

# LP Screen

## Horizontal Screen



### Screen Features

- Three shaft adjustable oval motion stroke motion
- Two and three decks models available
- Low overall screen height for portability
- Huck bolted design
- Quickly adjusts to a finer or coarser screening application by adjusting stroke angle, length and speed
- Six superior load carrying double roll bronze caged spherical bearings
- "Titan" non contact drive seal
- Fully contained oil splash lubrication system
- Includes belt guard, motor mount , drive belt and drive sheaves
- Balanced design to accept various length discharge lips
- High strength long lasting drawplates
- Bolt on AR lined feedbox and 4 " AR lined discharge lips
- Adjustable snubbers for screen stability
- Rubber springs to reduce basket , gear and bearing stress (Also reduces noise)
- Self aligning spherical draw bolt washers
- Favorable shaft assembly location under the center of gravity
- Bolt in deck bracing reduces deck and basket stress
- Spray hole knockouts
- Access cover standard on three deck models
- Right hand drive
- Dual belt drive on 38 shaft assemblies

## Options

- 1,200 rpm TEFC Motor
- Screen Media
- Spray System
- Left Hand Drive
- Baseframe
- Coil Springs with Guards
- Lifting Bars
- Top Deck Fall Protection
- Bolt on Spray Hole Covers
- 5" addition Clearance between Top and center deck
- Consult Factory on Additional Feedboxes and discharge lips configurations
- Urethane Decks
- Divided Crown decks Center and Bottom
- Top deck crown adapter kit
- Free board extensions
- Rubber Liners for : Feed box, discharge lips, Shaft tubes, cross members and bracing
- Non Standard Paint colors

| Feature                                        | Specification                  |
|------------------------------------------------|--------------------------------|
| Adjustable Stroke Length (Amplitude)*          | Maximum 5/8" to 3/4"           |
| Adjustable Stroke Angle (Timing Angle)         | 30° to 60°                     |
| Operating Speed Range                          | 675 - 875 RPM                  |
| Maximum Feed Size                              | 10"                            |
| Maximum Media Weight                           | 8lbs/ft <sup>2</sup> each deck |
| Maximum top deck opening (14' - 16' screens)   | 5"                             |
| Maximum top deck opening (20' and 24' screens) | 4"                             |
| Maximum Feed Drop Height                       | 18"                            |
| Cloth Support Bar Thickness                    | 3/8"                           |
| Deck Cross Member Spacing                      | 24"                            |
| Sideplate Thickness                            | 1/4"                           |
| Reinforcing Plate Thickness                    | 1/4"                           |
| Feedbox Liner Thickness (AR Plate)             | 1/4"                           |
| Discharge lip liner thickness (AR plate)       | 1/4"                           |

\* Stroke reduced by removing weight plugs. Minimum stroke between 1/2" and 5/8". Stroke Measured at center of screen with standard wire cloth, 4" discharge lips and 24" feedbox.

## Physical and Operating Characteristics

| Model     | Power Required |    | Weight* |        | Bearing Size | Top and Center Deck Rail Spacing |         | Wire Cloth Support Straps and Drawplate Length |                  | Oil Capacity (per side) |        |
|-----------|----------------|----|---------|--------|--------------|----------------------------------|---------|------------------------------------------------|------------------|-------------------------|--------|
|           | HP             | kW | lb      | kg     |              |                                  |         | ft                                             | m                | Gallons                 | Liters |
| 5142-32LP | 25             | 19 | 13,500  | 6,124  | 160          | 3 Rails                          | 5 Rails | 7                                              | 2.1              | 2.351                   | 8.9    |
| 5143-32LP | 25             | 19 | 15,200  | 6,895  | 160          | 3 Rails                          | 5 Rails | 7                                              | 2.1              | 2.351                   | 8.9    |
| 5162-32LP | 25             | 19 | 13,800  | 6,260  | 160          | 3 Rails                          | 5 Rails | 4                                              | 1.2              | 2.351                   | 8.9    |
| 5163-32LP | 30             | 23 | 16,700  | 7,575  | 160          | 3 Rails                          | 5 Rails | 4                                              | 1.2              | 2.351                   | 8.9    |
| 6162-32LP | 30             | 23 | 15,100  | 6,849  | 160          | 5 Rails                          | 7 Rails | 4                                              | 1.2              | 2.351                   | 8.9    |
| 6163-32LP | 40             | 30 | 18,660  | 8,464  | 160          | 5 Rails                          | 7 Rails | 4                                              | 1.2              | 2.351                   | 8.9    |
| 6202-32LP | 40             | 30 | 19,400  | 8,800  | 160          | 5 Rails                          | 7 Rails | 4 (5 Option)                                   | 1.2 (1.5 Option) | 2.351                   | 8.9    |
| 6203-32LP | 40             | 30 | 22,150  | 10,047 | 160          | 5 Rails                          | 7 Rails | 4 (5 Option)                                   | 1.2 (1.5 Option) | 2.351                   | 8.9    |
| 7202-38LP | 50             | 38 | 21,600  | 9,797  | 190          | 6 Rails                          | 8 Rails | 4 (5 Option)                                   | 1.2 (1.5 Option) | 5.624                   | 21.289 |
| 7203-38LP | 50             | 38 | 25,700  | 11,657 | 190          | 6 Rails                          | 8 Rails | 4 (5 Option)                                   | 1.2 (1.5 Option) | 5.624                   | 21.289 |
| 8202-38LP | 60             | 45 | 28,100  | 12,746 | 190 Wide     | 7 Rails                          | 9 Rails | 4 (5 Option)                                   | 1.2 (1.5 Option) | 5.624                   | 21.289 |
| 8203-38LP | 60             | 45 | 31,900  | 14,470 | 190 Wide     | 7 Rails                          | 9 Rails | 4 (5 Option)                                   | 1.2 (1.5 Option) | 5.624                   | 21.289 |
| 8243-38LP | 75             | 56 | 43,000  | 19,504 | 190 Wide     | 7 Rails                          | 9 Rails | 4                                              | 1.2              | 5.429                   | 20.551 |

\*Weights are approximate and include wire cloth, drive and baseframe.