

*A BERKY MULTI-PURPOSE
AMPHIBIOUS WATERWAY MANAGER
CAN-DO-IT-ALL*



⚙️ *VERSATILE & ROBUST. AN AQUATIC MANAGER FOR ALL SEASONS*



⚙️ OPEN WATER DREDGING



⚙ CANAL DREDGING



⚙ SPACIOUS A.C. CAB ⚙ ALL-ROUND WORK LIGHTS ⚙ GENEROUSLY PLACED
⚙ FINGERTIP CONTROL ⚙ FULL INSTRUMENTATION.



⚙ "SWINGING-LADDER" WITH A HUNGRY FOR WORK CUTTER DREDGE HEAD



⚙ LONG DISTANCE PIPE LINE DREDGING



⚙ SPLIT PIPE LINE FLOATS



⚙ BOOSTER PUMP STATIONES FOR EXTRA LONG DISTANCE PUMPING



⚙ AGITATOR FOR INDUSTRIAL APPLICATIONS



⚙ HORIZONTAL DREDGE HEAD



⚙ SIDE CASTING SYSTEM OF SPOILS & MUD ON LAKE SHORES, RIVERS & CANALS



⚙️ PIPE FLOATS



⚙️ RIGID PIPES



⚙️ FLEX HOSE



⚙️ EXCAVATING BUCKETS: CLOSED, PERFORATED & EXTRA WIDE



⚙️ CLAM SHELL



⚙️ PILE DRIVER



⚙️ **ROTOVATOR** KNOCKS OUT WEED ROOTS



⚙️ ROTARY BRUSH CHOPPER



REVERSIBLE RAKE FOR WEED & ROOT REMOVAL & SHORE LINE MAINTENANCE



FOLDING SPUD ANCHORS. DUAL USE: SELF-LOADING & IN LAKE ANCHORING



BOW STABILIZERS DOING THE "SPLITS" & LIFT



SERVICE CRANE



FOUR “LEGS” WORKING TOGETHER FOR SELF-LOADING ONTO TRUCK

THE ALL IN ONE TRUCK ROADABLE WATERWAY MAINTAINER



CHOOSE THE RIGHT ATTACHMENTS FOR THESE JOBS :

- | | | |
|-----------------------|----------------------------------|-----------------------|
| ▶ Excavating | ▶ Underwater stump removal | ▶ Tree removal |
| ▶ Mud pumping | ▶ Auger-head hydraulic dredging | ▶ Ice breaking |
| ▶ Brush chopping | ▶ Weed root dislodging | ▶ Weed removal |
| ▶ Pile driving | ▶ Cutter-head hydraulic dredging | ▶ Rescue assist |
| ▶ Shore Construction | ▶ Industrial pond agitation | ▶ Fire fighting |
| ▶ Deep water recovery | ▶ Dock & pier building | ▶ Pipe & cable laying |

Ask us concerning any special needs for your operation. we will try to help.

SPECIFICATIONS

MODEL	Dredge-King	Dredge-King XL
Hull sizes: Pontoons:	<ul style="list-style-type: none"> ❖ 11,00 m x 3,00 m x 1,20 m (L x W x H), ❖ 5,50 m - 7,30 m x 1,00 m (L x W x H), Weight with pontoons approx. 20,5 t – 24 t (depend on performance, draft approx. 55 cm) 	<ul style="list-style-type: none"> ❖ 11,00 m x 3,00 m x 1,20 m (L x W x H), ❖ 5,50 m - 7,30 m x 1,00 m (L x W x H), Weight with pontoons approx. 20,5 t – 24 t (depend on performance, draft approx. 55 cm)
Outrigger:	<ul style="list-style-type: none"> ❖ Working depth up to 4,80 m without attachment and 6 m with attachment 	Working depth up to 4,80 m without attachment and 6 m with attachment
	Slewing range up to 175° each left- and right hand	
Spuds:	<ul style="list-style-type: none"> ❖ two hydraulic rear spuds manual adjustable up to a depth of 6 m, tilt able by rams upon the boats hull for transport ❖ two front detachable floats, hydraulic extensible from 4,50 m up to 6 m depth 	<ul style="list-style-type: none"> ❖ two hydraulic rear spuds manual adjustable up to a depth of 6 m, tilt able by rams upon the boats hull for transport two front detachable floats, hydraulic extensible from 4,50 m up to 6 m depth
Engine:	<ul style="list-style-type: none"> ❖ 6-cylinder Perkins/ Caterpillar Diesel engine, 168 kW/225 HP, water cooled ❖ Fuel tank 1200 l volume 	<ul style="list-style-type: none"> ❖ 6-cylinder Caterpillar Diesel engine, 261 kW/355 HP, water cooled ❖ Fuel tank 1200 l volume
	❖ Monitoring of water temperature and oil level (warning system)	
Hydraulics:	<ul style="list-style-type: none"> ❖ Auger drive – suction pump: - variable load-sensing displacement max. 260 l/min, 320 bar ❖ Outrigger arm – spuds: gear pump with max. flow of 160 l/min. – 320 bar ❖ Hydraulic tank approx. 700 l 	<ul style="list-style-type: none"> ❖ Auger drive – suction pump: - variable load-sensing displacement max. 320 l/min, 420 bar ❖ Outrigger arm – spuds: gear pump with max. flow of 160 l/min. – 320 bar ❖ Hydraulic tank approx. 700 l
	<ul style="list-style-type: none"> ❖ Double filter system in suction and return line, additional water absorber for the filler port ❖ Cooling system for hydraulic oil ❖ Servo operating steering devices for smooth movement of the hydraulic cylinders 	
Auger drive	<ul style="list-style-type: none"> ❖ Double auger propeller drive ❖ Infinitely variable drive regulation forward up to 6 knots , backwards up to 3 knots ❖ Drive protection below and on the sides of auger drives against damage ❖ Override protection of the auger drive 	
Suction pump stationary	<ul style="list-style-type: none"> ❖ 8/6” armored pump, mounted below deck, capacity 520 m³/h slurry and between 80 – 120 m³/h solids 	<ul style="list-style-type: none"> ❖ 10/8” armored pump, mounted below deck, capacity 1000 m³/h slurry and between 150 – 250 m³/h solids
Cutter head	<ul style="list-style-type: none"> ❖ ø 600 mm, hydraulic driven, 0 – 60 rpm 	<ul style="list-style-type: none"> ❖ ø 800 mm, hydraulic driven, 0 – 45 rpm
Drivers cab:	<ul style="list-style-type: none"> ❖ Spacious cab with comfort seat for the operator and co-driver. Size: 1,60 m x 1,60 m x 1,90 m (L x W x H) ❖ Clearly arranged operating elements and monitoring gauge, adjustable to drivers position ❖ Sound attenuated cab (noise level not higher than 75 db) ❖ Equipped with fire extinguisher , ambulance box, lifebuoy, roof hatch ❖ Signals & lighting according rules for waterway traffic, all-round working lights in front, sides and rear ❖ Optionally equipped with heater, air conditioner, radio, depth sounder 	
Optional Working units:	<ul style="list-style-type: none"> ❖ Dredge pump with cutter head up to 250 m³/h mixture output, ❖ suction mill of 2,50 m width, suction capacity up to 350 m³/h ❖ dredging bucket up to 700 l, backhoe bucket of 2,50 m width , clearing rake of 2,80 m width ❖ grapple , clamshell buckets, pile driver, etc. 	
Coating:	<ul style="list-style-type: none"> ❖ Sandblasted hull painted with protection- and 2 component coating 	
Optional equipment:	<ul style="list-style-type: none"> ❖ Hydraulic winches, CAN-BUS outrigger steering (very smooth operating), 2nd water pump, suction- and pressure hoses, buoyancy floats, crane with grapple, clam shell, + rotator, Dredge heads, weed & root removers 	

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