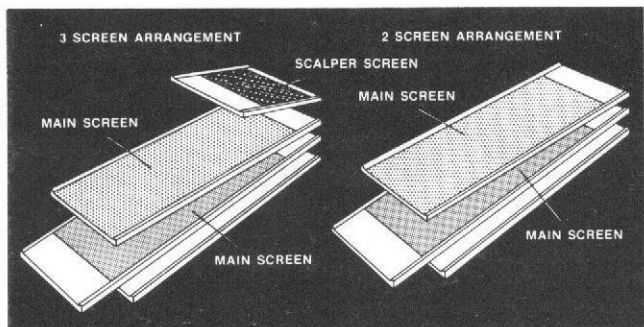


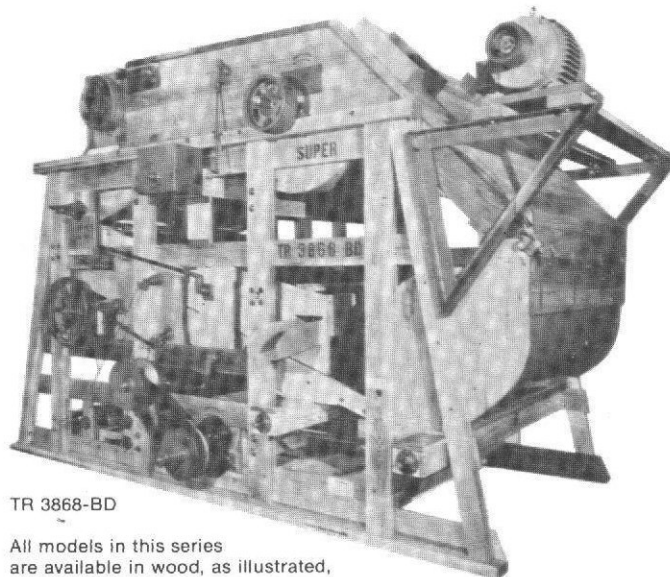
# Clipper TR 2 & 3-SCREEN CLEANER MODELS

**BALANCED CONSTRUCTION** to eliminate excessive vibration. The two shoes are counter-balanced . . . only the shoes shake—not the building.

Low headroom makes this series especially suitable for restricted height limitations. The counter-balanced design serves well for elevated installations when a low, fast receiver is required.



86 inch long screens come in 3 sections.  
60 inch long screens come in 2 sections.



TR 3868-BD

All models in this series are available in wood, as illustrated, or all-steel construction.

## 2-Screen Cleaners

Single Suction	Twin Suction
TR 2609-D	TR 2609-D2A
TR 2608-D	TR 2608-D2A
TR 2869-D	TR 2869-D2A
TR 2868-D	TR 2868-D2A

## 3-Screen Cleaners

Single Suction	Twin Suction	Suction & Blast
TR 3609-D	TR 3609-D2A	TR 3869-BD
TR 3608-D	TR 3608-D2A	TR 3868-BD
TR 3869-D	TR 3869-D2A	
TR 3868-D	TR 3868-D2A	

## TR Cleaner Features

**Screen Arrangement**—built in 2 and 3-screen designs. The illustrated TR 3868-BD uses a 34 inch long scalper screen . . . attached to the top shoe . . . and two 3-piece screens each 54 inches wide and 86 inches long—the top for closer scalping and the bottom for sifting. Each of the two main screens is mounted in a separate counter-balanced shoe. The 2-screen TR 2868-D uses the same screen arrangement with the short scalper screen omitted. The extra length of screens allows longer travel, greater capacities and increased ability for close screening.

**Air Separation**—three air separations are covered in this series.

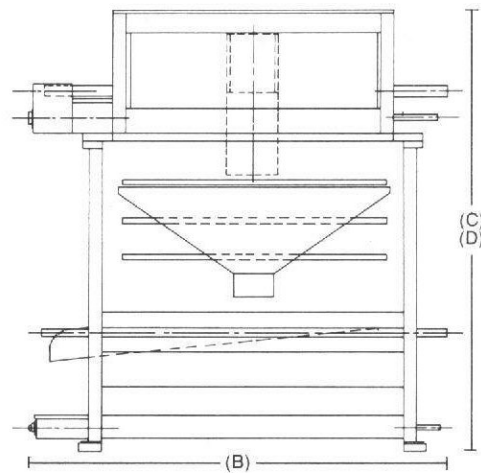
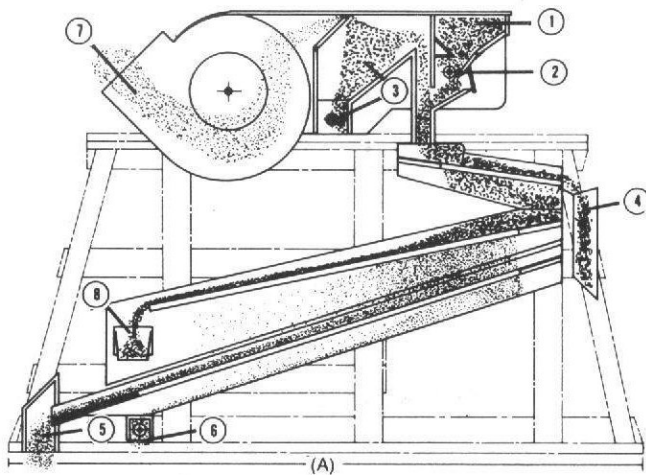
- 1. Single Suction**—One air separation as grain flows from the hopper. This precise air separation removes lightweight foreign material before grain reaches the screens.
- 2. Twin Suction**—Two air separations . . . one as grain flows from the hopper and the second at clean grain discharge to remove dust and lightweight matter after screening. Being adjustable, this provides a close final air separation by weight.
- 3. Suction and Blast**—The first air separation as grain leaves the hopper. The second after all screening by the exclusive Bottom Blast Fan. This final, accurate air separation by weight after screening as grain enters the vertical air column of the Bottom Blast Fan. The second top fan, synchronized with the Bottom Blast Fan, carries all remaining lightweight material to the dust house or collector.

**Variable Screen Shake**—which includes a balance wheel—permits adjustment of screen shake to any desired speed between minimum and maximum. This device permits the operator to control the action of the grain on the screens for the most efficient screening. This is optional equipment at extra cost.

**Automatic Traveling Nylon Brushes**—activated by the powerful No. 80 Roller Chain Brush Drive—cross back and forth under each full-length screen, keeping screen perforations open. These nylon brushes sweep the underside of each screen with the exact tension to do the job.

## TR 2 & 3-SCREEN CLEANER MODELS

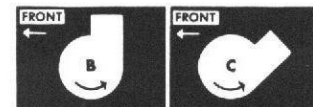
Single Suction Flow



**Legend**

- 1. Feed Hopper
- 2. Hopper Feed Roll
- 3. Undesirable Liftings Head Suction
- 4. Tailings-Scalper
- 5. Clean Grain Discharge
- 6. Thrus-Sifting Screen
- 7. Top Suction Air Discharge
- 8. Overs-Scalping Screen

Standard Fan Positions



### Commodity Flow

Hopper Roll Feed Brush design feeds grain evenly to scalper screen or main screen

Top Suction removes, settles off and discharges light impurities

Short Scalper Screen, included only with 3-screen

construction, pre-scalps ahead of main screens

Main Screens . . . scalping and sifting . . . 86 inches long equipped with automatic traveling nylon brushes

Cleaned Grain Discharge—opening 6 inches wide across full width under rear of cleaner

One complete set of screens (customer's choice) included in cleaner price.

### Specifications

	TR2609-D		TR3609-D		TR2608-D		TR3608-D		TR2869-D		TR3869-D		TR2868-D		TR3868-D	
Screen Size (in.)	W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L
Short Scalper	—	—	42	34	—	—	54	34	—	—	42	34	—	—	54	34
Main Scalping	42	60	42	60	54	60	54	60	42	86	42	86	54	86	54	86
Main Sifting	42	60	42	60	54	60	54	60	42	86	42	86	54	86	54	86
Capacities (bu. per hour)																
Wheat, Soybeans, Corn																
Coarse Screens	750		750		1000		1000		1200		1200		1500		1500	
Medium Screens	500		500		750		750		900		900		1200		1200	
Fine Screens	300		300		450		450		600		600		800		800	
Oats, Barley, Rice																
Coarse Screens	600		600		750		750		900		900		1100		1100	
Medium Screens	400		400		500		500		600		600		850		850	
Fine Screens	200		300		300		300		400		400		500		500	
(A) Overall Length (in.)	103		110		103		110		135		130		135		130	
(B) Overall Width (in.)	79		79		91		91		79		79		91		91	
(C) Overall Height (in.)	74		84		74		84		79		91		79		91	
(D) Grain Inlet Height (in.)	74		84		74		84		79		91		79		91	
Drive Shaft r.p.m.	900		900		900		900		900		900		900		900	
Required H.P. (1750 r.p.m.)	5		5		5		5		5		5		5		5	
Drive Shaft Dia. (in.)	1 <sup>5</sup> / <sub>16</sub>		1 <sup>5</sup> / <sub>16</sub>		1 <sup>5</sup> / <sub>16</sub>		1 <sup>5</sup> / <sub>16</sub>		1 <sup>5</sup> / <sub>16</sub>		1 <sup>5</sup> / <sub>16</sub>		1 <sup>5</sup> / <sub>16</sub>		1 <sup>5</sup> / <sub>16</sub>	
Approx. Ship. Wt. Wood (lbs.)	2500		2600		2750		2850		2750		3000		3000		3200	
Approx. Ship. Wt. Steel (lbs.)	3000		3100		3250		3350		3200		3500		3500		3750	
Fan Outlet (inside dim. in.)	7 <sup>1</sup> / <sub>2</sub> × 17 <sup>3</sup> / <sub>4</sub>		7 <sup>1</sup> / <sub>2</sub> × 17 <sup>3</sup> / <sub>4</sub>		9 <sup>1</sup> / <sub>4</sub> × 17 <sup>3</sup> / <sub>4</sub>		9 <sup>1</sup> / <sub>4</sub> × 17 <sup>3</sup> / <sub>4</sub>		7 <sup>1</sup> / <sub>2</sub> × 17 <sup>3</sup> / <sub>4</sub>		7 <sup>1</sup> / <sub>2</sub> × 17 <sup>3</sup> / <sub>4</sub>		9 <sup>1</sup> / <sub>4</sub> × 17 <sup>3</sup> / <sub>4</sub>		9 <sup>1</sup> / <sub>4</sub> × 17 <sup>3</sup> / <sub>4</sub>	
Total C.F.M.	2310		2310		3000		3000		2310		2310		3000		3000	
Recommended Clipper Collector	12		12		14		14		12		12		14		14	