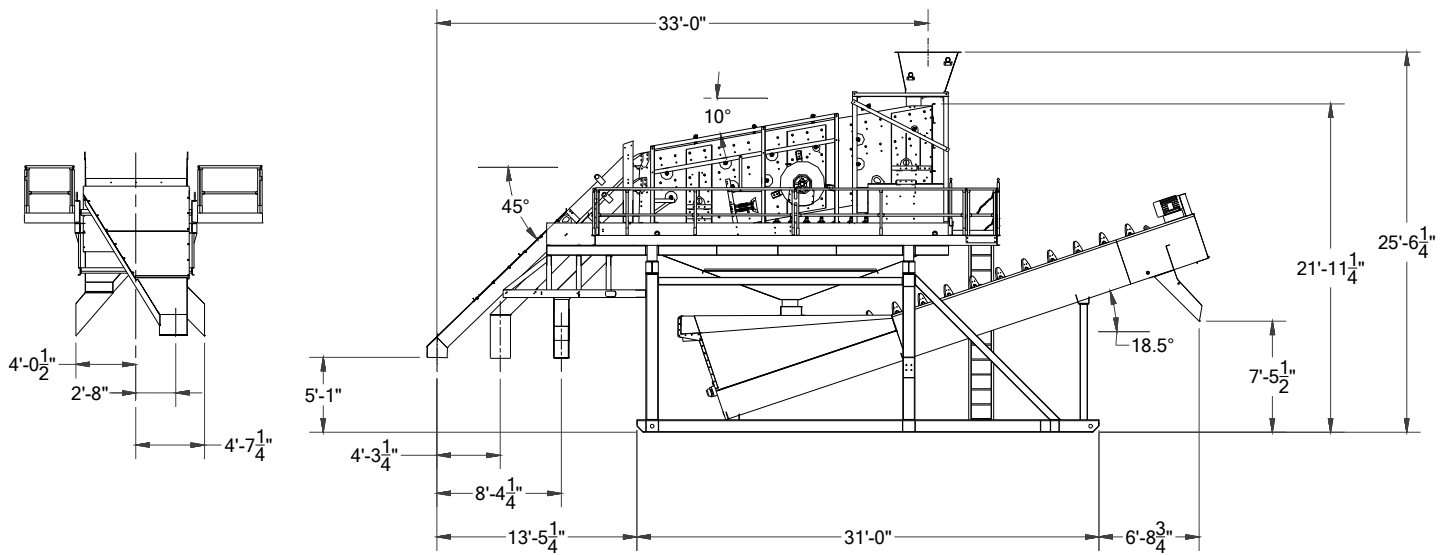
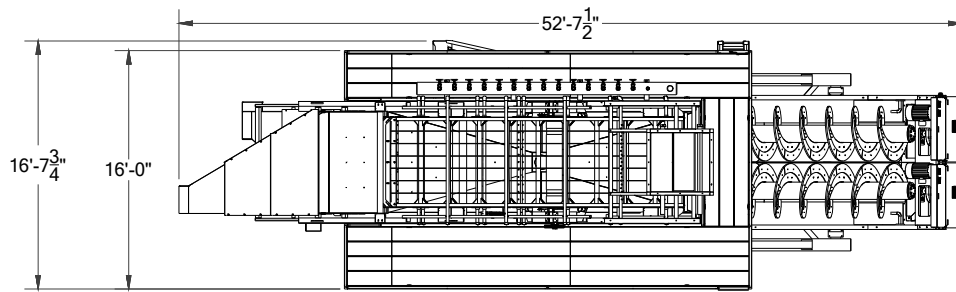


SERIES 1800 SCREENING/WASHING PLANT

Model 1830S Spec Sheet



● SCREEN

- KPI-JCI 6' x 20', 3-deck, 10°, wet vibrating screen
 - V-belt drive assembly with 40-HP, 1800 RPM motor
 - Huck-bolted assembly
 - 3/8" plate steel side plates
 - Two (2) 160-mm bearings
 - Eccentric shaft with bolt-in counterweights
 - Eight (8) coil spring suspension system
 - Side tension drawbar screen cloth retention system (screen cloth is optional)
 - Screen operates at 10° angle with a shaft speed of approx. 900 rpm

● FINE MATERIAL WASHER

- KPI-JCI Model 5044-32T (44" twin) fine material washer
 - Tank is of 1/4" (sides and bottom) and 3/8" (rear end plate) welded plate steel construction and includes a curved bottom with integral rising current manifold (4" dia. inlet)
 - Large undisturbed pool area with adjustable weir boards and overflow flume with 12" dia outlet
 - Double pitch, solid flight spiral assembly with standard AR steel inner wear shoes and standard urethane outer wear shoes
 - Greaseable, externally mounted Dodge Imperial E tail end flange bearing; greaseable Dodge pillow block head end bearing
 - Lower end seal - chrome plated stainless steel wear sleeve, water tight bellows type rubber seal and secondary grease seal
 - High efficiency v-belt drive assembly (one drive assembly per spiral) includes 20-HP TEFC motor and Dodge TA-II double reduction shaft mount reducer
 - Tapered discharge chute set at 45° angle to grade
- See Model 5044-32T Spec Sheet for additional information

● STRUCTURAL SUPPORT

- Steel 10" wide-flange support columns and 10" wide-flange skid runners on each side
- Broken down for shipment and match-marked for ease of assembly in the field

● WATER SYSTEM

- All fresh water plumbing to a single 8" inlet located near the tail end of the fine material washer
- Fine material washer manifold includes a 4" butterfly valve, 4" swing check valve and pressure gauge
- 1-1/2" chase water plumbing with gate valves
- Screen manifold with flow control valves for each spray bar
- Fourteen (14) spray bars with a total of one hundred ten (110) 7.0 gpm (@ 40 psi) spray nozzles and eighty-four (84) 15.0 gpm (@ 40 psi) spray nozzles
- 4" connection on the screen manifold for the optional feed box

● SCREEN CHUTES / FINES HOPPER

- 3/16" A36 welded plate steel construction
- Chutes allow for positioning of three (3) radial stackers under the chutes
- Fines hopper transitions to the feed box of the 44" twin fine material washer

● ACCESS

- 36" wide access platform with 1-1/2" OD handrails and toeboards across the feed end and one side of the screen
- 48" wide access platform with 1-1/2" OD handrails, and toeboards along drive side of the screen
- Ladder access from grade which can be located on either side of the plant

● PHYSICAL / OPERATING CHARACTERISTICS

- Feed Material Size - Typically 6" minus
- Capacity - Approximately 700 TPH (dependent on feed gradation and desired products)
- Water Requirements - Up to 2,700 gpm (dependent on feed gradation and desired products)
- Operating Dimensions
 - Length 52'-8" overall
 - Width 16'-8"
 - Height 21'-11-1/4" without feed box / 25'-6-1/4" with feedbox
- Loads
 - Overall 125,000 lbs
 - Note individual plant weights will vary dependent on options included

● OPTIONAL EQUIPMENT

- AR or urethane chute and hopper wear liners
- Fixed feed box with header pipes
- Wire mesh or urethane screen media
- Electrical package
- Blending gates
- Stair access vs ladder access
- Roll-away top & middle deck overs chutes

FOR MORE INFORMATION CALL 1-800-542-9311 AND ASK FOR A KOLBERG EQUIPMENT SPECIALIST

NOTE: Specifications are subject to change without notice.

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