

PRODUCT DATA SHEET

October, 2007

EZ CLEAN FIXED AXLE MIX TANK

GENERAL INFORMATION

This tank has a smooth interior wall for easy cleaning.

WEIGHTS AND MEASURES

» Capacity:	480 BBL (20,160 gallons)
» Height:	11'-2" (grade to roof deck) 14'-8" (grade to top of upright guardrails)
» Width:	8'-6" (between side runners)
» Length:	39'-9" (front nose to outside of rear stairway) 37'-6" (tank only)
» Weight:	31,650 lbs.

STRUCTURAL DESIGN

» Floor:	¼" thick ASTM A36 carbon steel (V-bottom)
» Sides/Ends:	¼" thick ASTM A36 carbon steel
» Top Deck:	¼" thick ASTM A36 carbon steel
» Wall Frame:	3/16"x3"x5" ASTM A36 formed channel
» Roof Frame:	3/16"x3"x5" ASTM A36 formed channel

FEATURES

» Relief Valve:	16 oz./in ² pressure setting, 0.4 oz./in ² vacuum setting; Buna-N seal.
» Valves:	1-Front & 1-Rear: 6"- wafer butterfly valve. Cast iron body, Buna-N seat & seals, 316 SS stem, Nylon 11 coated ductile iron disk w/ plug and chain.
» Front Piping Connections:	<u>Bottom Drain:</u> 6"-150# flanged nozzle and butterfly valve <u>Inlet/Outlet:</u> 2 - 4"-150# raised face flange with blind flange (chained) <u>Steam Coil:</u> 2 - 3"-150# raised face flange with blind flange (chained) <u>Thermowell:</u> 2 - 2"-150# raised face flange (chained) with ¾" threaded plugged coupling for probe insertion. One on lower vertical wall and one on upper vertical wall.
» Rear Piping Connections:	<u>Bottom Drain:</u> 6"-150# flanged nozzle and butterfly valve <u>Inlet/Outlet:</u> 2 - 4"-150# raised face flange with blind flange (chained)
» Roof Deck Connections:	<u>Vapor Recovery:</u> 4"-150# flange (blinded) <u>Gauging Port:</u> 4" flange (blinded) with 2" threaded plugged port in blind flange. <u>Top Fill:</u> 4"-150# flange (blinded)
» Heating Coils:	3" sch. 80 pipe with 105 ft ² of surface area
» Guardrails:	Top deck, fold-down, 1¼" x 1¼" square tubing.

FEATURES – cont.

» Interior Access:	2-50" long x 32" wide hinged vapor-proof marine-style hatches with neoprene gaskets and removable fall protection grid.
» Roof Access Stairway:	Rear mounted – lower section folds up for transport and down for use. Stairway includes handrails.
» Internal Ladder:	One; mounted below front-end interior access hatch on roof deck.
» Level Indication:	Ball style with 2-8" 304 SS floats with pointer-indicator on front endwall. Floor supports hold floats ½" off floor. [One 2" plugged connection for optional electronic gauge on top deck.]
» Electric Motors:	Four Marathon 10 hp., type TGS, 215TC frame, 230/460 volts, 60 HZ, 3 phase, 1755 RPM, 25/12.5 F.L. amps, 1.0 service factor, EPFC enclosure, 60°C max. ambient temperature.
» Gearboxes:	Model KAF87AM215TC, reduction ratio 24.92:1 (Input speed:1744 RPM, Output speed: 70 RPM). 2-3/8" dia. output shaft.
» Mixer Shafts:	4- 80" long x 2-3/8" diameter, ASTM A1018.
» Mixer Blades:	<u>Long (bottom) Blades:</u> 1/2" thk. X 6" wide x 17" long (41" swing path dia.) <u>Short (upper) Blades:</u> 1/2" thk. X 6" wide x 11-5/8" long (30-3/8" swing path dia.) One set of each per each mixer shaft. Material is ASTM A514.(Flow direction is downward)
» Axle:	77½ track straight, non steer, 19,000# capacity.
» Suspension:	Silent Drive, 3 air-bags with manual release.

SURFACE DETAILS

» Exterior Coating:	High gloss polyurethane
» Interior Coating:	None

ELECTRICAL SPECIFICATIONS

» Power Supply:	480V ±5%, 3-phase regulated voltage & current supply capable of supplying 60A min. (by customer)
» Motor Control:	NEC and OSHA compliant control panel on front wall of tank.

TESTS/CERTIFICATIONS

» Tests Performed:	Hydrotest, electrical checks, and air pressure test of coil by mfr. Level I, II and III inspections on a scheduled basis by Baker.
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