

# EQUIPMENT SHEET

**PRINS DER NEDERLANDEN**  
TRAILING SUCTION HOPPER DREDGER



## CONSTRUCTION / CLASSIFICATION

|                      |                                                                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vessel built by      | Merwede Shipyard                                                                                                                                                                                                      |
| Year of construction | 2004 (2022 lengthening)                                                                                                                                                                                               |
| Classification       | BV   ✕ Hull ✕ Mach ✕ AUT-UMS<br>Hopper dredger, MON-SHAFT<br>Unrestricted navigation.<br>Dredging within 15 miles from shore<br>or within 20 miles from port.<br>Dredging over 15 miles from shore<br>with Hs < 3.5 m |

## FEATURES

|                                         |
|-----------------------------------------|
| Long suction pipe with underwater pump. |
| 5 gravity-gantries.                     |

## MAIN DATA

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| Gross tonnage                   | 23,985 GT                                         |
| Length overall                  | 201.00 m                                          |
| Breadth                         | 28.00 m                                           |
| Moulded depth                   | 15.00 m                                           |
| Max.draught empty               | 7.00 m                                            |
| Max. draught Int. load line     | 9.24 m                                            |
| Max. draught dredging load line | 12.1 m                                            |
| Carrying capacity (D.W.)        | 39,335 t                                          |
| Hopper capacity (top overflow)  | 20,997 m <sup>3</sup>                             |
| Hopper capacity (top coaming)   | 22,205 m <sup>3</sup>                             |
| Suction pipe diameter           | 2 x 1.00 m                                        |
| Max. dredging depth             | 100.0 m                                           |
| Discharge systems               | bottom doors/pump ashore/<br>rainbow installation |
| Sailing speed loaded            | 15.4 kn                                           |
| Sailing speed empty draught     | 17.5 kn                                           |
| Total installed power           | 19,500 kW                                         |
| Sand pump output                | 5,000 kW                                          |
| Jet pump output                 | 3,000 kW                                          |
| Pump ashore output              | 8,800 kW                                          |
| Propulsion power sailing        | 14,000 kW                                         |
| Bow thruster                    | 1,500 kW                                          |



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