

# BERKY

## Clear - Pushboat Type 6640

## Barge Type 6820



- nimble working boat for collecting and transporting of cut- and drift material, rubbish
- sole- and slope mowing, desludging and deepening of canals
- easy hydraulical coupling of the barge
- covered engine compartment, quiet operating of the diesel-engine
- fully glazed, noise isolated driver's cab with good around view
- barge with large load capacity and lattice baskets with evacuation gash below



# BERKY

## ENGINEERING WORKS

SLOPE MOWER AND DITCH CLEARING UNITS

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## Technical Data of Clearing - Pushboat Type 6640

<b>Engine:</b> <i>alternatively:</i>	<ul style="list-style-type: none"> <li>➤ 4-Zylinder Lombardini-Dieselmotor LDW 2004T mit 40 KW/55HP auf 2500 U/min, wassergekühlt, E-Start, leise-reduziert</li> <li>➤ <i>air-cooled, 4-cylinder Hatz-Dieselmotor, leise gedämpft, Silent-Pack, 47 KW/64 PS mit 2500 U/min.</i></li> <li>➤ <i>or Marine engine, Kubota BF 2803, 5-cylinder, 45 KW/62 PS with keel-cooling</i></li> <li>➤ <u>automatic cut off in event of too low oil-level and low cooling temperature</u></li> </ul>
<b>Battery:</b>	➤ 12 V – 88 Ampere, electric control system
<b>Dieseltank:</b>	➤ ca. 150 l capacity
<b>Hull:</b>	➤ made up of reinforced shipyard-steel with 4 mm thick, bottom plate with 5 mm and deck-anti-sliding plate 4/6 mm and main coating, overcoating with waterresistent painting
<b>Dimensions:</b>	➤ hull: 6,00 m length, 2,00 m width, 1,10 m height
<b>Weight:</b>	➤ steel-standard construction about 4600 kg without working units
<b>Draft:</b>	➤ steel-standard construction approx. 45 cm unladen
<b>Travelling mech.:</b> <i>optional</i>	<ul style="list-style-type: none"> <li>➤ slewable, winding-free auger, hydraulically adjustable in height and foldable upwards</li> <li>➤ <i>over 2 slewable, winding-free auger, working independently of each other, drive worm hydr. adjustable in length and hydr. foldable upwards</i></li> </ul>
<b>Speed:</b>	➤ infinitely variable speed control up to 8 km/h, backwards 4 km/h
<b>Steering:</b>	➤ hydraulic steering via hydro-steering unit and slewable driving screw
<b>Hydraulic plant:</b>	<ul style="list-style-type: none"> <li>a) Pump drive: Axial-piston pump for travelling mechanism gear-pump for working units and control</li> <li>b) Driving motors: orbit-motors for traveling mechanism, cutting gear, steering, slewing range</li> <li>c) Hydro-Filter: Tank-return-filter, pipe filters</li> <li>d) Hydraulic-oil: Panolin-oil (water danger class 0), capacity 200 l</li> <li>e) Operating: directly over hydraulic valves</li> </ul>
<b>Working boom:</b> <i>Optional:</i>	<ul style="list-style-type: none"> <li>➤ front side 2,50 m length, <i>optional 3,50 m length</i></li> <li>➤ <i>hydr. Slewing range to 220°, dredger depth up 3,00 m with dipper</i></li> </ul>
<b>Working units:</b> <i>Optional:</i>	<ul style="list-style-type: none"> <li>➤ double knife T- cutting gear: vertical knife 1,10 m–1,50 m–2,20 m–2,50 m cutting depth under water, horizontal knife 2,25 m wide</li> <li>➤ <i>hydr. slewing range at T-cutter-bar</i></li> <li>➤ front collecting rake with spring tines up to a width of 2,50 m</li> <li>➤ front collecting bucket 1,80 m wide, frame height 0,50 m, depth 0,50 m</li> <li>➤ backhoe dipper for desludging up to 2,50 m wide</li> <li>➤ rearside device for the operation of triangular knives</li> <li>➤ lateral mowing 1,20 and 1,40 m cutting width</li> <li>➤ mud-pump NW150 mixture-elevating capacity to 150 m³/h</li> <li>➤ mowing bucket with oil bath gear</li> <li>➤ coupling system works hydraulical with 2 hydraulic-cylinders</li> </ul>
<b>Equipment:</b>	<ul style="list-style-type: none"> <li>➤ trailer with winch and airstrips</li> <li>➤ fully glazed drivers cab with sliding door behind, front windows hingable to the front</li> </ul>

## Technical Data Barge Type 6820

<b>Hull:</b>	➤ made up of reinforced shipyard-steel with 4 mm thick, bottom plate with 5 mm and deck-anti-sliding plate 4/6 mm and main coating, overcoating with waterresistent painting
<b>Size:</b>	➤ 9,00 m length, 2,00 m width, 1,20 m height, draft approx. 20 cm unladen
<b>Equipment:</b>	➤ 4 rubbish boxes, lattice buckets with evacuating hatches below



⇒ auger drive height adjustable and slewable upwards



⇒ hydraulic coupling system