

## HI-STATIC FANS

Hi-static fans are standard equipment on all Clipper Super X Cleaners with the exception of the Super X 297 D. Higher R.P.M. fan speeds and larger motors are an option to enable these cleaners to be used with a dust filter system.

The static pressure generated by a standard dust collector system ranges between 1-1/2 and 2 inches. A dust filter system creates a static pressure ranging from 5 to 5-1/2 inches. Top fan speeds are increased to 1350 R.P.M. to operate against the increased resistance when filtering dust through a fabric filter system before air is released into the atmosphere.

Hi-static fans are ruggedly constructed of cast steel with the hub and arms in one piece. The fans will not disintegrate at the higher speeds required.

## V-BELT GUARDS

Modular guards are included as standard equipment to meet more stringent requirements for operator protection. They are built in sections of expanded metal . . . construction enables easy access for making adjustments to the cleaner and commodity sampling.

## HOPPERS

The customer has a choice of a variety of hoppers depending on the commodities to be cleaned. The Chek-Flo Metering Hopper is especially designed to handle any and all commodities, and is used with a variable hopper drive at additional cost.

## OPTIONAL EQUIPMENT

Two rubber covered rolls — located between the upper and lower shoes — can be factory installed. These rolls break up clay lumps in beans, reducing them in size so they can be sifted out.

Screen knockers — mounted above the top screens in each shoe — are available and can be supplied upon request.

## COMMODITY FLOW using a 4 screen Super X Seed Cleaner . . .

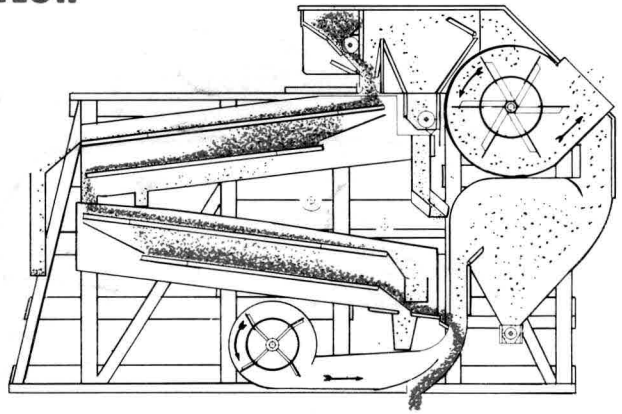
The seed is evenly fed through the hopper in a uniform layer across the full width of the top screen. As the seed falls from the hopper it passes through an air leg connected to one of the top suction fans to remove dust and light foreign material.

In the upper shoe, the good seed drops through the top screen which scalps off large foreign material. The seed passes over the second screen which sifts out small trash and weed seeds.

In the lower shoe, the scalping and sifting action is repeated using screens of a different size or shape to get out contaminants the upper shoe screens could not remove.

After all screening, the seed is routed through the vertical air column of the bottom blast fan for a final, accurate air separation by weight. One top fan, synchronized with the bottom blast fan, carries the lightweight trash and dust to the dust house, collector or dust filter system. The cleaned seed discharges from the cleaner through a

## COMMODITY FLOW



slotted opening which extends across the full width at the bottom of the cleaner.

The screens can be quickly set up as three tops and one bottom screen by re-arranging the screens and adding another front catch-all spout which is furnished.

## APPROXIMATE CAPACITIES

Bu. per Hr.	X297D	X29D	X298D	X2969D	X2968D
Seeds	35-65	65-90	85-110	65-90	85-110
Seed Grain	60-110	110-165	150-225	110-165	150-225
Beans	85-165	225-325	275-450	225-325	275-450

All capacities will vary according to area and amount of foreign material in the commodity to be cleaned.

Drive Shaft Speeds	Horsepower Required				
	X297D	X29D	X298D	X2969D	X2968D
600 R.P.M. — for cleaning grasses and lightweight seeds	5	7½	10	7½	10
900 R.P.M. — for cleaning grains and small legume seeds	5	7½	10	7½	10
1100 R.P.M. — for cleaning heavy commodities such as beans and corn	5	10	15	10	15
1350 R.P.M. — used when a dust filter system is used with the cleaner	—	15	20	15	20

