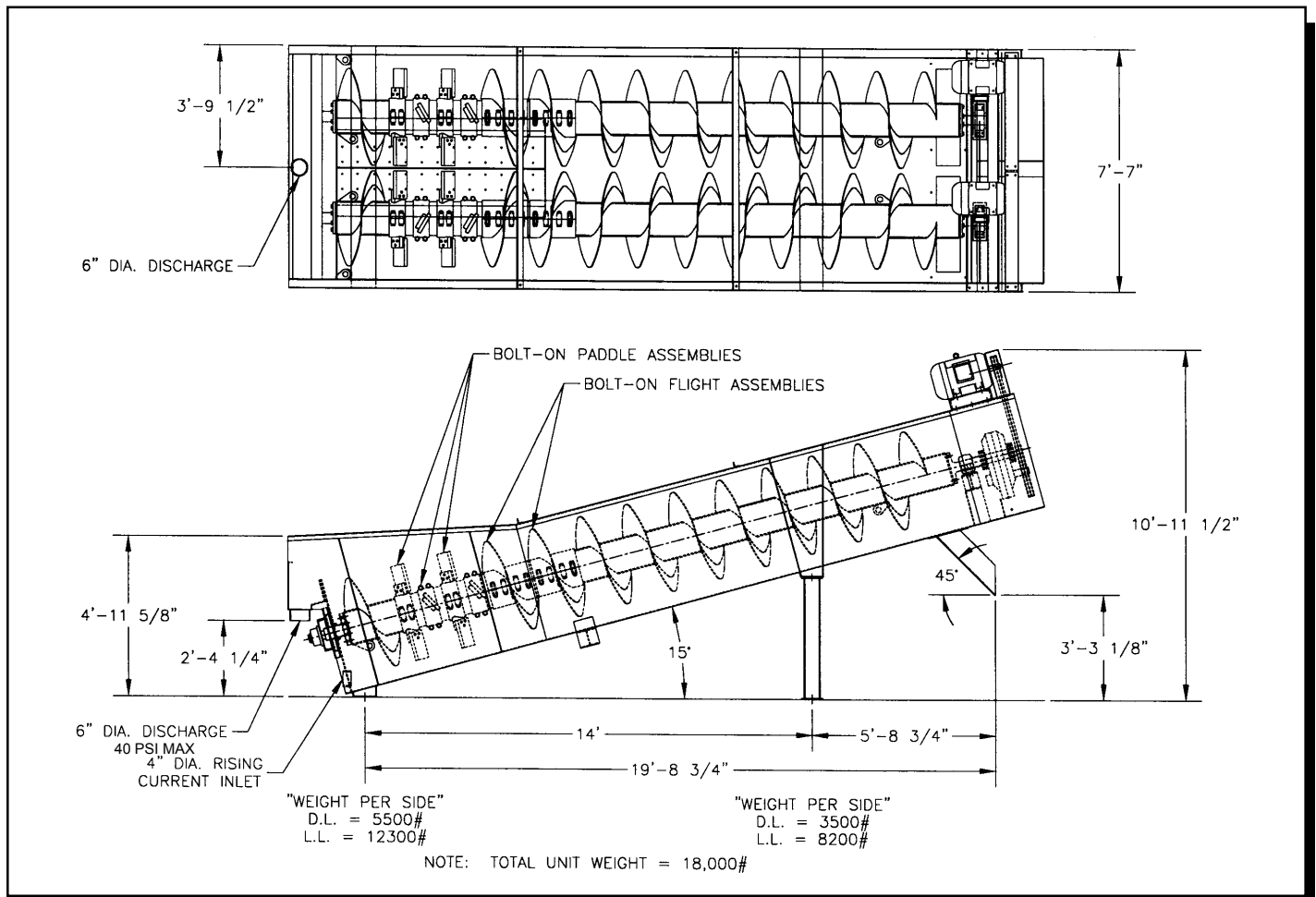




SERIES 6000 COARSE MATERIAL WASHER MODEL 6036-19T Spec Sheet



MAIN TANK:

The tank is of 1/4" (sides & bottom) and 3/8" (lower end plate) welded plate steel construction to eliminate leaks and provide long service life. Additional features of the tank design include: 1) Curved bottom with integral rising current manifolds (single 4" inlet) designed to provide additional water turbulence for sharper classification, 2) Long narrow tub designed for maximum agitation for increased material suspension, 3) Full width overflow weir to handle large volumes of slurry and 4) Overflow flume with 6" dia. outlet.

SPIRAL ASSEMBLY:

Heavy wall 12" pipe is the foundation for the double pitch, combination flight/paddle spiral assembly (one right-hand & one left-hand). The standard spiral configuration consists of four (4) bolt-on paddle assemblies (two (2) replaceable

Ni-Hard paddle tips per assembly) and two (2) bolt-on flight assemblies. The balance of the spiral assembly is of welded solid flights with bolt-on replaceable AR steel inner wear shoes and Ni-Hard outer wear shoes for long wear life and complete protection of the flight. This configuration provides adequate water turbulence and scrubbing action for most applications, however, if additional water turbulence and scrubbing action is required, each bolt-on flight assembly can be replaced with two (2) bolt-on paddle assemblies (total of eight (8) bolt-on paddle assemblies (16 paddle tips) possible per spiral). A greaseable, externally mounted Dodge flange bearing provides support of each spiral at the lower end of the unit while a greaseable pillow block Dodge bearing provides support at the head end of each spiral. A stainless steel wear sleeve, water tight rubber seal and secondary grease seal prevent leakage and wear on the lower stub shafts for longer service life.

NOTE: Specifications are subject to change without notice.

DRIVE ASSEMBLY:

The high efficiency v-belt drive assembly (one drive assembly per spiral) reduces horsepower requirements for longer motor life and reduced maintenance. Included within each drive assembly is a standard Dodge TA6307H40 double-reduction gear reducer and 25 HP TEFC motor.

DISCHARGE CHUTE:

The tapered discharge chute is installed at a 45° angle to grade to ensure material discharge into a stockpile or stacking conveyor.

SUPPORT ASSEMBLY:

Independent support structures with 6" wide-flange columns are provided to ensure the coarse material washer is set at the correct angle for proper operation.

PHYSICAL/OPERATING CHARACTERISTICS:

Material: Typically -2-1/2" x +3/8"
 Angle of Operation: 15°
 Capacity: Up to 350 TPH
 Speed: 30 rpm
 Water Requirements: Up to 900 gpm
 Dimensions: 23'-8" long x 7'-7" wide x 11'-0" high (in the operating position)
 Loads: Approx. Dead Load = 18,000 lbs.
 Approx. Live Load = 41,000 lbs.

NOTE: Specifications are subject to change without notice.

MODEL	CAPACITY (TPH)	SPIRAL SPEED (RPM)	MINIMUM MOTOR HP	WATER REQ'D (GPM @ 25 PSI)
SINGLE SPIRAL CONFIGURATIONS:				
6024-15S	60-75	40	15	300-400
6036-19S	150-175	30	25	400-600
6048-23S	200-250	22	40	500-700
TWIN SPIRAL CONFIGURATIONS:				
6036-19T	300-350	30	25	700-900
6048-23T	400-500	22	40	800-1000

NOTES: Two (2) motors required on twin units.
 24" dia. unit offered only in single spiral configuration.

**FOR MORE INFORMATION CALL 1-800-542-9311 AND ASK FOR A KOLBERG EQUIPMENT SPECIALIST.
 YOUR AUTHORIZED DEALER:**

KOLBERG-PIONEER, INC.

700 W. 21st Street - P.O. Box 20
 Yankton, South Dakota 57078
 Phone: (605) 665-8771 - FAX: (605) 665-8858
 mail@kolbergpioneer.com - www.kolbergpioneer.com

Because Kolberg-Pioneer, Inc. may use in its catalog & literature, field photographs of its products which may have been modified by the owners, products furnished by Kolberg-Pioneer, Inc. may not necessarily be as illustrated therein. Also continuous design progress makes it necessary that specifications be subject to change without notice. All sales of the products of Kolberg-Pioneer, Inc. are subject to the provisions of its standard warranty. Kolberg-Pioneer, Inc. does not warrant or represent that its products meet any federal, state, or local statutes, codes, ordinances, rules, standards or other regulations, including OSHA and MSHA, covering safety, pollution, electrical wiring, etc. Compliance with these statutes and regulations is the responsibility of the user and will be dependent upon the area and the use to which the product is put by the user. In some photographs, guards may have been removed for illustrative purposes only. This equipment should not be operated without all guards attached in their normal position. Placement of guards and other safety equipment is often dependent upon the area and the use to which the product is put. A safety study should be made by the user of the application, and, if required additional guards, warning signs and other safety devices should be installed by the user, wherever appropriate before operating the products.