



Akyurek Excell 52 is developed for grading of cereals and seeds.

1- Feed Roller width Built-in stirrer

- ensures by means of the stirrer that no product build-up
- has built-in spring loaded safety device.
- has feed gate which in combination with variable RPM control of the feed rate

2- Pre- and After Suction System

- is built as separate systems to ensure a precise and independent air cleaning
- separates the light particles before the material reaches the sieves
- when the product leaves the cleaner via the air screen.

3- Screen Shoes of Birch Plywood

- are moisture and insect-resistant
- have a long lifetime because the birch plywood easily tolerates the vibration of the screen shoes

4- Ball Box

- Ensures efficient cleaning of sieves by means of rubber balls
- is cast solid so that it prevents stuck seeds etc.(self-cleaning)

5- Air Lifting Unit

- is capable by means of staggered fans and air guides of giving a completely uniform air pressure from beneath the product when it leaves the cleaner
- With specially designed impellers ensuring low noise level - has stepless adjustment of RPM on the fans

6- Screw Conveyor for Light waste

- ensures continuous discharge of dust and light waste from the air system via screws
- with finger flaps to ensure optimal dust separation in the expansion chamber by preventing false air from entering into the chamber

7- Balanced Eccentric System

- is fitted with counter weights ensuring steady running
- is fitted with "heavy duty" bearings
- ensures maximum utilisation of the cleaning effect of the sieves owing to accurately attuned stroke and RPM

8- Perforated Screens for all Purposes

- are available with round and long holes from 0,3 to 25,0mm
- are available in a standard size of: 1250 mm (L) x 800 mm (B) = 1 m²

9- Air Lifting Sieve Screen

- serves to convey the product through the air flow to ensure elimination of light particles
- forces the product through under passage to turn its biggest surface against the air flow in order to obtain optimal separation
- is constructed with adjustable air lifting hood over the air lifting sieve, which ensures optimal collecting up of the discarded light particles
- is combined with air lifting hood, designed with inspection window in full width, in order to make the adjustment of the air volume easier

Capacity: (at max. 15% moisture content)

Wheat, rye, sorghum and malted barley	3-4 t/hr
Oats, maize and white rice	3-4 t/hr
Soya, peas, rape and green coffee	2-3 t/hr
Paddy rice	2-3 t/hr
Sunflower, roasted coffee and beet seed	2-3 t/hr
Rye grass and clover	2-3 t/hr

Dimensions:

Machine height	2580 mm
Machine length	2800 mm
Machine width	1780 mm

Screen area:

		5 m ²
Layer 1 (over size screen)	1x(1250x800mm)	1 m ²
Layer 2 (under size screen)	2x(1250x800mm)	2 m ²
Layer 3 (under size screen)	2x(1250x800mm)	2 m ²

Square outlet pipes:

(Adapter to round available) a) from screens	150x150 mm
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Motors: (standard):

Feeder roller	0,55 kw
Discharge screw	0,37 kw
Fan top	3,0 kw
Fan bottom	1,1 kw
Sieve boat	1,51 kw

Air volume:

Pre-and after suction	6500 m ³ /h
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Total weight of cleaner:

	1610 kg
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Technical data can vary for certain of the above due to continued development, or a different machine composition.

This Akyurek cleaner can, in a few minutes, be converted to different cleaning programs, e.g.: Beans, lupin seed, Peanuts, Oats, wheat, Malted barley, Rye grass, Red fescue, Rape, peas, lentils
Maize (in Seed processing for Maize different Screen Layouts are available)



SEED PROCESSING & CONDITIONING

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