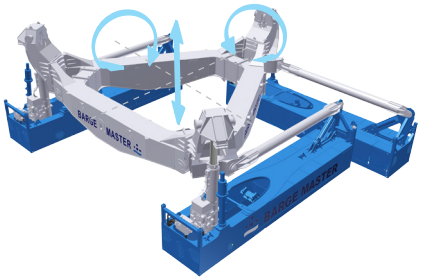
3D MOTION COMPENSATED PLATFORM BM-T700

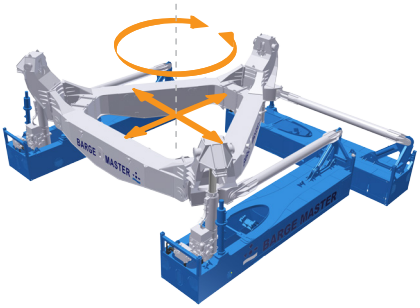
BARGE MASTER
MOTION COMPENSATION SYSTEMS

TECHNOLOGY

The BM-T700 measures vessel motions and actively compensates roll, pitch and heave motions by means of three hydraulic cylinders. The surge, sway and yaw of the vessel can already be constrained by either dynamic positioning or traditional anchor systems. The BM-T700 functions as a multifunctional platform for numerous applications.



Compensated motions



Constrained motions

Offshore lifting at North Sea

GENERAL

Crane capacity	160 mT at 12 m
Platform payload capacity	700 mT

COMPENSATION

Wave height	H_s 0 - 2.5 m
Wave period	4 - 18 s
Heave, roll and pitch motions	95%
Onboard lifting functionality	

FOOTPRINT DIMENSIONS

Foundation footprint	18.3 x 15.1 m
Control room and HPU	12 x 2.5 m
Platform working area	12 x 12 m

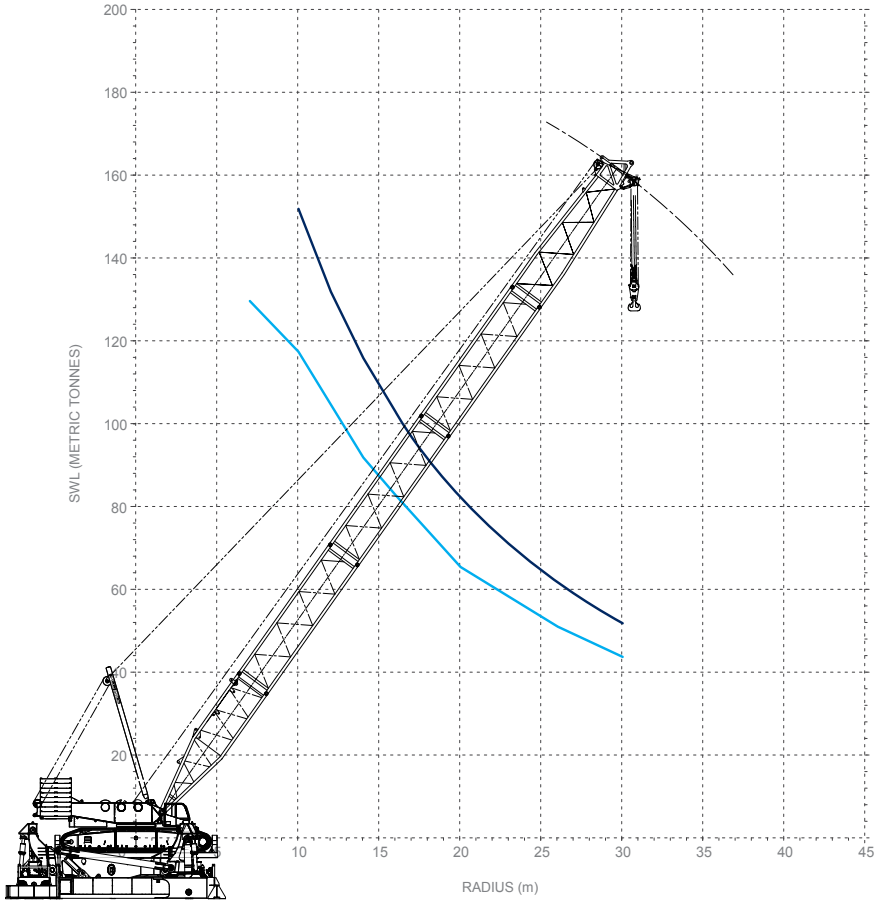
WEIGHT

Platform and foundation	270 mT
Control room and HPU	63 mT

TRANSPORT

The complete Barge Master can be shipped in standard sized containers.

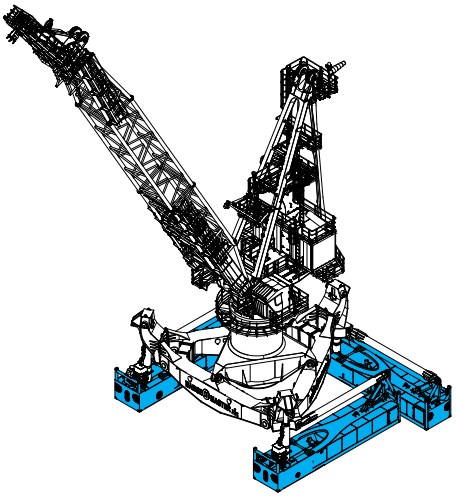
CRANE LOAD CHART



DEMAG CC2800
600 mT
or equivalent

DEMAG CC2400
400 mT
or equivalent

WELL WORKOVER

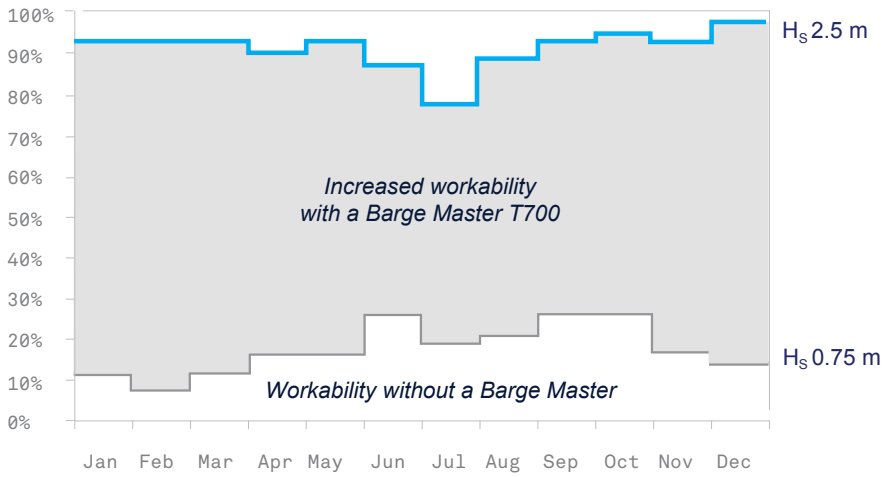


Supply Platform

The BM-T700 provides a steady platform from which equipment can operate, or can be the stable, level support of cargo and other offshore loads. The BM-T700 is easily mobilized on a barge or other vessel of opportunity. In addition, operating equipment, to be used on the BM-T700, such as cranes, can be hired worldwide. A fully functioning motion compensated crane barge or vessel can be quickly integrated: only the Barge Master needs to be mobilized. Since the entire BM-T700 system is fully containerized, mobilization costs are kept to a minimum. The BM-T700 can be purchased or rented.


Piping bridge installation

INCREASED WORKABILITY



Typical workability increase for lifting operations with a Barge Master T700

CERTIFICATION

Lloyd's Register
Certified lifting appliance

DNV
Warranty survey

LLOYD'S REGISTER QUALITY ASSURANCE ISO9001

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