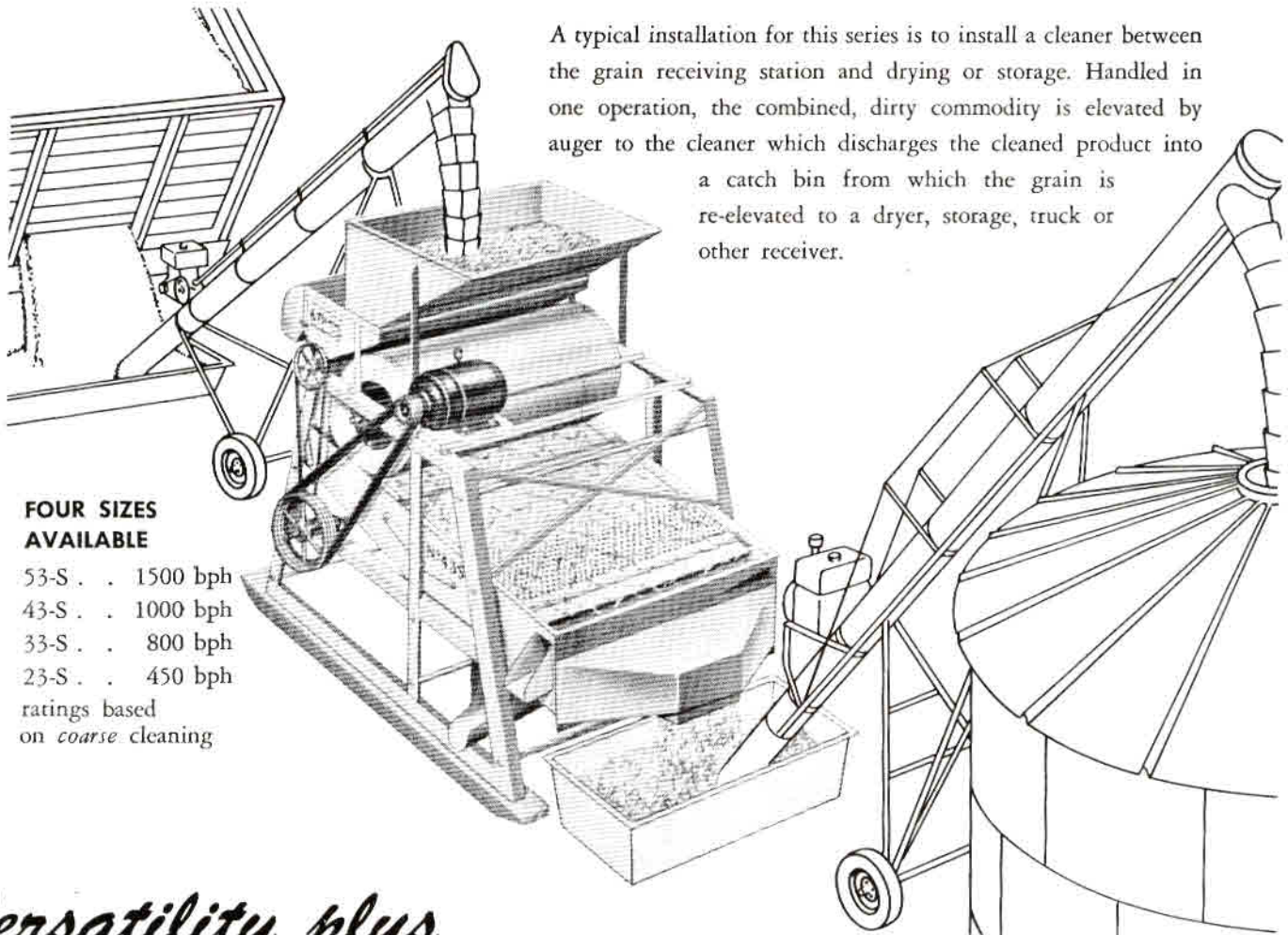


# the *Clipper* 43-S FIELD GRAIN CLEANER

field grain  
cleaner

(ALL-METAL CONSTRUCTION)

## CLEAN BEFORE DRYING OR STORING GRAINS • SORGHUMS • CORN • BEANS • RICE



A typical installation for this series is to install a cleaner between the grain receiving station and drying or storage. Handled in one operation, the combined, dirty commodity is elevated by auger to the cleaner which discharges the cleaned product into a catch bin from which the grain is re-elevated to a dryer, storage, truck or other receiver.

### FOUR SIZES AVAILABLE

53-S . . . 1500 bph  
43-S . . . 1000 bph  
33-S . . . 800 bph  
23-S . . . 450 bph  
ratings based  
on *coarse* cleaning

## *Versatility plus*

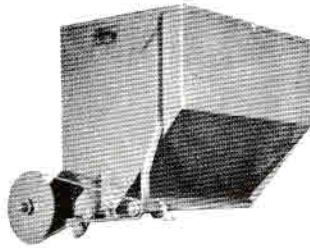
- REMOVE MOISTURE-LADEN FOREIGN MATTER
- ELIMINATE FLAMMABLE TRASH
- REDUCE HANDLING COSTS & SPACE NEEDS
- AERATE GRAIN BEING TURNED
- IMPROVE AERATION & AIR CIRCULATION IN STORAGE
- UPGRADE THE PRODUCT

### CLIPPER 43-S FEATURES

- The top blast fan takes off light trash before it can reach the upper screens. It also aerates the grain being run.
- The 43-S can be quickly re-screened for coarse, moderate or close cleaning.
- Designed to be durable, weather-resistant, lightweight with ball bearings used on main shaft and eccentrics.
- Convenient clean grain discharge—15 inches above floor level
- Rubber screen bumpers automatically keep screens from plugging.
- Equipped with hardwood skids for fast positioning.
- Low power requirement. Minimum maintenance.

**field grain cleaner**

# the *Clipper* 43-S FIELD GRAIN CLEANER



Special hopper for rice, grasses and trashy commodities

## Grain flow through cleaner

1. The grain is fed to the top screen through the column of regulated air generated by the blast fan.
2. This fan quickly and accurately blows light foreign material up and out of the cleaner. The upper screen holds up and scalps off sticks, stems, leaves, pods, etc. The air-cleaned commodity then passes through the top screen.
3. The lower screen holds up the good product and drops dirt, weed seeds and other small particles. After this final screening, the cleaned grain discharges into a catch bin and is re-elevated to a dryer, storage, truck or other receiver.

## SPECIFICATIONS

Screen Size (inches)		53-S	43-S	33-S	23-S
		54 x 86	54 x 60	42 x 60	34 x 42
Capacities* (bu. per hr. wheat)	Coarse	1500	1000	800	450
	Medium	1200	600	450	300
	Fine	800	350	250	150
No. Screens in Cleaner		2	2	2	2
No. Screens Furnished		4	4	4	4
Overall Height (inches) (includes hopper bin - skids)		121¼	91½	91½	87
Overall Length (inches)		126	100	98	78
Overall Width (inches)		87½	80	68	57
Drive Shaft Speed (rpm)		430	430	430	430
Required Horsepower		3	3	3	2
Approx. Shipping Weight (lbs.)		2500	1500	1200	870
Drive Shaft Dia. (inches)		1½	1½	1½	1-3/16

## SUGGESTED SCREENS

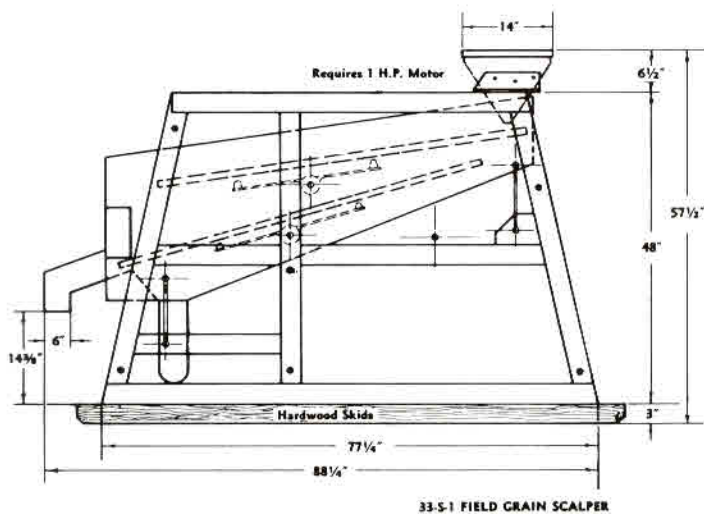
Commodity	Coarse		Medium		Fine	
	Top	Lower	Top	Lower	Top	Lower
Corn	36	12	32	14	28	16
Rice (dry)	24	6	18	6	14	1/14x½
Sorghums	20	6	16	6	12	1/13x½
Barley	30	6	24	6	20	1/13x½
Wheat	24	6	18	6	14	1/13x½
Oats	34	10 Tri.	28	10 Tri.	20	1/14x½
Soybeans	26	11	24	11	22	12

\*... the rating of any cleaner is dependent upon many factors — condition of commodity, moisture content, amount of contamination, the desired degree of quality, etc. Clipper capacities are conservatively computed under average conditions.

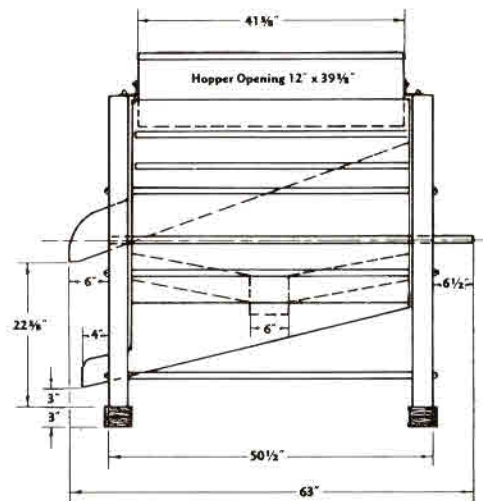
## extra versatility

The blast and suction fans are very important features on any screen-type cleaner wherever close cleaning is required. There are some jobs, however, which require

only scalping or simple separation with no air treatment. This series can be supplied less fan and variable-speed device, designated as "S-1".



33-S-1 FIELD GRAIN SCALPER



By eliminating the fan less horsepower is required. With this arrangement a plain gravity feeder is installed directly above the upper screen replacing the "air leg style" hopper. Note the reduced height. Special deep shoe

sides permit extra heavy feeding of screens when job requirements call for very coarse scalping at maximum capacities.