sormac SC/NextGen centrifuge is suitable for drying all kinds of leafy vegetables.

Technical data

Type	SC-740/NextGen	SC-940/NextGen
Voltage	230/400 V, 50/60 Hz	230/400 V, 50/60 Hz
Installed power	32 hp	33 hp
Dimension (LxWxH)	14' 11" x 71" x 82"	22' x 92" x 91"
Air consumption	approx. 14.1 ft3/min	approx. 14.1 ft3/min
Speed during centrifuging	up to 840 rpm (adjustable)	350-744 rpm (adjustable)
Diameter drum	2' 5"	3' 1"



Dimensioned sketch, based on the SC-940/NextGen model.

Patent EP 1 466 026 and EP 1 028 513 / other patents pending

Centrifuge SC/NextGen-range



Operating principle

The SC/NextGen centrifuge is used to dry leafy vegetables. The drum has a completely smooth inner surface without a central axle or other parts which could damage the product. The patented drive with magnetic bearing support delivers steady and smooth operation in all circumstances.

The infeed loading conveyor evenly distributes the produce over the slowly rotating drum. After this, the drum accelerates to the set rotation speed. The drum is decelerated at the end of the drying cycle and the slanting position of the drum causes the produce to slide onto the outfeed conveyor.

The buffer conveyor is filled during the drying cycle so as to not interrupt the continuous product flow. The configuration of the Sormac centrifuge minimizes the probability of the produce being damaged.

The dimensions of the drum are large enough to achieve a low produce layer thickness and an even and low pressure on the produce.

The SC/NextGen is characterized by an exceptionally open design with optimal accessibility for cleaning and maintenance. Energy savings of approximately 20% are achieved by the combination of more efficient motors and a frequency inverter with an energy recovery system.

Capacity

The capacity of the centrifuge depends on the product, the entry moisture level and the desired final moisture level. Capacities up to 5,000 lbs per hour are feasible.

