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DEISTER-PEERLESS 7' x 20' PORTABLE SCREEN PLANT

DEISTER SCREEN

ONE - TYPE TFM3P-3720, triple deck, 7' x 20' Deister Triple-shafted Heavy Duty Horizontal Vibrating Screen, LESS steel wire screen cloth, but INCLUDING:

Screen Vibrating Frame

- Trunnion type spring support mounts on each corner, baked epoxy coated support springs
- Snubbers (friction checks) - spring loaded
- 1/4" thick HSLA steel sideplates formed along the top and bottom, with 5/16" thick formed HSLA steel reinforcing plates bolted to sideplates between bearing housing and sideplates
- Access ports with cover plates in the sideplates
- Removable back plates, rubber flap and steel combination
- Screen media support panel configuration
 - All decks – Screen cloth support panel constructed of 3" x 7" rectangular steel tube transverse members welded to formed angles bolted to the sideplates for easy replacement
- 4" long discharge lips protected by 1/4" thick AR steel replaceable wear plates
- Tension plates (skirtboards)
- Deister heavy duty tension screen cloth tensioning devices
- Feed box with 1/4" AR steel replaceable wear plate in the bottom

Eccentric Mechanism

- The triple-shafted “gear-type” vibrating mechanism is located between the middle and bottom decks and equipped with 120 mm. spherical roller vibrating screen bearings
- Steel-flanged vibrating mechanism tubes bolted to the sideplates
- Oil fill and drain plugs and the oil level gauges located on the outside surface of the vibrating mechanism end covers plate
- Deister “slingermist” oil bath lubrication system, with labyrinth type dust and oil seals requiring approximately 3-1/2 gallons of oil in the vibrating mechanism end covers acting as the oil reservoir and requiring only oil changes every 500 hours
- Each vibrating mechanism tube is protected by a 3/8" thick steel-backed rubber shield tack welded to the tube
- Eccentric shafts with adjustable weights for stroke adjustment
- Bronze sleeve between bearing and shaft

Drive System

- Deister heavy duty rubber torsion pivoted motor base, less motor support
- Wideband V-belt, and motor sheave
- Flywheel guard and belt guards, less mounting bracket

Screen Parameters

- Screen is horizontal

- Approximate operating speed: 790 RPM
- Approximate stroke setting: 11/16"
- Estimated weight (screen only): 23,100 lbs.
- Estimated weight (screen & H-beam base): 26,300 lbs.

Included Options

- Motor - 50 H.P., 1800 RPM, 3/60/220/440, TEFC, frame 326-T Toshiba Quarry Duty
- Spring Guards - Rubber flap spring protectors
- Snubber Guards

PEERLESS CHASSIS

- Portable chassis made using heavy-duty I-beam construction and including a Tandem axle suspension, eight 11.00 x 22.5 tires, mounted on 10-hole Budd wheels, air brakes on two axles, two stabilizing Jacks, four cribbing supports, mud flaps and tail-lights.
- Underscreen hopper made using ¼" thick plate with angle type bracing. Heavy-duty discharge chute made from ¼" thick plate.
- The manual roll-a-way discharge chute includes a top deck over chute and a middle and bottom deck chute with three rows of flop gates. Each row has four flop gate sections. The flop gates allow for blending of the products.
- Extended walkways and handrail for the roll-a-way chute above – bolt on
- Underscreen conveyor has a 60" belt width and is approximately 30'-0" long powered by a 10 H.P. electric motor, reducer, backstop, sheaves, V-belts and Drive guard. The conveyor includes 5" dia CEMA-C Troughing and Return Idlers. The belting used on this conveyor is 2-ply 3/16" x 1/16" with vulcanized splice and martin belt cleaner.
- Mounting plates for Run-on Jacks.
- Mounting frame holes for jack's power unit mount
- New walkways to clear jacks
- Complete plant is primed and painted Tan
- Two Product Conveyors 30" x 10'-0" long powered by a 5 H.P., TEFC electric motor, Dodge Quantis reducer. The belting used on this conveyor is 2-ply 3/16" x 1/16" cover with vulcanized lacing and martin belt cleaner. Conveyors fold for travel
- Switchgear and Wiring:
 - 480vac line 120vac control.
 - Main Circuit breaker [Door interlocked]
 - Panel to be mounted on one side of the plant.
 - NEMA starters for, 1x60hp, 1x10hp and 2x5hp
 - Additional 25HP starter
 - Starters circuit breaker protected.
 - Start and stop push buttons.
 - Power on light.
 - Hour meter
 - Pre-start warning horn system.
 - Plant Fully wired.

AMS Item 16685. Terms are Net 10 Days after receipt of equipment, subject to prior credit approval. Sales tax is additional and charged at the appropriate rate. Freight is also additional and charged at our actual cost.



