



ASTECC

MOBILE SCREENS

an Astec Industries, Inc. Company



The 271K offers a traditional screening plant in single, double and triple deck configurations depending on plant and screen model. Capable of processing sand & gravel, topsoil, slag, crushed stone and recycled materials, these plants are a simple-to-use and highly reliable screening plant. Diesel power engine is water-cooled and powers all plant functions, as well as off-plant stacking conveyors. All plants provide easy access to the hydraulic plant controls and screen angle adjustment.

271K

SCREEN:

2408K double deck screen: 4' x 8' top and bottom deck driven by 1200 RPM vibrating mechanism mounted on screen box; Variable eccentric shaft with five (5) force amplitude settings on adjustable slip counterweights; Rubber isolator blocks; Hydraulic controls for variable angle operation. Top and bottom discharge chutes and aggregate spreader. Standard material separations range from 3" to 10M depending on application.

POWER SYSTEM:

80 HP John Deere water-cooled diesel engine to power all plant functions and two off-plant stacking conveyors; Adjustable hydraulic power allows for optional hammermill shredder to be powered with unit less one stacking conveyor described above. NEMA-4 rated instrument panel, tachometer, hour meter, voltmeter, oil pressure gauge, oil temperature gauge and emergency stop.

CHASSIS:

The 271K plant has heavy-duty truck frame with king pin towing attachment; Single cylinder adjust for operating set-up; Hydraulic jack for loading and unloading; 11:00 x 22.5 dual tires; air brakes; tail lights.

PLANT CAPACITY:

Screening plant can process up to 250 TPH or more of feed material. Actual tonnages will vary depending on application requirements: feed material size, material separations, type of screens used, weight of product and other material considerations.

CONVEYOR SYSTEM:

Delivery Conveyor - 40' x 30" hydraulic driven delivery conveyor (350 FPM).

FEEDER SYSTEM:-

9 cubic yard heaped capacity hopper with 5'-5" x 11' top; Heavy-duty 25° sloped grizzly with 6" nominal opening; Hydraulic dump with patented scissor-action for easy cleaning; Adjustable feed gate; Belt feeders are hydraulic driven with variable speed (0-60 FPM) Belting is 330 PIW, 3/16" x 1/16" cover; 11'-6" x 36" belt feeder.

SERVICE CAPACITY:

Fuel.....45 gal
Hydraulic Tank.....100 gal

TRANSPORTATION:

Weight24,000 lbs
Height.....13' - 06"
Length.....60' - 03"
Width.....08' - 06"
Axles.....Tandem

OPTIONS:

Bulkhead - Assists in ramping for loader feed to feed hopper.
Hammermill Shredder - Retractable hammermill for conditioning feed material for more efficient sizing.
Remote Control Grizzly - Assists in dumping oversize material off feed hopper from loader.
Wings - Assists in funneling feed material onto feed hopper grizzly.
Four Sided Fines Hopper - ILO standard deflector plates.
Screen Box - Double deck: 5' x 10'
Triple Deck 4' x 8'.
Screen Cloth - Various types of screen media are available for multiple applications.

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