## A BERKY MULTI-PURPOSE AMPHIBIOUS WATER WAY 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



**\$\OMEGA** LONG DISTANCE PIPE LINE DREDGING



**\$ SPLIT PIPE LINE FLOATS** 







**\$\Delta\$** 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** 



**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



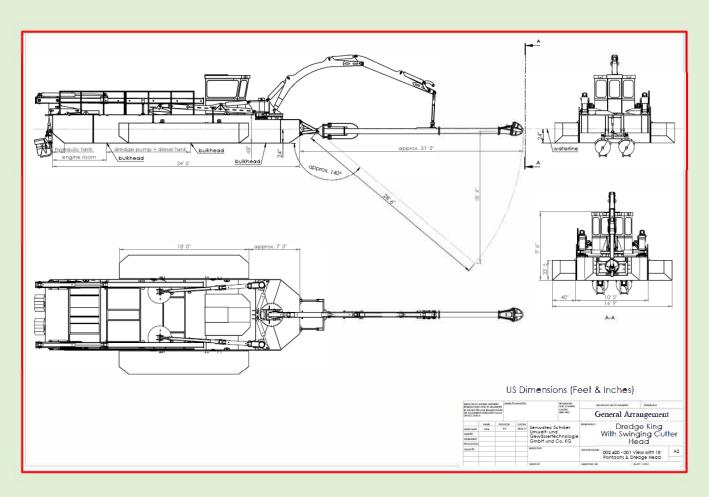
## CHOOSE THE RIGHT ATTACHMENTS FOR THESE JOBS:

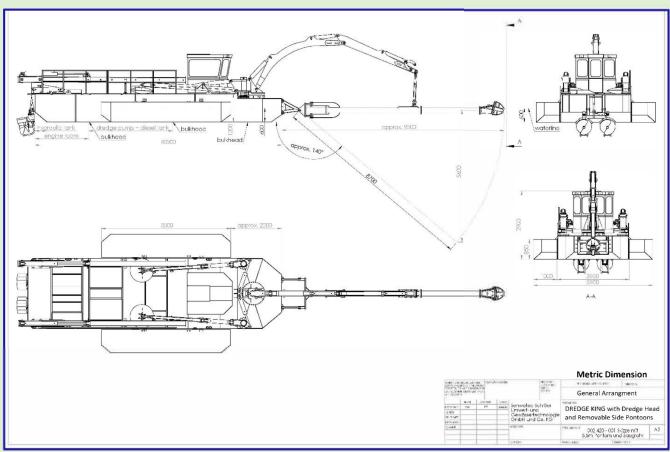
- Excavating
- ► Mud pumping
- ► Brush choppping
- **▶** Pile driving
- ► Shore Construction
- Deep water recovery

- ► Underwater stump removal
- ► Auger-head hydraulic dredging
- ► Weed root dislodging
- Cutter-head hydraulic dredging
- ► Industrial pond agitation
- ► Dock & pier building

- Tree removal
- **▶** Ice breaking
- ► Weed removal
- **▶** Rescue assist
- Fire fighting
- **▶** 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: Outrigger:	<ul> <li>11,00 m x 3,00 m x 1,20 m (Lx W x H),</li> <li>5,50 m - 7,30 m x 1,00 m (L x W x H),</li> <li>Weight with pontoons approx. 20,5 t - 24 t (depend on performance, draft approx. 55 cm)</li> <li>Working depth up to 4,80 m without attachment and 6 m with attachment</li> </ul>	<ul> <li>11,00 m x 3,00 m x 1,20 m (Lx W x H),</li> <li>5,50 m - 7,30 m x 1,00 m (Lx W x H),</li> <li>Weight with pontoons approx. 20,5 t – 24 t (depend on performance, draft approx. 55 cm)</li> <li>Working depth up to 4,80 m without attachment and 6 m with attachment</li> </ul>
	Slewing range up to 175° each left- and right hand	
Spuds:	<ul> <li>two hydraulic rear spuds manual adjustable up to a depth of 6 m, tilt able by rams upon the boats hull for transport</li> <li>two front detachable floats, hydraulic extensible from 4,50 m up to 6 m depth</li> </ul>	depth of 6 m, tilt able by rams upon the boats hull for transport
Engine:	<ul> <li>♦ 6-cylinder Perkins/ Caterpillar Diesel engine, 168 kW/225 HP, water cooled</li> <li>♦ Fuel tank 1200 l volume</li> </ul>	<ul> <li>❖ 6-cylinder Caterpillar Diesel engine, 261 kW/355 HP, water cooled</li> <li>❖ Fuel tank 1200 l volume</li> </ul>
	<ul> <li>Monitoring of water temperature and oil level (warning system)</li> </ul>	
Hydraulics:	<ul> <li>Auger drive – suction pump: - variable load-sensing displacement max. 260 l/min, 320 bar</li> <li>Outrigger arm – spuds: gear pump with max. flo of 160 l/min. – 320 bar</li> <li>Hydraulic tank approx. 700 l</li> </ul>	<ul> <li>Auger drive – suction pump: - variable load-sensing displacement max. 320 l/min, 420 bar</li> <li>Outrigger arm – spuds: gear pump with max. flow of 160 l/min. – 320 bar</li> <li>Hydraulic tank approx. 700 l</li> </ul>
	<ul> <li>Double filter system in suction and return line, additional water absorber for the filler port</li> <li>Cooling system for hydraulic oil</li> <li>Servo operating steering devices for smooth movement of the hydraulic cylinders</li> </ul>	
Auger drive	<ul> <li>Double auger propeller drive</li> <li>Infinitely variable drive regulation forward up to 6 knots, backwards up to 3 knots</li> <li>Drive protection below and on the sides of auger drives against damage</li> <li>Override protection of the auger drive</li> </ul>	
Suction pump stationary	♦ 8/6" armored pump, mounted below deck, capacity 520 m³/h slurry and between 80 – 120 m³/h solids	❖ 10/8" armored pump, mounted below deck, capacity 1000 m²/h slurry and between 150 − 250 m³/h solids
Cutter head	❖ ø 600 mm, hydraulic driven, 0 – 60 rpm	❖ ø 800 mm, hydraulic driven, 0 – 45 rpm
Drivers cab:	<ul> <li>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)</li> <li>Clearly arranged operating elements and monitoring gauge, adjustable to drivers position</li> <li>Sound attenuated cab (noise level not higher than 75 db)</li> <li>Equipped with fire extinguisher, ambulance box, lifebuoy, roof hatch</li> <li>Signals &amp; lighting according rules for waterway traffic, all-round working lights in front, sides and rear</li> <li>Optionally equipped with heater, air conditioner, radio, depth sounder</li> </ul>	
Optional Working units:	<ul> <li>Dredge pump with cutter head up to 250 m³/h mixture output,</li> <li>suction mill of 2,50 m width, suction capacity up to 350 m³/h</li> <li>dredging bucket up to 700 l, backhoe bucket of 2,50 m width , clearing rake of 2,80 m width</li> <li>grapple , clamshell buckets, pile driver, etc.</li> </ul>	
Coating:	Sandblasted hull painted with protection- and 2 component coating  Living line wing the CAN BUS outsigned steering (years arough congestion). 2nd water gump question, and	
Optional equipment:	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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