

Length separation
with 25 inch

CARTER DISC SEPARATORS

The Carter 25-inch diameter Disc Separator is designed for high capacity length sizing requirements of free flowing granular materials. It has the largest diameter and greatest capacity of all Carter Discs. Made in two sizes with 23 or 27 discs, several model variations are available for elimination of oversize or under-size product.

Typical separations with the 25-inch diameter Carter Disc machine would be a wheat and oats separation, sizing of various seeds, or plastics and other materials of varying lengths.

Figure 1 shows the drive end and lifting discharge hopper to one of the commonly used 25-inch disc models. The wing valve near the tail end of the liftings hopper is provided for separate draw-off when required.

Figure 2 pictures the oversize tailings discharge spout and return conveyor drive of the machine.

Figure 3 illustrates the rear view of the 25-inch disc machine. Note the long feed inlet that runs the length of the ten adjusting knobs at the top left of the photograph. These knobs regulate the material inlet flow to machine. Drop bottom feature on both main and return conveyor sections facilitate quick and thorough cleanout.

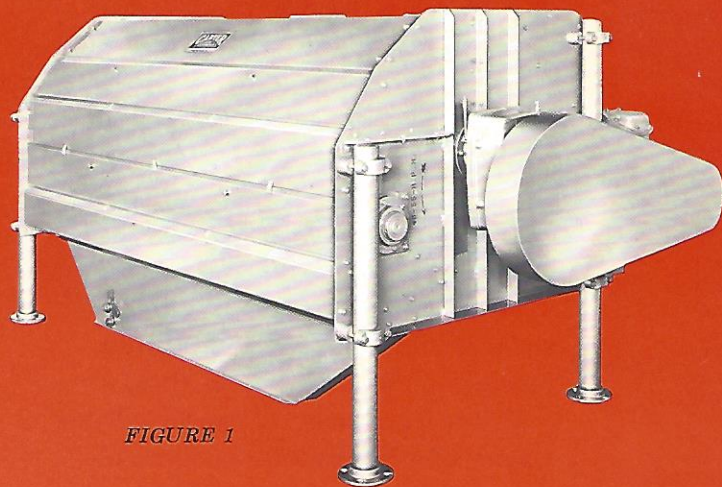


FIGURE 1

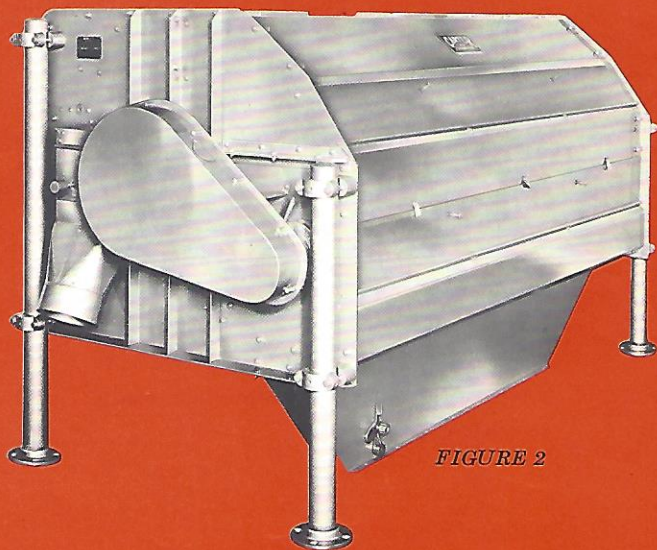


FIGURE 2

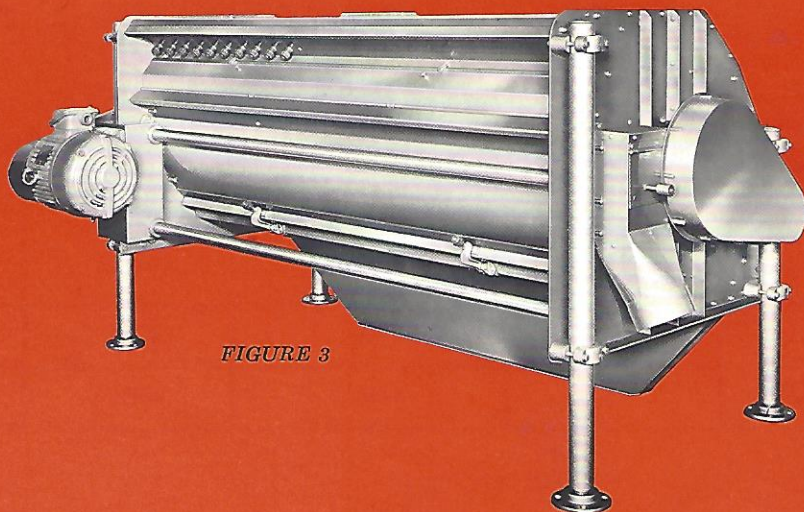


FIGURE 3

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Figure 4 shows a close up of the feed inlet. The self cleaning adjustable slides provide positive setting, while regulating material flow to discs.

Figure 5 is a model of two 25-inch Carter Disc Separators stacked and arranged for parallel flow. With the two-high arrangement, individual drives are supplied and machines can be turned end to end for series flow. This stacked arrangement brings savings in installation cost, and space occupied—especially where larger capacities are required.

All disc separators are of all-metal construction, feature ball bearings and facilities for quick cleanout. V belt drive is direct from motor to shaft mounted reducer.

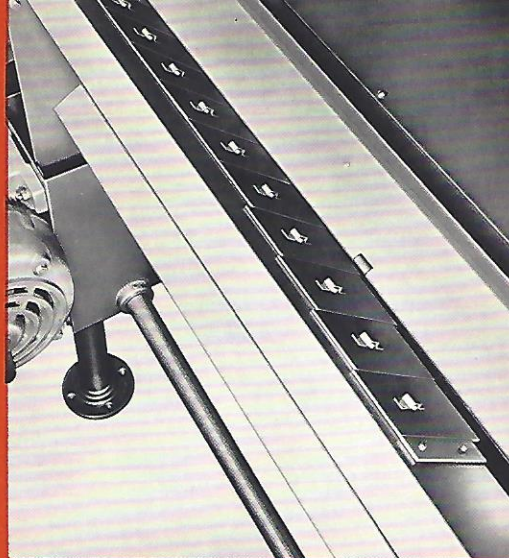


FIGURE 4

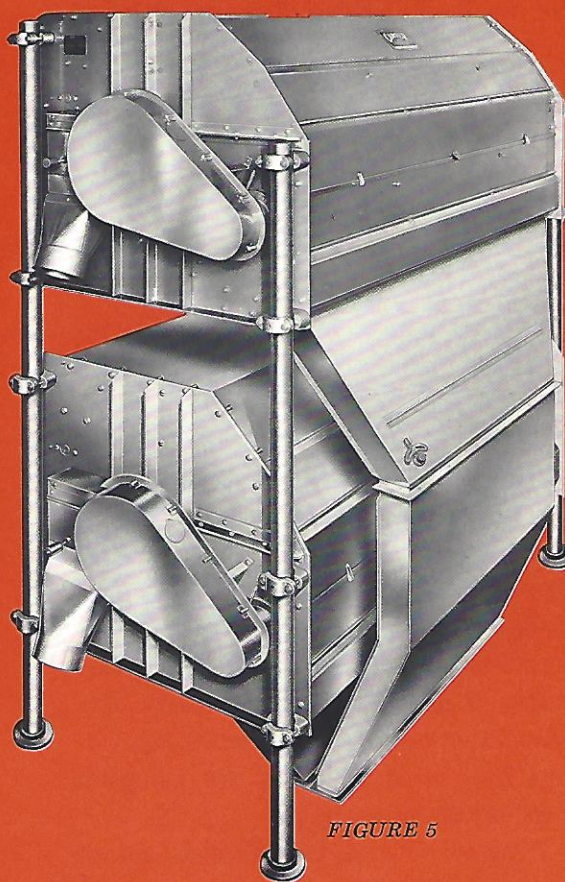


FIGURE 5

Size	H.P. Required	Height to Top of Feed Inlet	Width Overall	Length Overall	R.P.M. of Rotor Shaft	Weight in lbs. with motor	
						Net	Shipping
2523	3	44½	49½	82	48-55	1825	2175
2527	3	44½	49½	92	48-55	2005	2395



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