

SPECIFICATIONS – INCLINED DESTRATIFIER

July 23, 2022

PROPELLER:

- 6 Feet 3 Inch Diameter
- Weedless
- 304 Stainless Steel Weldment
- Blades 7 Gauge (.179") 304 Stainless Steel
- Standard Prop Reversible by (1) Remove & Turn Over; and (2) Lead Wire Swap

MOTOR / REDUCER:

- 3 HP, 3-Phase, 230/460 Volt
- 1800 RPM Motor
- Single Stage Reducer with Oil Level Sight Gauge
- 41 RPM Output Shaft
- Reversible by Lead Wire Swap

DRIVESHAFT :

- 304 Stainless Steel Pipe
- Precision Machined Upper Hub for Coupling
- Precision Machined Lower Hub for Propeller Shaft
- Length to Position Propeller 7-8 Feet below Surface in Vertical Position

DRIVESHAFT HOUSING:

- 304 Stainless Steel
- Upper Flange Bolted to Housing Adapter
- Tapered Lower End Bearing Support

BEARING – UPPER:

- Deep Groove Double-Sealed Ball
- Located Above Waterline
- L10 Life Exceeds 1 Million Hours (114 Years)

BEARING – LOWER:

- Submerged Sleeve, Water-Lubricated
- High-Wear, Non-Corrosive Polymer
- Replaceable Without Removing Propeller

COUPLING:

- Lovejoy Jaw Type, Hytrel Spider

HOUSING ADAPTER:

- Hot Rolled Steel Weldment
- Precision-Machined Upper Bearing Bore
- Motor Face Alignment Register

PONTOONS:

Polyethylene
Rotation Molded
EPS Foam Filled

PONTOON FRAME:

Triangular
13'-3" Long x 7'-11" Wide
304 Stainless Steel
3" Schedule 40 Pipe and 7 Gauge(.179") Formed
Bolted Construction
304 Stainless Steel Corner Brackets
Supports Winch and Pulley for Anchor Deployment

DIRECTIONAL PIVOT:

Adjustable through Full 90 Degrees from Horizontal to Vertical
304 Stainless Steel Shaft & Lever
Rotated by 2-Speed Winch & Stainless Steel Cable
Located Totally above Waterline

MOTOR CONTROL (OPTIONAL):

Variable Frequency Drive (VFD)
Motor Filter

POWER CORD (OPTIONAL):

Type SOW

ANCHOR CABLES (OPTIONAL):

Stainless Steel
3/16" 7x19
Shackles for Quick Frame Attachment

ANCHOR FRAMES (OPTIONAL):

Quantity 3
Stainless Steel
Each retain 18 Concrete Blocks, Standard 16" x 8" x 8" Hollow