



CLEANING MACHINES

KEPLERWEBER®



MORE THAN 80 YEARS CONTRIBUTING TO OUR CUSTOMERS' GROWTH.

Founded in 1925, in the city of Panambi/Brazil, and focused on the agribusiness since its creation, Kepler Weber is specialized in developing complete storage solutions. Kepler Weber offers an agile and integrated structure, which allows us to annually process 100,000 tons of steel to serve an array of customers like trading companies and cooperatives, or even small and big businesses. The company is widely recognized for the development of agribusiness in Brazil and, acting as an exporter since 1973, is the current Latin-American leader in the segment. Our strong investment in technology, the maximum quality of consumables and the development of tailor-made projects are features that confirm Kepler Weber's commitment of always contributing to its customer's growth.



SERVICES

KW Support

Our multiservice support system aims at fulfilling our customers' every after sale need in Brazil or abroad. In order to keep the highest quality and performance standards for Kepler Weber equipment, the KW Support offers services like Technical Assistance, Original Spare Parts and Technical Training.

Technical Assistance

A specialized technical team is at the complete service of Kepler Weber's customers for answering questions, running technical checks, and offering solutions. Technical visits are also offered in order to carry out preventive and corrective maintenance services and to provide overhauls, improvements, updates, and expansion of the customer's system.

Original Parts

Original parts for Kepler Weber equipment are available for purchase through KW Support or in any of our many resellers in Brazilian territory, or through our international sales agents.



Technical Training

Our Technical Training Program takes Kepler Weber professionals with theoretical and practical expertise of grain transport, cleaning, drying and storage techniques, to the client's facilities, where they teach courses of equipment operation and maintenance.

KW cleaning machines allow better efficiency and productivity at the processing unit, as well as a higher quality added to the final product, which also adds value to production. Kepler Weber offers cleaning machines with numerous capacities for many types of products that adapt to different project demands. The equipment is developed to efficiently clean through a simple operation, allowing users to sort out large, medium and light impurities and whole grains from the broken ones.

CLEANING MACHINES

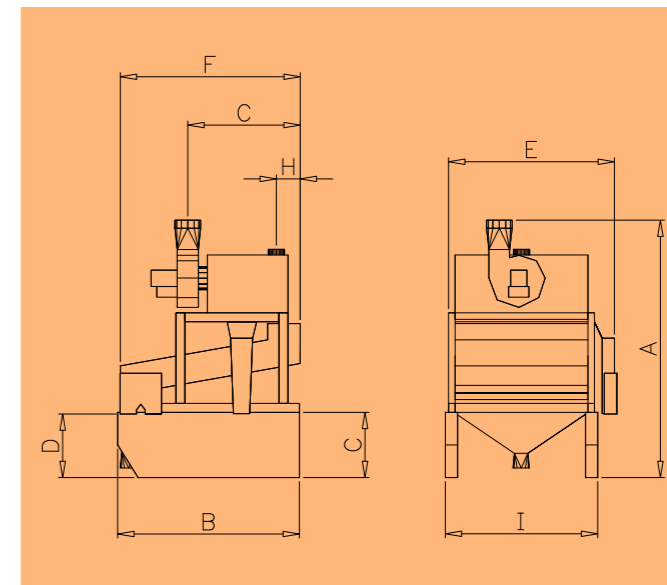


Open Sieving Box Cleaning Machines

Economic, versatile and simple to operate, they are made of two complementary cleaning stages: a light impurity aspiration in the top chamber; and the sieving, which is made through sieves in rectilinear oscillatory movement.

PPSA 160:

- Simple installation;
- Easily replaceable sieves;
- Reduced maintenance.



CAPACITIES AND POWER

MODEL	Capacity - t/h (0,75t/m ³)		Sieves area (m ²)	Air flow (m ³ /h)	Power (cv)			
	Precleaning	Cleaning			Sieves		Fan	
					50Hz	60Hz	50Hz	60Hz
PPSA-160	20	16	9.6	6,900	1.0	1.0	3.0	3.0

Note: Capacities considered for soybean and maize with intake moisture of 18% and impurities of 3%, discharge impurities of 1,5% (pre cleaning) and 0,8% (cleaning).

DIMENSIONES TABLE

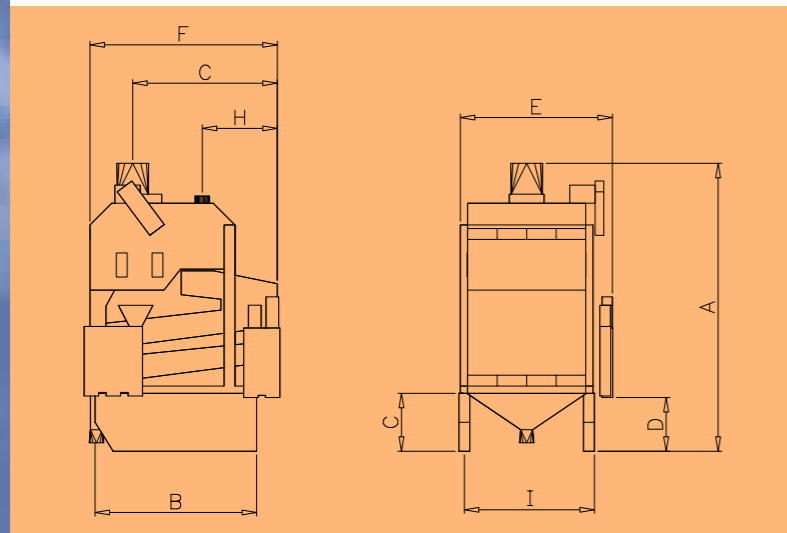
MODEL	A	B	C	D	E	F	G	H	I
PPSA-160	3,150	2,230	800	800	2,050	2,250	1,380	300	1,870

Note: Dimensions in mm.

Open Sieving Box Cleaning Machines

LC 160 / 160-SP:

- Top sieve to remove large residue;
- Product is aspirated in its loading and unloading stage;
- Air flow regulation scale;
- Reliable and high quality cleaning process.



CAPACITIES AND POWER

MODEL	Capacity - t/h (0,75t/m ³ rice (0,60t/m ³))		Sieves Area (m ²)	Air Flow (m ³ /h)	Power (CV)			
	Precogning	Cleaning			Sieves		Fan	
					50 Hz	60 Hz	50 Hz	60 Hz
LC - 160	25	20	9,6	6,900	1,0	1,0	5,5	5,0
LC - 160 - Rice	11	9	9,6	6,900	1,0	1,0	5,5	5,0
LC - 160 / SP	40	32	16,0	6,900	3,0	3,0	5,5	5,0
LC - 160 / SP - Rice	18	14	16,0	6,900	3,0	3,0	5,5	5,0

Note: Capacities considered for soybean, rice and maize with intake moisture of 18% and impurities of 3%, discharge impurities of 1,5% (pre cleaning) and 0,8% (cleaning).

DIMENSIONS TABLE

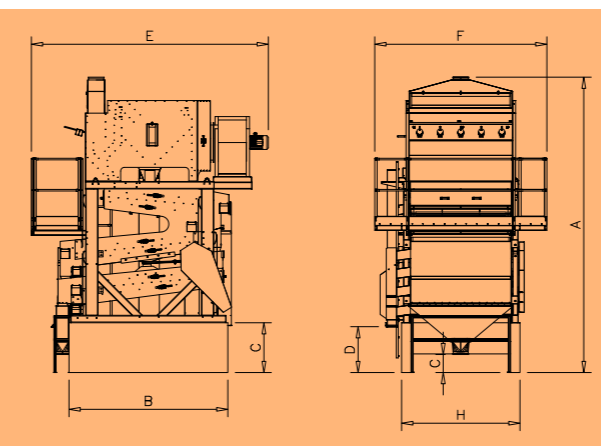
MODEL	A	B	C	D	E	F	G	H	I
LC-160	3,500	2,230	800	800	2,050	2,600	2,055	980	1,870
LC-160 - Rice	3,500	2,230	800	800	2,050	2,600	2,055	980	1,870
LC-160/SP	3,980	2,230	800	800	2,050	2,600	2,055	980	1,870
LC-160/SP - Rice	3,980	2,230	800	800	2,050	2,600	2,055	980	1,870

Note: Dimensions in mm.

Open Sieving Box Cleaning Machines

ML 60

- Top sieve to remove large residue;
- Controllable aspiration chamber to fit product needs;
- Standard access ladder;
- Optional inspection platforms;
- High efficiency and direct coupling fan.



CAPACITIES AND POWER

MODEL	Capacity - t/h (0,75t/m ³ Rice (0,60t/m ³))		Sieves area (m ²)	Air flow (m ³ /h)	Power (CV)			
	Precogning	Cleaning			Sieves		Fan	
					50Hz	60Hz	50Hz	60Hz
ML 60	60	47,5	18,8	10,500	5,5	5,0	5,5	6,0
ML 60 - Rice	26,5	21	18,8	10,500	5,5	5,0	5,5	6,0

Note: Capacities considered for soybean, rice and maize with intake moisture of 18% and impurities of 3%, discharge impurities of 1,5% (pre cleaning) and 0,8% (cleaning).

DIMENSIONS TABLE

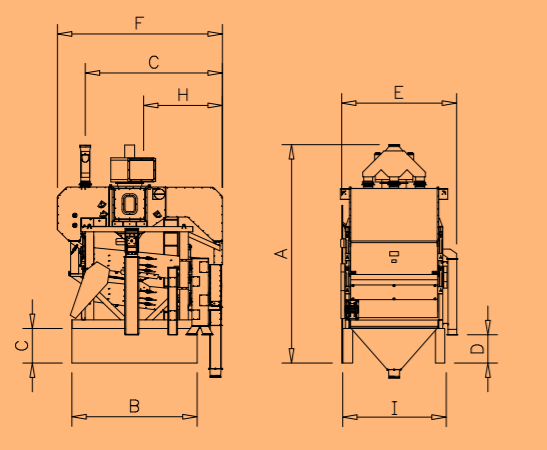
MODEL	A	B	C	D	E	F	G	H
ML 60	4,745	2,550	800	730	3,805	2,764	290	1,900
ML 60 - Rice	4,745	2,550	800	730	3,805	2,764	290	1,900

Note: Dimensions in mm.

Open Sieving Box Cleaning Machines

ML 80:

- Product is aspirated in its loading and unloading stage;
- Flow's control valve for unloading impurities from the air chamber;
- High efficiency and direct coupling fan.



CAPACITIES AND POWER

MODEL	Capacity - t/h (0,75t/m ³) Rice (0,60t/m ³)		Sieves area (m ²)	Air flow (m ³ /h)	Potência (CV)					
	Preliminary cleaning	cleaning			Sieves		Fan		Chamber's valve	
					50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
ML 80	80	63	28.8	13,000	7.5	7.5	7.5	7.5	0.5	0.5
ML 80 - Rice	35	28	28.8	13,000	7.5	7.5	7.5	7.5	0.5	0.5

Note: Capacities considered for soybean, rice and maize with intake moisture of 18% and impurities of 3%, discharge impurities of 1,5% (pre cleaning) and 0,8% (cleaning).

DIMENSIONS TABLE

MODEL	A	B	C	D	E	F	G	H	I
ML 80	5,050	2,900	800	660	2,700	3,810	3,175	1,870	2,315
ML 80 - Rice	5,050	2,900	800	660	2,700	3,810	3,175	1,870	2,315

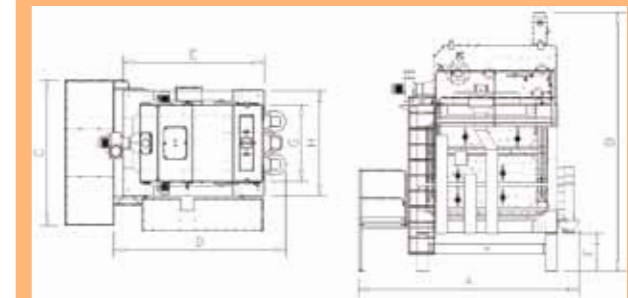
Note: Dimensions in mm.

Enclosed Sieving Box Cleaning Machines

Made with high technology, SCS cleaning machine line segregate the material through its enclosed sieves with orbital oscillatory movements, with low levels of vibration and noise, eliminating the emission of particles. These machines can process high loads, with precise product selection having safety systems that guarantee constant alignment of the equipment's movement.

SCS 60 / 80 / 100:

- Aspiration of product at loading and unloading stages;
- High quality cleaning;
- Sieves are fastened through a quick lock;
- Few mobile items, which minimizes mechanical wearing.



CAPACITIES AND POWER

MODEL	Capacity - t/h (0,75t/m ³)		Sieves (m ²)	Air flow (m ³ /h)
	Preliminary cleaning	Cleaning		
SCS 80	80	63	23.5	3,000
SCS 100	100	79	31.5	3,000

Note: Capacities considered for soybean and maize with intake moisture of 18% and impurities of 3%, discharge impurities of 1,5% (pre cleaning) and 0,8% (cleaning).

Power (CV)

MODEL	Power (CV)									
	Sieves		Chamber's fan (2x)		Exhaustion fan		Chamber's valve		Cyclon valve	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
SCS 60	3.0	3.0	3.0	3.0	3.0	3.0	0.5	0.5	1.0	1.0
SCS 80	4.0	4.0	3.0	4.0	4.0	7.5	0.5	0.5	1.0	1.0
SCS 100	4.0	4.0	3.0	4.0	4.0	7.5	0.5	0.5	1.0	1.0

DIMENSIONS TABLE

MODEL	A	B	C	D	E	F	G	H
SCS 60	4,600	5,340	3,030	3,600	2,950	800	1,600	2,200
SCS 80	4,600	5,440	3,505	3,850	2,950	800	2,000	2,620
SCS 100	4,600	5,945	3,830	3,600	2,960	800	2,000	2,620

Note: Dimensions in mm.

Enclosed Sieving Box Cleaning Machines

SCS 170:

First machine of the SCS line developed in modular structures allowing various configurations to attend to different needs of cleanliness.

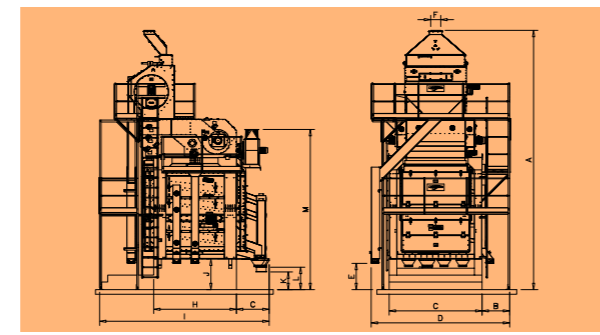
- High efficiency;
- Versatile operation;
- Excellent cleaning quality;
- Low vibration levels;
- Easy maintenance;
- Safety items included.

Sieving box:

The product is cleaned by metallic sieves that separate bigger and smaller impurities from the grains to be cleaned.

Rotative scalper:

Gross impurities (such as straw and cob) are separated by a metallic rotative mesh.



Aspiration Chamber:

A High Efficiency aspiration chamber is used to separate light impurities such as husk and dust. Thin air layers cross through the grain column to eliminate impurities, although each layer has its own independent air adjustment register.

The aspiration chamber possesses an internal air recirculation system, meaning that only part of the cleaning air is eliminated toward collection cyclones or to be filtered in sleeve filters.

CAPACITIES AND POWER

MODEL	Capacity - t/h (0,75t/m ²) Rice (0,60t/m ²)		Sieves area (m ²)	Air flow (m ³ /h)
	Precleaning	Cleaning		
SCS 170	170	134,5	32,4	6,000
SCS 170 - Rice	75	59	32,4	6,000

Note: Capacities considered for soybean, rice and maize with intake moisture of 18% and impurities of 3%, discharge impurities of 1,5% (pre cleaning) and 0,8% (cleaning).

Power (CV)

MODEL	Sieves		Chamber's fan (2x)		Exhaustion fan		Chamber's fan		Cyclon valve		Rotative screen drive	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
SCS 170	5,5	5,0	7,5	7,5	5,5	5,0	0,5	0,5	1,0	1,0	1,0	1,0

Power (CV)

MODEL	Sieves		Chamber's fan (2x)		Exhaustion fan		Chamber's valve		Rotative screen drive		Feeding screw		Sieve filter valve	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
SCS 170 - Rice	5,5	5,0	7,5	7,5	5,5	5,0	0,5	0,5	1,0	1,0	2,0	2,0	0,75	0,75

DIMENSIONS TABLE

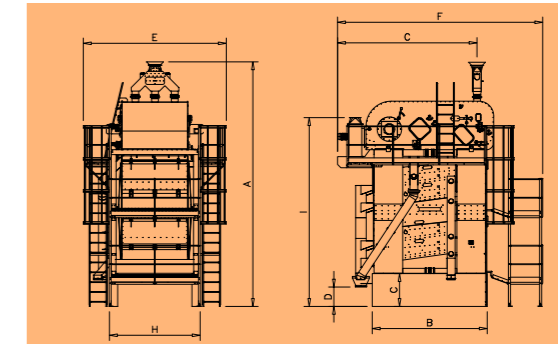
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M
SCS 170	8,463	902	3,030	4,520	860	320	1,067	2,700	5,532	1,000	580	730	5,228
SCS 170 - Rice	9,273	902	3,030	4,520	860	320	1,067	2,700	5,532	1,000	580	730	5,228

Note: Dimensions in mm.

Enclosed Sieving Box Cleaning Machines

LC 40/200:

- High quality cleaning;
- Two flow's control valves at the air chamber (input and impurities discharge);
- Platforms and ladders with guardrails;
- Sieves are fastened through a quick lock;
- Few mobile items, which minimizes mechanical wearing.



CAPACITIES AND POWER

MODEL	Capacity - t/h (0,75t/m ²) Rice (0,60t/m ²)		Sieves area (m ²)	Air flow (m ³ /h)
	Precleaning	Cleaning		
LC 40/200	200	158	43,2	3,465
LC 40/200 - Rice	88	70	43,2	3,465

Note: Capacities considered for soybean, rice and maize with intake moisture of 18% and impurities of 3%, discharge impurities of 1,5% (pre cleaning) and 0,8% (cleaning).

Power (CV)

MODEL	Sieves		Chamber's fan (2x)		Chamber's valve		Grain spreader valve		Cidon's fan		Cyclon valve	
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz
LC 40/200	7,5	6,0	5,5	7,5	0,5	0,5	0,5	0,5	3,0	4,0	1,0	1,0
LC 40/200 - Rice	7,5	6,0	5,5	7,5	0,5	0,5	0,5	0,5	3,0	4,0	1,0	1,0

DIMENSIONS TABLE

MODEL	A	B	C	D	E	F	G	H	I
LC 40/200	7,450	3,500	1,000	590	4,355	6,245	4,245	2,770	5,700
LC 40/200 - Rice	7,450	3,500	1,000	590	4,355	6,245	4,245	2,770	5,700

Note: Dimensions in mm.

OPTIONAL ACCESSORIES

Air chamber with recirculation

One of the special features in our enclosed sieve box cleaning machines is the air recirculation system at the aspiration chamber, which allows a better use of the air released inside the chamber, increasing efficiency in the cleaning of light impurities.

Cyclone:

A mechanical system for capturing particles, has adjustment of air flow being easy to operate and low maintenance.

Sieve filter:

High Efficiency air filtering system through Teflon sleeves. Sleeves cleanliness is made manually.

Control board:

Available with the enclosed sieve box cleaning machines has the following features:

- Automatic and sequential start of motors;
- Motors start and stop warning alarm;
- Cascaded blockage for loading and unloading equipment;
- Instant blockage through electrical breaks and sensors;
- Remote control output.

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