HP300-6x20-CC Closed Circuit Cone Plant

- Metso-Nordberg HP300 Cone Crusher with Lubinator common lube with 10 hp electric motor and hydraulic system with 10 hp electric motor, air radiator oil cooling fan with 5.5 hp electric motor. Includes extra lube oil heaters for cold weather operation, crusher tools in tool box.
- Toshiba 300 hp, 1200 rpm Quarry-duty TEFC electric motor with adjustable base frame, sheaves, v-belts and v-belt drive guard.
- Crusher Feed Basket with crusher overflow chute to undercrusher conveyor.
- 42” wide inclined SPLIT Screen Feed Conveyor, hydraulically folds to ease crusher liner changes, lagged head and heavy-duty winged tail pulley, return belt plow, 3-ply belt with vulcanized splice, rubber disc returns, steel side skirtboards, belt wiper, Dodge reducer with 20 hp, 1800 rpm TEFC electric motor.
- 42” wide horizontal screen feed conveyor over screen with receiving hopper, 3-ply belt with vulcanized splice, wiper, Dodge reducer with 10 hp 1800 rpm TEFC electric motor, hydraulic raise/lower for transport.
- Metso 6’x20’ FS303-CL Horizontal Triple Deck Vibrating Screen with Modular Vibrator (MV) triple shaft design, single crown side-tension decks, feed box with rubber liner. Toshiba 50 hp, HST, TEFC electric motor with pivot base.
• Walkway with railing around 3 sides of screen with walkover screen motor, swing spring doors, ladder to grade on each side of plant.
• Top deck overs to crusher. Center deck overs to crusher or to center cross conveyor or to bottom deck cross conveyor. Bottom deck overs to cross conveyor. 25% blending gates included.
• 18” x 11’ upper product cross conveyor with 7.5 hp 1800 rpm electric motor, wiper. Conveyor is slideable, mounted on rollers. Belt rotation is reversible to discharge either side of plant-selector switch on electrical panel.
• 24” x 11’ lower product cross conveyor with 7.5 hp 1800 rpm electric motor, wiper. Conveyor is slideable, mounted on rollers. Belt rotation is reversible to discharge either side of plant-selector switch on electrical panel.
• 60” wide underscreen rear discharge conveyor with 3-ply belt with vulcanized splice, wiper, Dodge reducer and 15 hp, 1800 rpm electric motor.
• 36” wide undercrusher recirculating inclined conveyor with 3-ply belt with vulcanized splice, belt plow, rubber disc returns, wiper, Dodge reducer and 15 hp, 1800 rpm electric motor.
• 36” x 6’ recirculating cross conveyor with belting with vulcanized splice, 7.5 hp, 1800 rpm electric motor. Belt rotation is reversible to allow plant to run in open circuit - selector switch on electrical panel.
• Centralized grease station to ease maintenance of conveyor bearings.
• Heavy-duty WF-beam mainframe chassis
• Hydraulic Run-on style jacks (6) for chassis raise/lower, 18” long stroke, labeled manual levers, Honda GX240 Gas Engine with steel enclosure. Manual swing-down jacks (2) at kingpin end of plant, adjustable bottle jack mounted on end.
• Quad Axle with 11R22.5 dual tires, air suspension with air brakes, lights, mudflaps.
• Complete Electrical Package with Square D NEMA electrical Starters&Breakers installed in a weather-tight electrical enclosure, start-stop and E-stop pushbuttons mounted on door face, amp gauge for crusher motor, main disconnect, warning horn, wiring from panel to each on-plant electric motor. Panel mounted on skid frame for removal from plant during operation. Includes electrical schematic inside panel for trouble-shooting. Note: End user to provide and install main power supply cord to panel and provide proper grounding.
• Unit sandblasted, primed, finish painted Metso beige color. Guarding, railing, ladders painted safety yellow color.
• Optional kingpin jeep available for transport.

For more information call Mark Bothwell at 515-681-8140, or Craig Harman at 515-681-0520