

# LAGOON PUMPS

## ULTRA-PUMP TRAILER



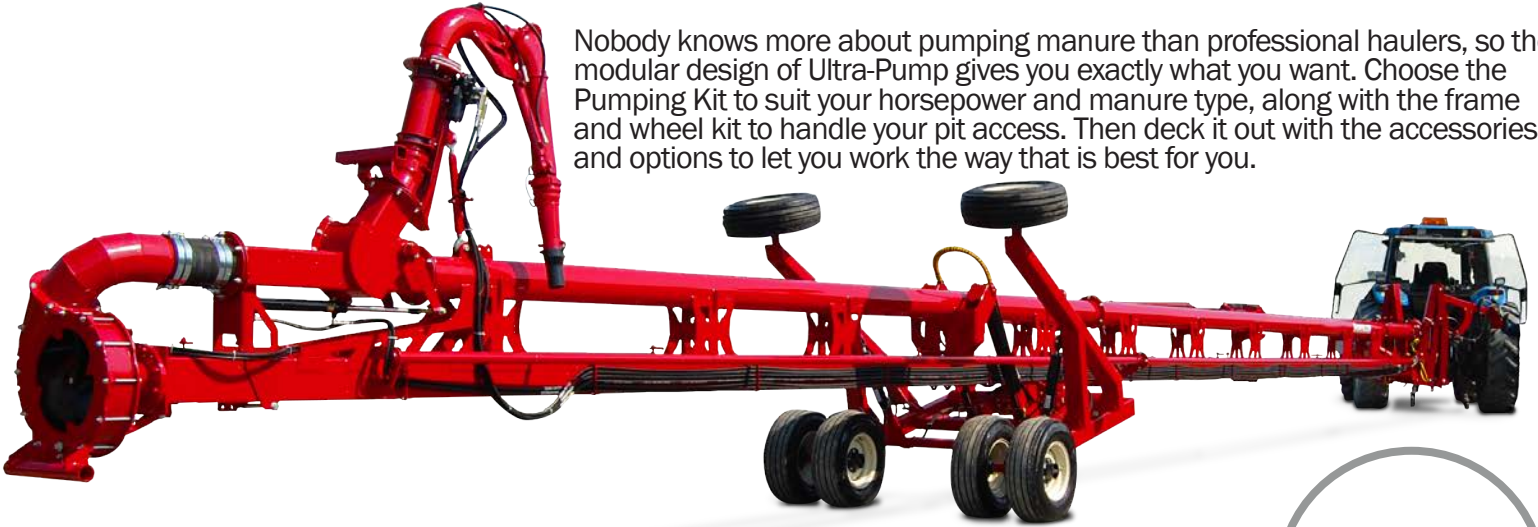
## 3-PH MOUNTED ULTRA-PUMP



# ULTRA-PUMP LAGOON PUMPS

are always the perfect fit for your operation because you choose how to build it.

Nobody knows more about pumping manure than professional haulers, so the modular design of Ultra-Pump gives you exactly what you want. Choose the Pumping Kit to suit your horsepower and manure type, along with the frame and wheel kit to handle your pit access. Then deck it out with the accessories and options to let you work the way that is best for you.



The easy-access service doors make greasing simple.



Ultra-Pumps feature a heavy wall 8-5/8" (22 cm) discharge pipe and an 8" x 8" (20 cm x 20 cm) main beam that work together as a rigid truss, providing a strong frame for your pump.

The unique design does not trap manure, so Ultra-Pump trailers are easy to clean.



## TRAILER MODELS



32', 42', 52', 62', 72' models  
(10 m, 13 m, 16 m, 19 m, 22 m)

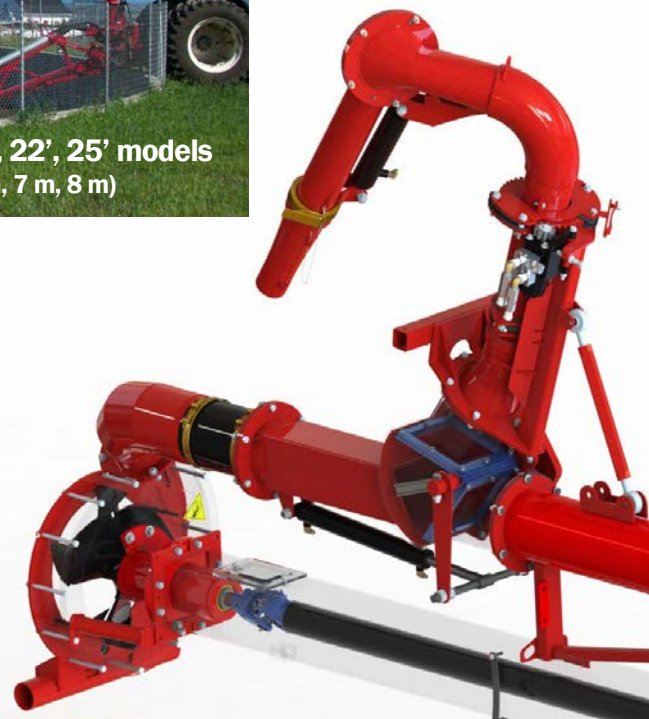
## 3-PH MOUNTED MODELS



19', 22', 25' models  
(6 m, 7 m, 8 m)

## HEAVY-DUTY FEATURES IN EVERY ULTRA-PUMP

- 4" (10 cm) diameter driveline
- 8" (20 cm) discharge pipe
- Flapper valve with 1-1/2" (4 cm) thick door
- Unique cannon with unlimited range
- Bolted connections for easy service





# PUMPING KITS FOR EVERY NEED:

Heavy crust, bottom sludge or sand, we have it covered.

With the largest range of pumping kits in the industry, you can choose the ideal model for your needs.



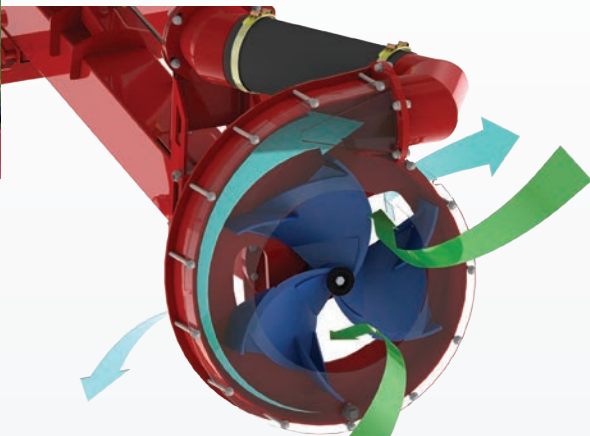
The “next generation” oil bath bearing assembly offers unmatched protection against sand and twine.



All ULTRA-PUMP impeller choices are available in optional HARDOX-450™ Abrasion-Resistant steel for maximum life in sand.



## PUMPELLER HYBRID TURBINE



The high volume mixing action makes PUMPELLER a great choice in sand.

The center of the PUMPELLER turbine is a propeller that creates a powerful intake suction that pulls in tough solids and obliterates them at up to 50 cuts per second. The integral impeller blades on the outer edge deliver fast load-out and high cannon pressure.



## STANDARD IMPELLER KITS

Our standard impellers are equipped with large inlets and big paddles to handle the tough demands of manure pumping. The smooth 8" (20 cm) discharge maximizes performance.

- 540 RPM x 100 HP
- 1000 RPM x 160 HP
- 1000 RPM x 225 HP



## GEARBOX & PROP

These gearbox models are equipped with either a mixing auger or our high performance 2-bladed propeller to provide rapid mixing of tough bedding. The hardened ledger knife quickly cuts hay or other stringy materials.

- 540 RPM x 135 HP
- 1000 RPM x 180 HP
- 1000 RPM x 240 HP

# THE POWERBOOM HYDRAULIC LOADING PIPE

makes transport and set up a simple one-man job.

The 8" x 28' (20 cm x 9 m) Powerboom loading pipe has plenty of reach for most situations, while offering fast and easy set up at the touch of a button.



These load carts have the extra reach needed for large tankers or injector systems. Choose from two models:

- 8" pipe with 10" discharge (20 cm & 25 cm)
- 10" pipe with 12" discharge (25 cm & 30 cm).



Economical bipod loading pipes are available in 6" (15 cm) or 8" (20 cm) models.

## THE HEAVIEST WHEEL KITS

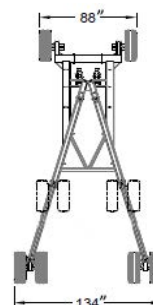
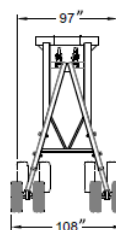
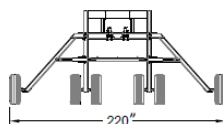
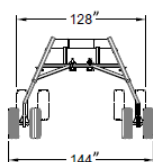
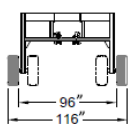
in the business come in five models to suit your needs.



Heavy pumps need heavy undercarriages so every wheel kit sits on an 8" (20 cm) pivot and has dual lift cylinders.

Extra lift height on the dual wheel kits ensures safe entry into pits with steep ramps, while the telescopic wheel kit can work in either ramps or in vertical wall storage.

The 18'4" (5.5 m) wide stance on the side-fold wheel kit offers maximum stability in deep sand, yet folds to only 8'1" (2.45 m) for road travel.





# ULTRA-PUMP

keeps you in control.

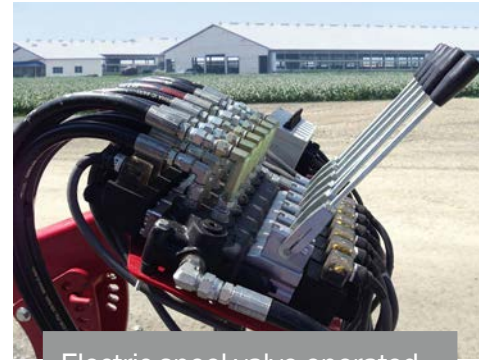
With the vast selection of models and options available, some pumps may only have a few hydraulic functions to operate while others may have many. Our hydraulic controls can be mixed & matched to give you the perfect setup for the way you work.



Standard spool valves are available for any number of functions. The sturdy support is adjustable left/right, up/down and close to the cab.



To eliminate hoses from the control stand, cable-operated spool valves are a good choice when there are many functions.

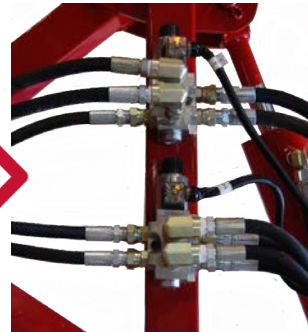


Electric spool valve operated from control box inside tractor. Use with wired or wireless controls.



Direct-to-Tractor connection gives you in-cab control using your tractor remotes. Perfect for raising or lowering the pump on the move while backing into the pit.

When your tractor does not have enough remote ports, the electric splitter control doubles the functions you can run. Use only 2 ports to run 4 functions, or 3 ports to run 6 functions.



Mix and match controls as you wish. You can choose the economical spool valve control and upgrade some functions to electric or wireless control.



FAST-FILL wireless controls let you fill the tanker without leaving the tractor cab... just pull into place and push the fill button. Operate 1, 2 or 6 hydraulic functions, plus the tractor throttle control.



# THE MAXX-10 LAGOON PUMP

delivers high-speed loading and incredible mixing power.



MAXX-10 is the first choice of heavy-duty operators, with the capacity to get the job done quickly, and with the durability to keep working through the toughest conditions. The heavy frame and wheel kit provide a stable base for the high pressure cannon.

## The business end is the best in the industry.

- Cast Ni-Hard volute housing
- 10" single outlet for maximum efficiency
- Smooth & simple 10" (25 cm) discharge elbow
- 10" (25 cm) flapper box diverts flow smoothly
- 8" (20 cm) cannon for maximum agitation power



Two 8" (20 cm) diameter Nylatron bearings support the cannon for smooth operation even under high pressure.





# ONE OUTLET... IT'S BETTER



◀ The single smooth discharge of the Maxx-10 impeller delivers flow more efficiently than multi-port models.

*"Pumps designed using single-volute casings of constant velocity design are more efficient than those using more complicated volute designs".*

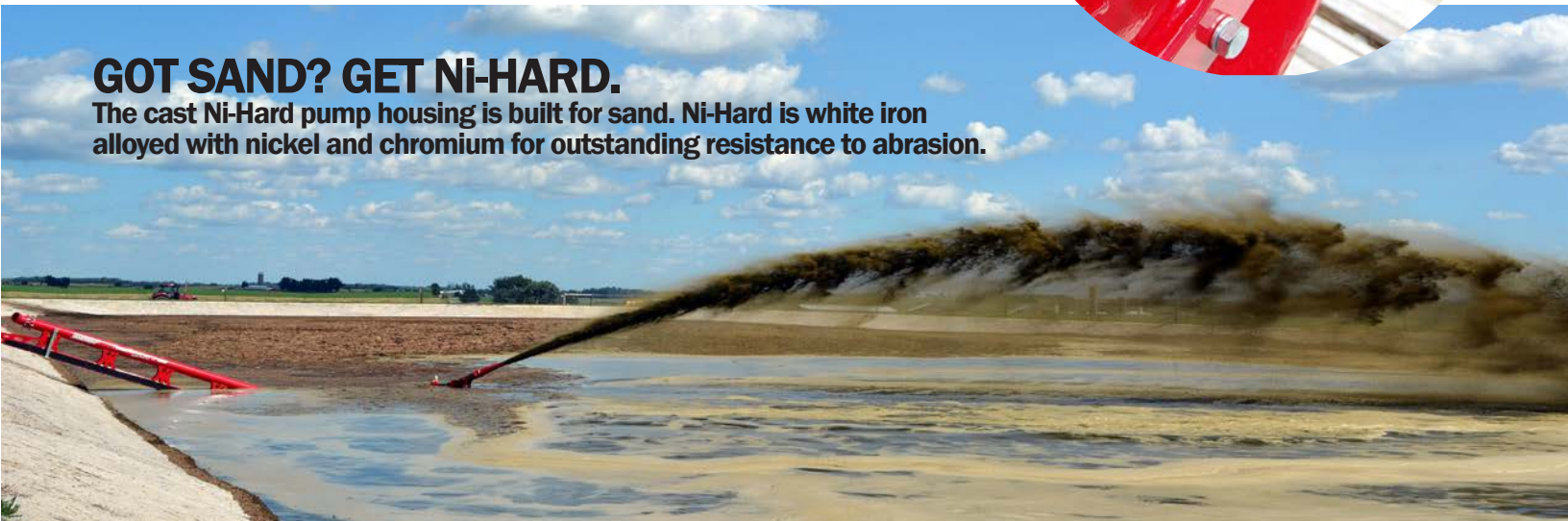
**Centrifugal Pumps Design & Application**  
Second edition, Lobanoff & Ross.

Built for fast service and minimum downtime. Bolted construction makes replacement of wear parts easy. ▶



## GOT SAND? GET Ni-HARD.

The cast Ni-Hard pump housing is built for sand. Ni-Hard is white iron alloyed with nickel and chromium for outstanding resistance to abrasion.



## MAXX-10 HIGH CAPACITY LAGOON PUMP

- 42, 52, 62 or 72' (13, 16, 19 or 22 m)
- 8,200 US GPM (31,040 L/min) impeller (std)
- 7,200 or 9,200 US GPM (27,255 or 34,826 L/min) impellers (opt)
- 10" (25 cm) discharge pipe
- HD Dual wheel or Side-fold wheel kit
- Hydraulic hitch adjustment
- Hydraulic stabilizers (opt)
- 10" (25 cm) On-ground discharge (opt)



# LAGOON PUMP SPECIFICATIONS

## ULTRA-PUMP PUMPING KITS

Model	STANDARD	STANDARD	STANDARD PLUS	PUMPELLER	PUMPELLER	GEARBOX	GEARBOX	GEARBOX
PTO RPM	540	1000	1000	540	1000	540	1000	1000
Diameter	27" 68 cm	19" 48 cm	19" 48 cm	28" 71 cm	20" 51 cm	28" 71 cm	20" 51 cm	20" 51 cm
Blades	4	3	6	3	3	6	5	5
Propeller	-	-	-	-	-	2-blade	Auger	2-blade
Power	100HP 75kw	160HP 119kw	225HP 168kw	130HP 97kw	180HP 134kw	135HP 100kw	180HP 134kw	240HP 179kw

## TRAILER MODELS

Length	32' 10 m	42' 13 m	52' 16 m	62' 19 m	72' 22 m
Reach*	27' 8 m	36' 11 m	44' 13 m	53' 16 m	61' 19 m
Depth*	14' 4 m	18' 5 m	22' 7 m	26' 8 m	31' 9 m

\*Figures shown for 2:1 slope. Trailer pumps may also operate at higher or lower slopes.

## TRAILER WHEEL KITS

Model	SINGLE	DOUBLE	SIDE-FOLD	HIGH-LIFT	EXTENDABLE
Lift	68" 173 cm	92" 234 cm	96" 244 cm	174" 442 cm	224" 569 cm
Min. width	96" 224 cm	128" 325 cm	97" 246 cm	97" 246 cm	94" 239 cm
Max. width	116" 295 cm	144" 366 cm	220" 559 cm	108" 264 cm	134" 340 cm

## 3-PH MOUNTED MODELS

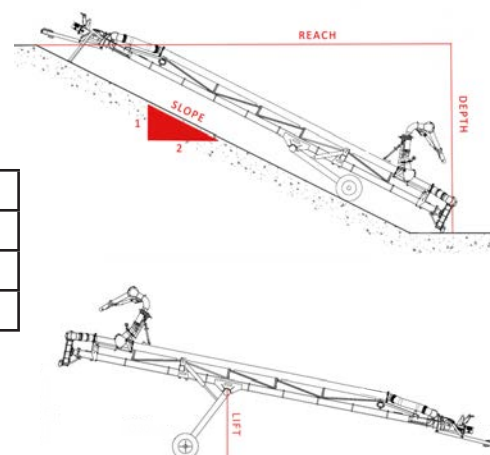
Length	19' 6 m	22' 7 m	25' 8 m
Max. depth	13' 4.0 m	15' 4.5 m	17' 5.1 m

## ULTRA-PUMP ACCESSORIES

Discharge kits	Bipod load pipe		Hose kits		POWERBOOM
	6'' Italian 15 cm	8'' Italian 20 cm	6'' Gheen 15 cm	8'' Gheen 20 cm	Optional dual-discharge kit adds 8'' (20 cm) Gheen hose outlet
			6'' Italian 15 cm	8'' Italian 20 cm	
Trailer stabilizers	Manual or Hydraulic				
Trailer hitch adjustment	Manual or Hydraulic				
3-PH Transport kit	Dual wheel trailer and tow bar adapter				

## MAXX-10 SPECIFICATIONS

Length	42' 13 m	52' 16 m	62' 19 m	72' 22 m
Wheel kits	Dual   Side-fold   High-lift			
Impeller kits	Optional 7,200 US gpm (27,250 L/min) 185 HP			
	Standard 8,200 US gpm (31,040 L/min) 240 HP			
	Optional 9,200 US gpm (34,840 L/min) 290 HP			
Discharge	10" (25 cm) Gheen hose connection   Optional on-ground discharge			
Agitation valve	Hydraulic flapper with 1-1/2" (4 cm) thick door on urethane seals			



YOUR LOCAL DEALER:



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