

# GERARDUS MERCATOR 18,000m<sup>3</sup> Trailing Suction Hopper Dredger



|                |                                 |
|----------------|---------------------------------|
| <b>Name</b>    | GERARDUS MERCATOR               |
| <b>Type</b>    | Trailing Suction Hopper Dredger |
| <b>Year</b>    | 1997                            |
| <b>Owners</b>  | Ondernemingen Jan de Nul        |
| <b>Builder</b> | IHC Holland                     |

|                            |                           |
|----------------------------|---------------------------|
| <b>Dimensions</b>          |                           |
| Length overall             | 152.90m                   |
| Length bp                  | 142.30m                   |
| Beam                       | 29.00m                    |
| Depth                      | 13.10m                    |
| Draught, intern. freeboard | 9.54m                     |
| Draught, dredging mark     | 11.51m                    |
| Hopper capacity            | 18,000m <sup>3</sup>      |
| Max. loading capacity      | 27,650 ton                |
| Deadweight at 11.51 m      | 29,150 ton                |
| Suction pipes diameter     | 1,200mm                   |
| Discharge pipe diameter    | 1,000mm                   |
| Dredging depth             | 35 / 50 / 55 / 105 / 112m |

|                              |             |
|------------------------------|-------------|
| <b>Power and speed</b>       |             |
| Suction pumps, double-walled | 2x 3,000kW  |
| Discharge pumps power        | 14,000kW    |
| Submerged dredgepump         | 3,200kW     |
| Main engines                 | 2x 9,450kW  |
| Shaft generators             | 2x 4,500kW  |
| Auxiliary engines            | 3x 924kW    |
| Harbour engine               | 320kW       |
| Jet pumps                    | 2x 1,000kW  |
| Bow thrusters                | 2x 1,000kW  |
| Electric portal crane        | 45 ton      |
| Laden speed                  | 15.50 knots |

|                      |            |
|----------------------|------------|
| <b>Accommodation</b> | 40 persons |
|----------------------|------------|

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