

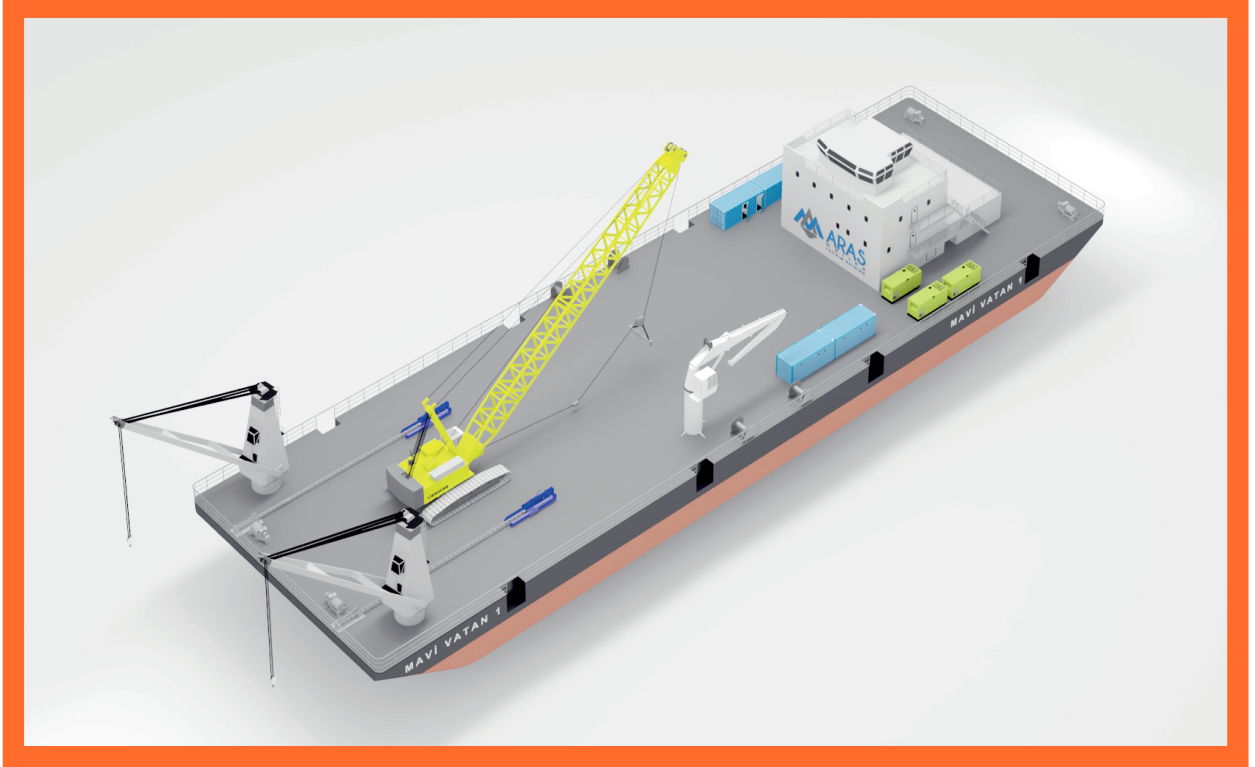
# MAVİ VATAN 1



Floating Crane Barge

Lifting Capacity: 350 Tons x 2

Lifting Capacity MAX: 700 Tons



## GENERAL INFORMATION

|                        |                                    |
|------------------------|------------------------------------|
| Type of vessel         | : Floating Crane                   |
| Port of registry       | : İstanbul                         |
| Class registration     | : RINA                             |
| Year constructed       | : 1994                             |
| Crane construction     | : 2000                             |
| Reconstruction         | : 2024                             |
| Built by               | : Pioneer Offshore Enterprise Pte. |
| Kind of service Summer | : Ltd. World-wide                  |
| Draft Load             | : 4,282                            |
| GRT                    | : 3,638 mT                         |
| NRT                    | : 1,091                            |
| DWT                    | : 8,580                            |

## DECK CAPACITY

|                    |              |
|--------------------|--------------|
| Deck area          | : 2,503 m2   |
| Deck Load Capacity | : 10 mt / m2 |

## DIMENSIONS

|                  |          |
|------------------|----------|
| Length of vessel | : 91,5 m |
| Breadth          | : 27,5 m |
| Depth (moulded)  | : 5,5 m  |

## CRANE TECHNICAL DATA

|                             |                           |
|-----------------------------|---------------------------|
| Crane Type                  | : DK II                   |
| Capacity (SWL)              | : 350 t                   |
| Main hoist load steps       | : Main hoist outreach     |
| SWL 350 t                   | : 5,25 - 14,0 m           |
| SWL 320 t                   | : 4,5 - 15,0 m            |
| SWL 250 t                   | : 4,5 - 19,5 m            |
| SWL 200 t                   | : 4,5 - 24,0 m            |
| SWL 140 t                   | : 3,8 - 34,0 m            |
| SWL 65 t                    | : 3,8 - 34,0 m            |
| Auxilliary hoist load steps | Auxilliary hoist outreach |
| SWL 40 t                    | : 5,5 - 37,0 m            |
| SWL 16 t                    | : 5,5 - 37,0 m            |
| Sling hoist                 | : 4,2 - 35,3              |
| SWL 5.0 t                   | : 5,25 - 14,0 m           |

## TANK CAPACITIES

|            |                   |
|------------|-------------------|
| Void tanks | : 12,641 m3 Water |
|------------|-------------------|

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## HOISTING HEIGHT

Approx. 36 m

## LUFFING

|           |               |
|-----------|---------------|
| SWL 350 t | : T = 100 sec |
| SWL 320 t | : T = 110 sec |
| SWL 250 t | : T = 160 sec |
| SWL 200 t | : T = 120 sec |
| SWL 140 t | : T = 260 sec |
| SWL 65 t  | : T = 150 sec |

## HOISTING SPEED

|           |                  |
|-----------|------------------|
| SWL 350 t | : 0 - 3,0 m/min  |
| SWL 320 t | : 0 - 3,0 m/min  |
| SWL 250 t | : 0 - 3,5 m/min  |
| SWL 200 t | : 0 - 4,2 m/min  |
| SWL 140 t | : 0 - 5,8 m/min  |
| SWL 65 t  | : 0 - 11,0 m/min |

Hoisting speed of auxilliary hoist

|      |                |
|------|----------------|
| 40 t | : 0 - 18 m/min |
| 16 t | : 0 - 32 m/min |

Hoisting speed during

automatic operation : 0 - 3,0 m/min

Slewing speed > 100t : 0 - 0,3 rpm

Slewing speed < 65t : 0 - 0,6 rpm

Feature : Value

Slewing Range : >360°

Specification : 350 t load and 14 m  
outreach at +/- 3°  
healing and simultaneous  
trim of +/- 2°

## POWER

Nominal voltage (U) : 440 V / 60 Hz

Motor speed (n) : 1,775 r/min

Installed capacity : 2 x 132 kW

Maximum power input, temporary : 2 x 160 kW

Reverse power : 2 x 100

Auxilliary : 230 V / 50 Hz

## MAIN PUMP MOTOR

Type : 280 M4

Manufacturer : Schorch

Protection class : 132 kW

Design, standstill heater : Insulation class IP23

with three posistors : F; 45° GL

Miscellaneous : Star - delta starter

## SERVICE CRANE ABAS

|                    |                        |
|--------------------|------------------------|
| Crane Type         | : KDE200-EH-16M-12T-LB |
| Production Number  | : KDE200/12            |
| Safe Working Load  | : 12 T                 |
| Max Working Radius | : 16 M                 |
| Min Working Radius | : 1,8 M                |

|                |                   |
|----------------|-------------------|
| Pump Capacity  | : 320 L /min      |
| Hoisting Speed | : 0-35 m/min      |
| Slew Sector    | : 360° continuous |
| Slew Speed     | : 0,8 rpm         |
| List - Trim    | : 5° + 2°         |

|                              |                  |
|------------------------------|------------------|
| Voltage                      | : 690V-60Hz      |
| Heating Element              | : 1x109W         |
| Power/Duty                   | : 155kW (S6-40%) |
| Motor Speed                  | : 1750 rpm       |
| Rotation (seen from fan and) | : Right          |
| Motor Start Method           | : D.O.L          |
| Nominal Current              | : In=160 A       |
| Start Current                | : Is=792 A       |

## WEIGHT AND OUTLINE DIMENSIONS

|                  |             |
|------------------|-------------|
| Total Weight     | : 23,200 Kg |
| Assembly Drawing | : S-9307    |

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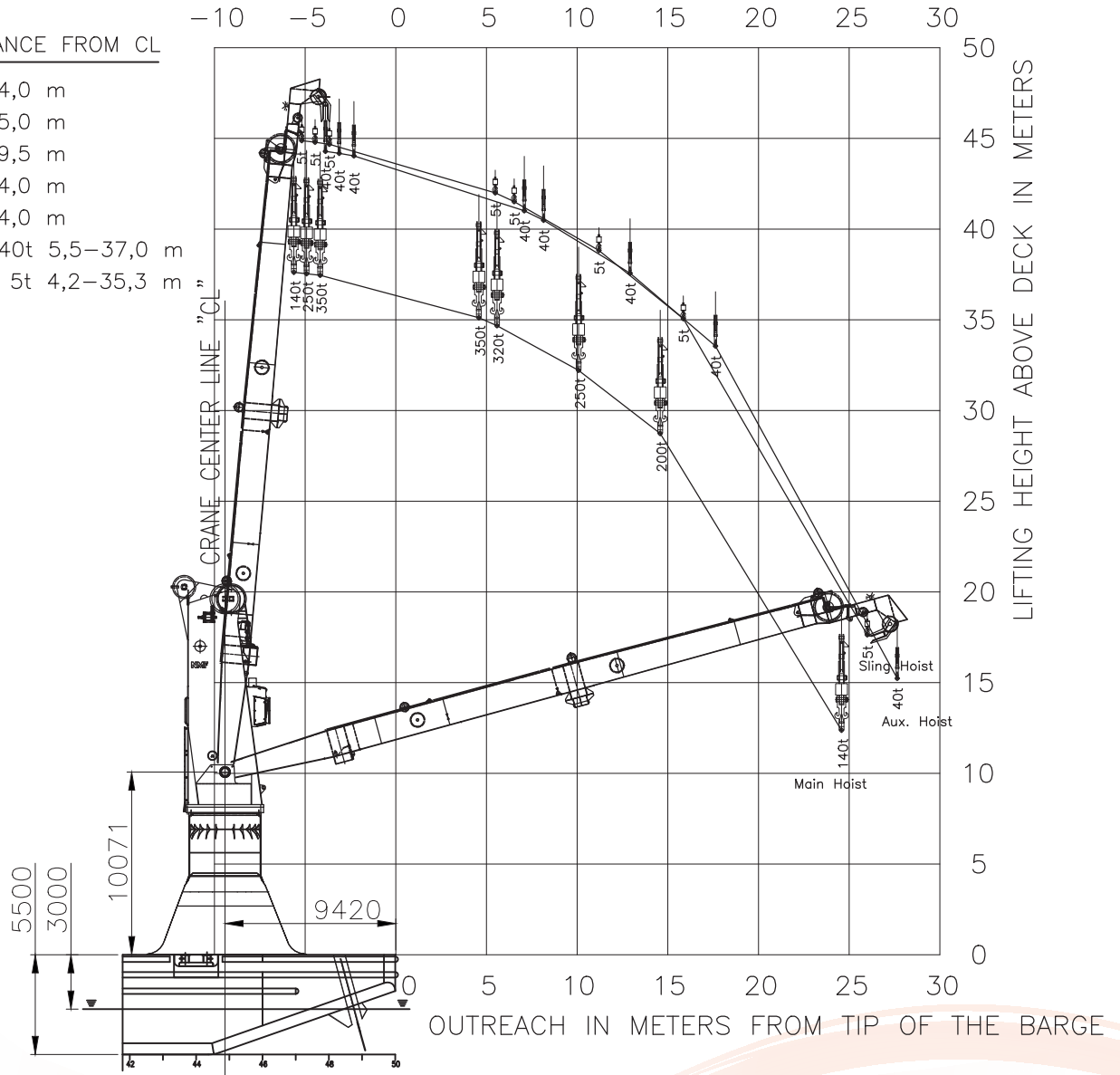
Lifting Capacity MAX: 700 Tons



## NMF DKII 350t BOARD CRANE LOAD CHART

### LOAD LIFTING DISTANCE FROM CL

|                     |             |
|---------------------|-------------|
| SWL 350t            | 5,25–14,0 m |
| SWL 320t            | 5,25–15,0 m |
| SWL 250t            | 4,50–19,5 m |
| SWL 200t            | 4,50–24,0 m |
| SWL 140t            | 3,80–34,0 m |
| AUX. HOIST: SWL 40t | 5,5–37,0 m  |
| SLING HOIST: SWL 5t | 4,2–35,3 m  |



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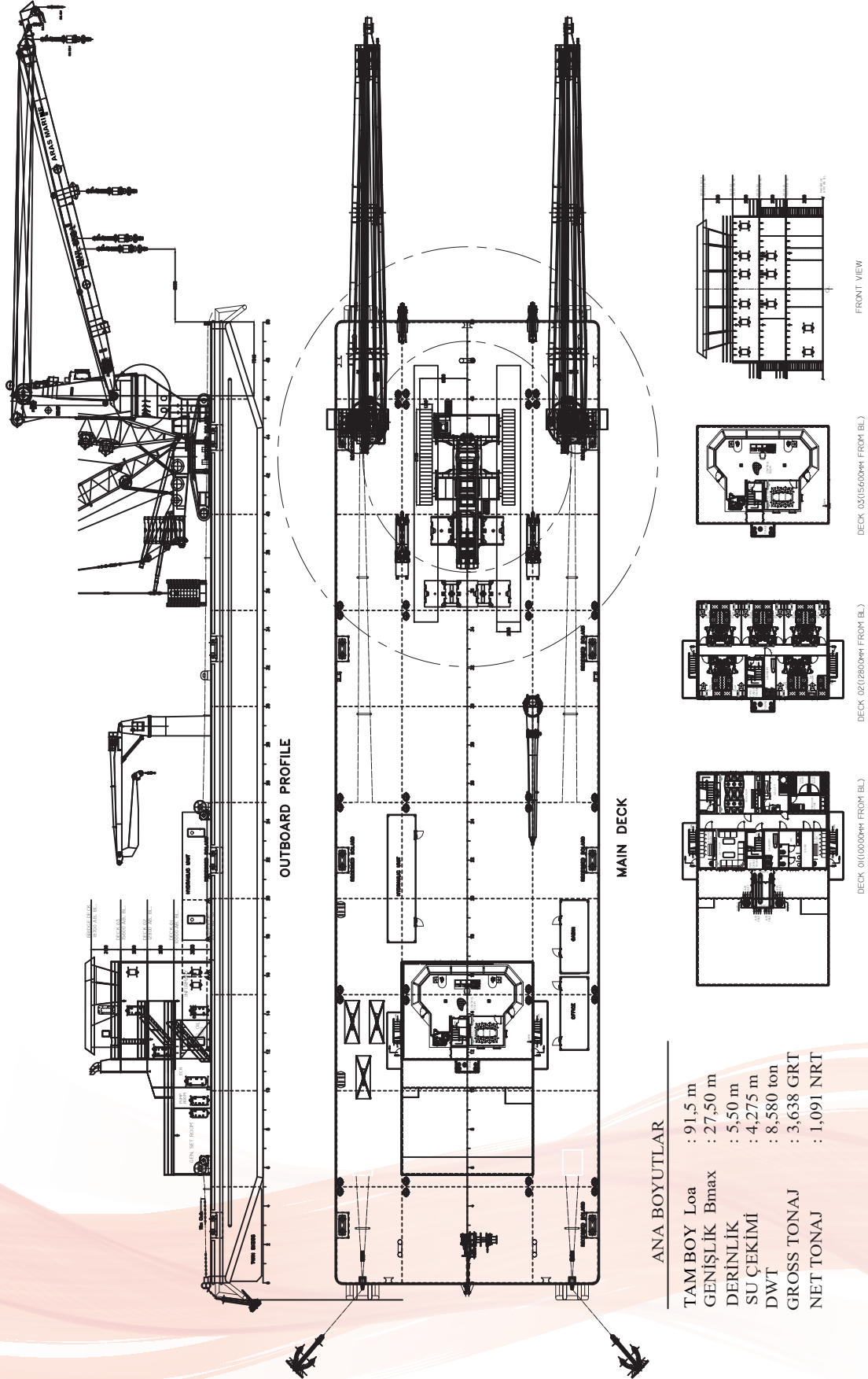


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## ANA BOYUTLAR

|             |      |             |
|-------------|------|-------------|
| TAM BOY     | Loa  | : 91,5 m    |
| GENİŞLİK    | Bmax | : 27,50 m   |
| DERİNLİK    |      | : 5,50 m    |
| SU ÇEKİMİ   |      | : 4,275 m   |
| DWT         |      | : 8,580 ton |
| GROSS TONAJ |      | : 3,638 GRT |
| NET TONAJ   |      | : 1,091 NRT |