The IHC Beaver® 30 is equipped with state-of-the-art technology, including the following key features:

- low maintenance and efficient power distribution with a single diesel engine
- an easy execution dredge pump for easy maintenance
- environmentally friendly solutions, such as LED lighting
- white iron-wear parts for the dredge pump
- easy maintenance using relays controls
- easy to operate for a single person from the operator’s seat
- deck crane for pump maintenance
- dismountable and transportable in 40ft containers.

RELIABLE AND EFFICIENT
The IHC Beaver® is well known for its robust construction, reliable operation and excellent performance. To date, Royal IHC has supplied more than 800 of these standard cutter suction dredgers worldwide.

TRANSPORTABLE AND DELIVERABLE FROM STOCK
IHC Beaver® dredgers can be dismantled for transport via road, rail or sea. A wide range of optional equipment is available, as well as complementary auxiliary equipment, such as work boats and discharge pipelines. These vessels are mostly delivered from stock.

SERVICE AND SUPPORT
IHC can provide a complete package of spare parts, maintenance support, equipment training programmes, dredging advisory services and dredge operators for hands-on instruction and commissioning.

MAIN PARAMETERS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dredging depth</td>
<td>6.0m</td>
</tr>
<tr>
<td>Discharge diameter</td>
<td>300mm (larger diameters optional)</td>
</tr>
<tr>
<td>Total power</td>
<td>294kW</td>
</tr>
</tbody>
</table>
DIMENSIONS
Length over pontoons ± 12m
Breadth 4.5m
Depth 1.35m
Mean draught with full bunkers 0.9m
Maximum standard dredging depth 6.0m
Suction pipe diameter 310 mm
Discharge pipe diameter 310 mm
Total installed power 294kW

SWING WIDTH WITH 35° SWING EACH SIDE
At maximum dredging depth 14.5m
At minimum dredging depth 18.0m

DREDGE PUMP
Type IHC-600-150-240 EasyX
Engine type Scania DI13
Heavy duty power 294kW @ 1,800rpm
Specific fuel consumption 205g/kWh

ELECTRICAL INSTALLATION
Voltage 24V DC
Battery capacity 100Ah

CUTTER
Type IHC Edge 830-50
Power at shaft 30kW
Diameter 830mm
Maximum speed, approx. 35rpm

SWING WINCHES
Line pull, first layer 25kN
Maximum line speed 22m/min
Wire diameter 12mm
Drum diameter 273mm
Swing wires length 75m
Anchor weight 160kg

LADDER HOISTING RAM
Retracting force 208 kN

PUMP OUTPUT
Discharge pipe diameter = 300mm
Dredging depth = 6.0m
Maximum volumetric concentration of in situ solids of 20%
Final elevation at end of discharge pipe = 4.0m

Output calculated for:

SOIL

<table>
<thead>
<tr>
<th>TYPE</th>
<th>GRAIN SIZE</th>
<th>DECISIVE SIZE</th>
<th>SITU DENSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Fine sand</td>
<td>100μm</td>
<td>1,900kg/m³</td>
</tr>
<tr>
<td>B</td>
<td>Medium sand</td>
<td>235μm</td>
<td>1,950kg/m³</td>
</tr>
<tr>
<td>C</td>
<td>Coarse sand</td>
<td>440μm</td>
<td>2,000kg/m³</td>
</tr>
<tr>
<td>D</td>
<td>Coarse sand and gravel</td>
<td>1.3mm</td>
<td>2,100kg/m³</td>
</tr>
<tr>
<td>E</td>
<td>Gravel</td>
<td>7mm</td>
<td>2,200kg/m³</td>
</tr>
</tbody>
</table>

NOTE
Calculated output curves only indicate pumping capacity, based on the maximum available power on the pump shaft and free-flowing material. In actual practice, properties may vary from free-flowing, easily excavated to compacted, hard-to-excavate material. When used for estimation actual outputs, the nature of the material to be dredged and local job conditions must be considered. Please consult IHC for dredging conditions outside these curves.