



THE KANAWHA RECIPROCATING PLATE FEEDER

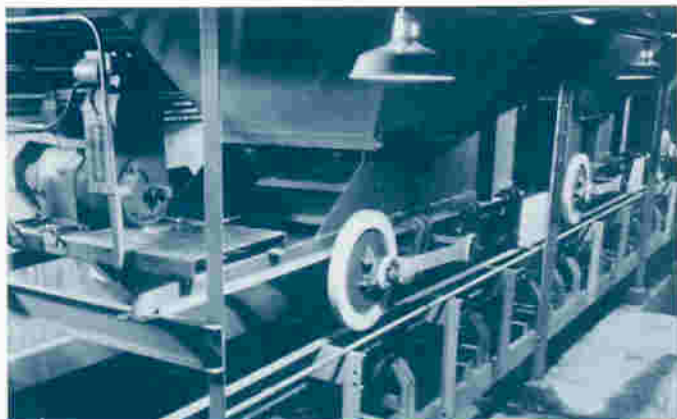
A detailed white technical line drawing of a reciprocating plate feeder is overlaid on a blue background. The drawing shows the mechanical components, including a large flywheel, a crankshaft, and various structural supports and rollers. The drawing is oriented diagonally, matching the angle of the title text.

KANAWHA MANUFACTURING COMPANY

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KANAWHA RECIPROCATING PLATE FEEDERS



Three feeders in line – car shakeout application.

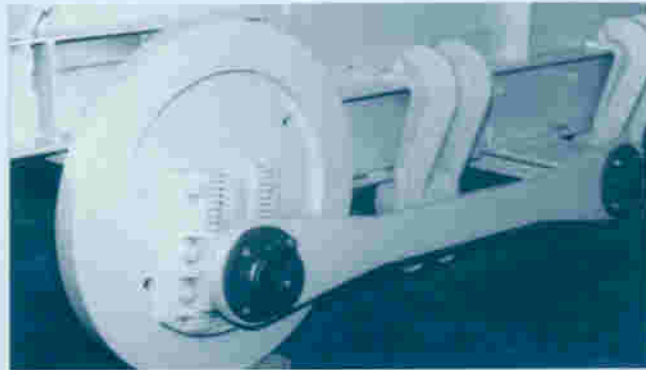
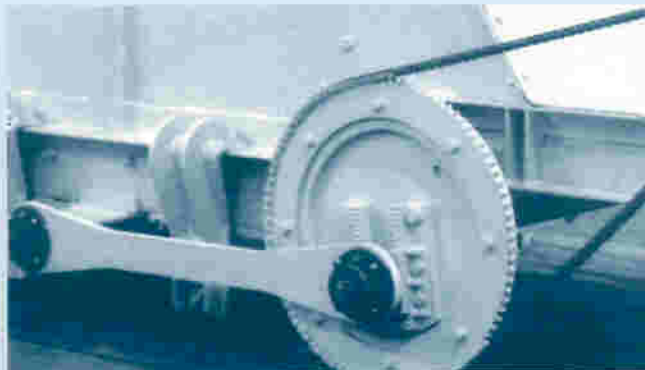
FOR DEPENDABLE, EFFICIENT, ECONOMICAL FEEDING AND UNLOADING

Kanawha Feeders, for over 40 years, have served the coal industry as a dependable, efficient, economical unit for feeding various materials in controlled quantities, and for unloading from bins, hoppers, storage silos and storage piles.

Kanawha Feeders are tailor-made to suit the particular application in width, length, height and capacity. Units are available in widths of 2 to 8 feet and lengths of 5 to 20 feet. They can be furnished in several models, such as Medium Duty, Heavy Duty, Duplex and Grizzly with an option for either fixed rate or remote control variable rate.

SPECIAL FEATURES

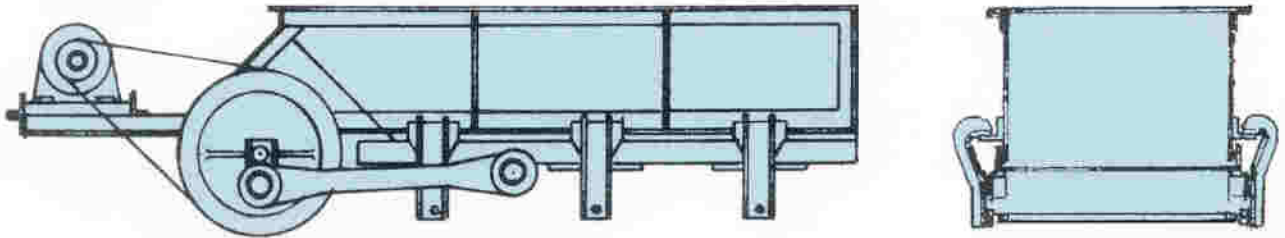
- Tailor-made for the application in size and capacity.
- All anti-friction – this includes the drive arms and drive shaft bearings.
- Rollers with roller bearings require no future lubrication.
- Replaceable type high carbon wear bars for the rollers.
- Flywheels on each end of drive shaft provide inertia.
- Adjustable stroke on all Feeders by use of a manual, easily adjustable bolted on clamp device.
- Driven sprocket ring assembly bolted on flywheel and easily maintained.
- Seal strips on sides and back-stainless steel and UHMW Plastics.



GENERAL DESCRIPTION — **FEED BOX** — Side skirts and back plate are manufactured in depth and length to suit the application and are made of carbon plate adequately reinforced with angle stiffeners. They may be lined with abrasion resistant steel to suit the application. **FEED PLATE** — Rigidly stiffened one piece construction with removable drive axle and roller support bars and may be lined with abrasion resistant steel to suit the application. **ROLLERS** — Single flanged load rollers with roller bearings support the feed plate on 3 to 4 foot centers. Require no future lubrication. **HANGER BRACKETS OR BEAM BRACKET ASSEMBLIES** — On model MDB medium duty and model HDB heavy duty feeders, hanger brackets are used to support the feed plate rollers. On model HDR heavy duty feeders, beam brackets are used on a WF beam to support the feed plate. **DRIVE ARMS** — Heavy duty solid bar construction, two (2) on each feeder, with anti-friction bearings each end. **DRIVE SHAFT ASSEMBLY** — Consists of drive shaft, two (2) flywheels and two (2) anti-friction bearings. Each flywheel has a built-in stroke adjustment and bolted-on clamp device. One (1) flywheel is provided with a removable bolted-on driven sprocket. **DRIVE** — Parabolic profile belt or roller chain connects the driven sprocket on the flywheel to the driver sprocket of a standard motoreducer or a variable speed drive.

CUSTOM TAILORED FOR EVERY APPLICATION

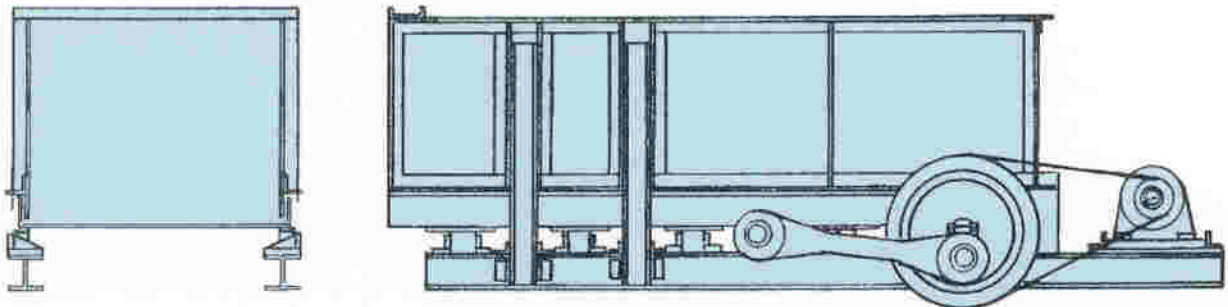
MEDIUM DUTY MODEL MDB OR HEAVY DUTY MODEL HDB



Model MDB or HDB Feeders of standard bracket mounted design are used for capacities from 50 to 2000 TPH. Dimensions on these units vary from 24"

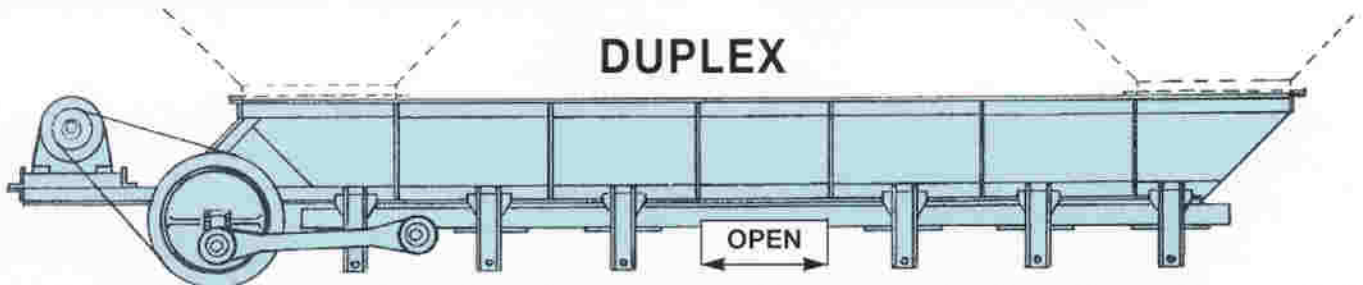
to 72" in width and 24" to 60" in depth. Feed plate length depending on the application, can vary from 6 feet to 20 feet.

HEAVY DUTY MODEL HDR



Model HDR Feeders are base mounted on WF beam brackets in place of hanger brackets. The units are available for capacities of 750 to 2000

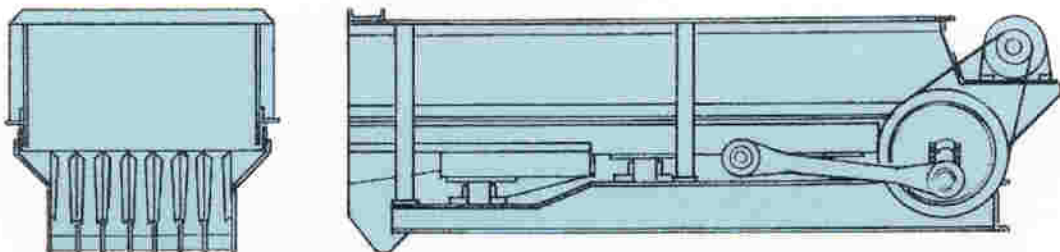
TPH, in widths of 60" to 96", in depths of 48" to 60" and lengths of 8 feet to 20 feet. The HDR unit can also be furnished as a duplex.



The Duplex Feeder can be engineered to suit specific applications of hopper centers and openings. The unit is available in either medium duty or heavy

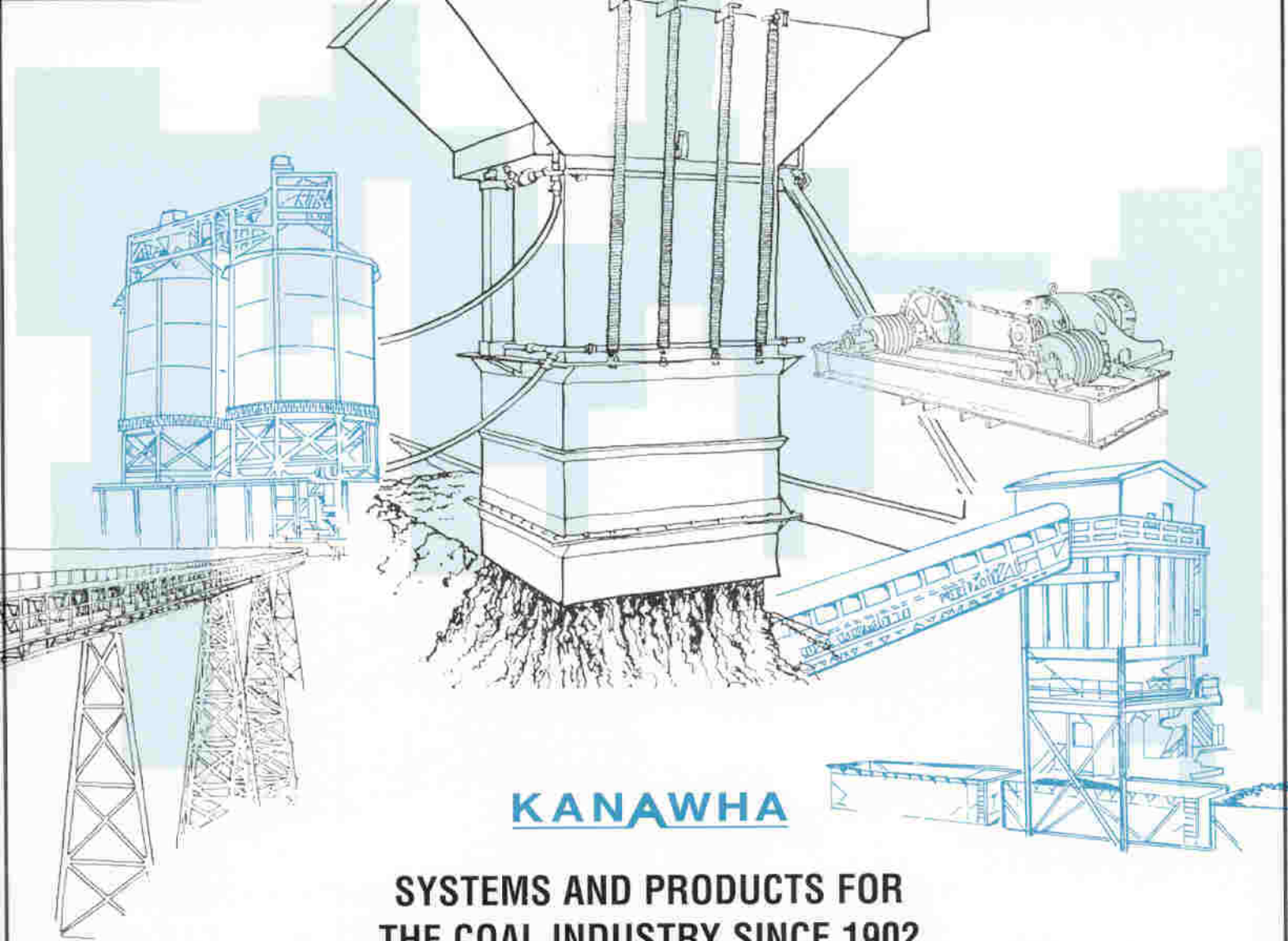
duty construction depending on the capacity. It is economical as only one drive is required. A constant and even feed is assured from this unit.

GRIZZLY



The Grizzly Feeder has a fixed grizzly section built into the feed plate. This model is used for scalping where it is desired to remove fines before crushing

or to deposit a layer of smaller material ahead of the impact point on conveyor belts.



KANAWHA

SYSTEMS AND PRODUCTS FOR THE COAL INDUSTRY SINCE 1902

Material handling, storage and reclaim systems.
Unit train loadout systems.
Rapid load and storage bin gates.
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Complete fabrication, machine shop and Engineering facilities.

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