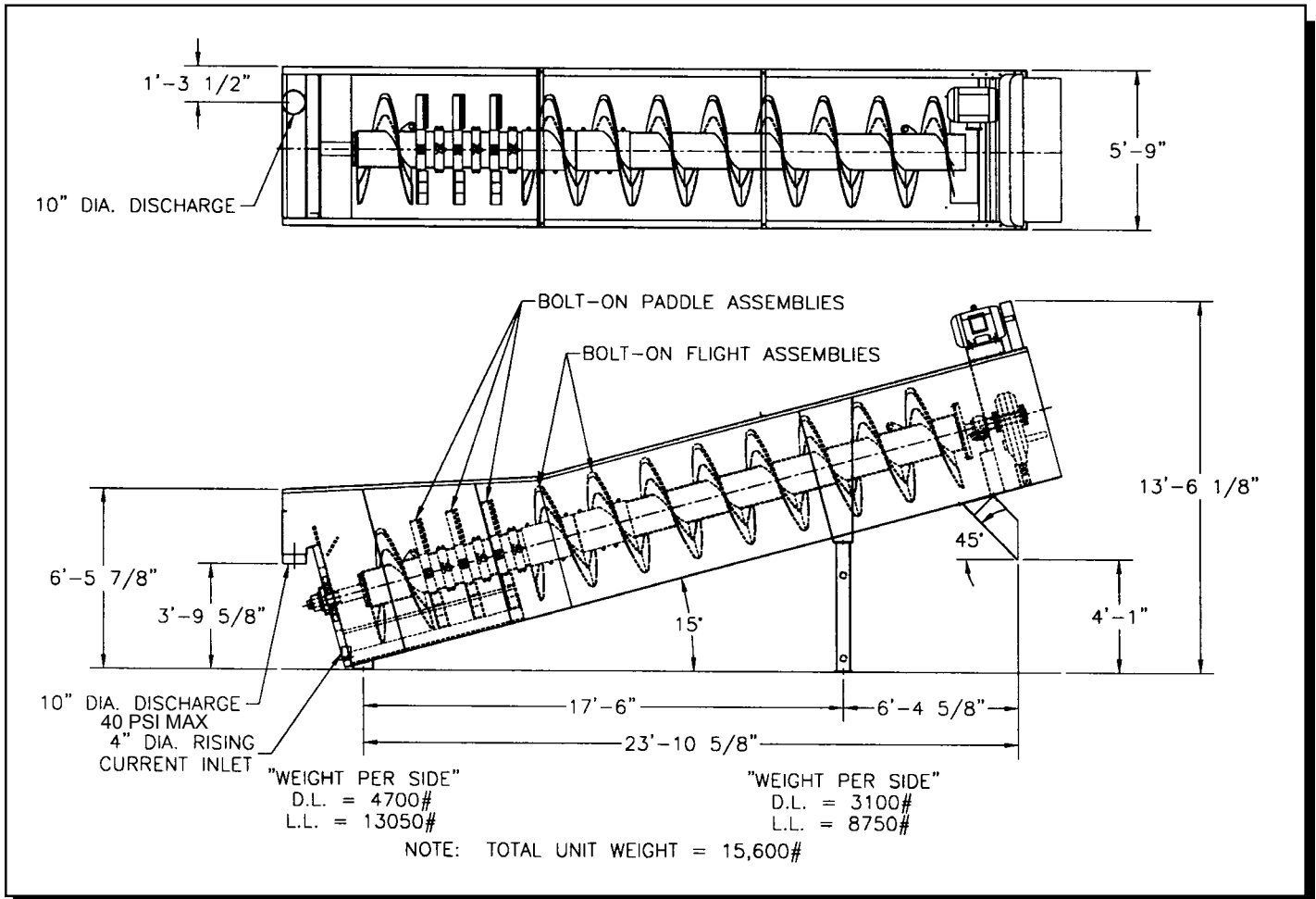




SERIES 6000 COARSE MATERIAL WASHER MODEL 6048-23S Spec Sheet



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 manifold (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 10" dia. outlet.

SPIRAL ASSEMBLY:

Heavy wall 16" pipe is the foundation for the double pitch, combination flight/paddle spiral assembly. The standard spiral configuration consists of six (6) 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 three (3) bolt-on paddle assemblies (total of twelve (12) bolt-on paddle assemblies (24 paddle tips) possible). A greaseable, externally mounted Dodge flange bearing provides support of the spiral at the lower end of the unit while a greaseable pillow block Dodge bearing provides support at the head end of the spiral. A stainless steel wear sleeve, water tight rubber seal and secondary grease seal prevent leakage and wear on the lower stub shaft for longer service life.

NOTE: Specifications are subject to change without notice.

DRIVE ASSEMBLY:

The high efficiency v-belt drive assembly reduces horse-power requirements for longer motor life and reduced maintenance. Included within the drive assembly is a standard Dodge TA8407H40 double-reduction gear reducer and 40 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 250 TPH
 Speed: 22 rpm
 Water Requirements: Up to 700 gpm
 Dimensions: 28'-5" long x 5'-9" wide x 13'-6" high (in the operating position)
 Loads: Approx. Dead Load = 15,600 lbs.
 Approx. Live Load = 43,600 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:**

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