

# 1822SH

## Screening/Washing Plant



### Screen

- 6 x 16 ft (1,830 mm x 4,880 mm) vibrating screen
- Triple shaft vibrating mechanism complete with 160 mm bearings
- Oval motion stroke pattern
- Adjustable stroke amplitude & angle
- Fully contained oil splash lubrication system
- ¼ in (6 mm) plate steel side plates
- Single crown decks with draw plates for side tension wire (wire cloth optional)
- Huck-bolted assembly
- V-belt drive with 40-HP (30 kW) motor
- Adjustable speed via adjustable motor sheave
- Steel coil springs

### Fine Material Washer

- 5036-25T (36 twin) fine material washer
- Tank is welded steel plate
- Tank has curved bottom with integral rising current manifold with 4-inch diameter ANSI flange inlet
- Large, undisturbed pool area with adjustable weir boards and overflow flume with 10-inch (254 mm) diameter 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
- V-belt drive (one drive per spiral) includes max 15 hp (11 kW) TEFC motor and Dodge double reduction shaft mount reducer

### Structural Support

- Steel support columns and 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 6 in NPT inlet located near tail end of the fine material washer
- Fine material washer manifold includes a butterfly valve, swing check valve and pressure gauge
- Chase water plumbing with gate valves
- Screen manifold with flow control valves for each spray bar
- 14 spray bars
- Connection on screen manifold for optional feed box

### Screen Chutes/Fines Hopper

- Welded steel plate construction
- Chutes allow for positioning of three radial stackers under the chutes
- Fines hopper transitions to feed box of twin fine material washer

### Access

- Access platform with handrails and toeboards across feed end and along both sides of the screen
- Ladder access from grade available on either side of plant

### 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 in place of ladder access
- Roll-away top and middle deck overs chutes

### Physical/Operating Characteristics

Dimension	Imperial	Metric
Feed Material Size	6" minus	152.4 mm minus
Approx. Capacity	400 TPH	363 MTPH
Water Requirements Up To	1,200 gpm	273 m <sup>3</sup> /h
Operating Length	43' 7"	13.3 m
Operating Width	16' 6"	5 m
Operating Height without Feed Box	16' 6"	5 m
Operating Height with Feed Box	20' 1"	6.1 m
Overall Load	94,000 lb	42,600 kg

