Customer: Stevens & Thompson Paper Company

Location: Greenwich, New York

Purchase Order No. 216 Date: 2-21-73

SLUSH-MAKER UNIT DATA:

Pulping Unit: Serial No. 34HGV-311 Size: 34" Model: HGV

Material: 410 S.S.

Type Rotor Blades: 34-H114 (R.H.)

Type Defibering Plates:

Type Extraction Plates: 34-H130-1

Hole Size: 3/8"

33% Open Area

Rotation: Clockwise

Gear Reducer: Serial No. GV13-3 Model: GV13 Ratio: 4.35:1

Rotation, input shaft: Counter clockwise (looking at end of shaft)

SLUSH-MAKER TANK DATA: Type Tank: Cust. Existing Hypropulper Tank Capacity:

Material: Tile

Optional Equipment:

Continuous Extraction Elbow: 12"
Grill: None
Screen Box: None
Hood Type: None
Spray Ring: None
Other: Coupling Guard, Dodge PH 192 Coupling, Gear Base

Certified Installation Drawings: P7393
and Installation Notes: P7394

FOUNDATIONS

Metal Tanks: The foundation for the Slush-Maker metal tank should be monolithic, steel reinforced concrete or fabricated steel, or a combination of both. No appreciable vibration is caused by the rotation of the pulping unit, but surging of water within the tank and circulation of broke slabs, baled broke or pulp sheets can cause vibration. The degree of such shock or vibration is determined essentially by the method of charging size and nature of the charge and the method used to operate the Slush-Maker. Therefore, it should be designed to withstand shock and vibrations which occur from the operation equipment of this type.

The foundation design can vary to suit mill conditions but must be sufficiently rigid in construction to avoid any possibility of stresses developing between the pulping unit and the tank. Refer to 40-30-150 for typical Slush-Maker tank foundations.

Tile Tanks: The foundation for the Slush-Maker tile tank must follow and meet construction standards set forth by the tile supplier.

Weight Tables: The following weights in tables A through F are approximate values which are related to tanks and equipment of STANDARD DESIGN ONLY. Tanks and equipment of special design or optional equipment may add to the weights given in these tables. To determine the total weight of all components from the tables, refer to the title page of this manual for a complete description of the unit(s), then add all weights which apply to the unit description. NOTE: For foundation design purposes, use the flooded weight values given in Table F (stock-weight).

A. HGV Slush-Maker & Gear Unit: ----(less gear base and motor base);

Unit Size	34HGV	43HGV	54HGV
Approx. Weight	6,000#	10,000#	14,000#

B. Base for HGV Slush-Maker & Gear Unit:

Unit Size	34HGV	43HGV	54HGV
Approx. Weight			

C. Motor Base:

Motor Size	125-200	250-350	400-500	600
Approx. Weight				

D. Slush-Maker Metal Tank (empty):

Standard Tank Size	1500	2000	3000	4000	6000	8000
Approx. Weight						

E. Slush-Maker Tile Tank with 11" Wall (empty):

Tank Size	1500	2000	3000	4000	6000	8000
Approx. Weight						

NOTE: A special tank, hood, or freeboard will alter the above values. Contact Morden Machines Company for specific information.

F. Stock weight (Based on 6% A.D. Stock):

Tank size	1500	2000	3000	4000	6000	8000
Rated Capacity (ft^3)	400	533	800	1066	1600	2132
Approx. Weight (at rated capacity)	25,000#	33,000#	50,000#	66,666#	100,000#	133,332#
Weight at flooded capacity						

NOTE: Use flooded weight values for foundation design purposes.

Pulping Unit Foundation: The foundation for the Slush-Maker pulping unit (with or without gear reducer) should be monolithic, steel reinforced concrete or fabricated steel or a combination of both. It should be noted that broke slabs and bales circulating within the tank will transmit shock load vibrations of various degrees (dependent on how the unit is charged and operated) to the Slush-Maker and gear reducer. Therefore, construction of the foundation should follow accepted engineering and construction practices for equipment of this type.

Foundation Bolts: The foundation bolts for the pulping unit sole plates are supplied as part of the equipment, as shown on page 40-50-50. All other foundation bolts are to be furnished by the mill. Pockets for all foundation bolts should be at least 8" deep with allowance for 1" lateral movement in all directions. See page 40-50-50.

Allow at least a 3" space for shims and grout under pulping unit soleplates and tank foundation pads.

TANK ASSEMBLY

Metal Tank (Welded Construction): The standard type BR metal tank consists of multiple sections which are fitted together, temporarily fastened with bolts and then field welded to form unitized construction of the tank. NOTE: Refer to the certified installation detail prints for complete field welding instructions. For a further graphic description of tank assembly, refer to Page 40-30-151 HGV where the assembly of the tank sections, adapter plate and tank support pads are shown in greater detail.

Tile Tank or Tile Lined Concrete Tank: The fabricated metal adapter should be installed in the tile tank when the concrete is poured. It is imperative that the bolting flange of this adapter be located with precision (true in position, elevation and levelness) so as to mate precisely with the Slush-Maker unit.