

MODULE HANDLING SYSTEM, 30 TE MHS

SPECIFICATION SHEET



30 TE MODULE HANDLING SYSTEM



KEY FEATURES

- 30 TE MAIN LIFT WINCH, ACTIVE HEAVE COMPENSATED, HS 4,5 M
- OPERATION DEPTH - 2000 MSW
- 3 OFF AHC / CT GUIDE WIRE WINCHES
- 6 OFF SIDE TRACKS FOR MODULE PARKING
- 6 OFF SKIDDING PALLETS
- INTEGRATED OPERATOR CABIN
- SERVICE CRANE ON SB AFT CORNER SWL 2.9 TE @ 12 M
- EXTENSIVE OPERATIONAL EXPERIENCE
- PREPARED FOR BOLTED INTERFACES
- ALL AUTOFUNCTIONS MRU CONTROLLED

MAIN WINCH

CAPACITY	30 Te, 25 Te at 700m / 18 Te at 2000m
FUNCTIONALITY	Active Heave Compensated and Constant Tension Functions
AUTOFUNCTIONS	Normal Lifting Mode Active Heave Compensation Mode Constant Tension with low in/out hysteresis Auto Landing Function Auto Lift-off Function Pull-limit Setting Combinations of the above listed functions

GUIDE WIRW WINCHES

NUMBER	3 off Installed, Positions for 4 off Guide Wire Winches
CAPACITY	5 Te, 700 m Wire
FUNCTIONALITY	Active Heave Compensated and Constant Tension Functions
AUTOFUNCTIONS	Normal Lifting Mode Active Heave Compensation Mode Constant Tension with low in/out hysteresis Pod-wire Mode Pull-limit Setting Combinations of the above listed functions
GUIDE WIRE ARMS	4 off - Remote Controlled Positioning

TOWER STRUCTURE

CAPABILITY	Module Dimensions 5 x 5 x 8m Max Lifting Height of 8 m Skidding of reduced size Modules through MHS
WORKING ENVIRONMENT	Integrated Operator Cabin with Cyberbase Operation Environment Cabin positioned on SB side with excellent overview of the operation

SKIDDING SYSTEM

SIDE TRACKS	6 off - Module Based, 1 - 6 side tracks can be installed dependent on project specific requirements
DECK INTERFACE	Bolted / Welded
SKIDDING PALLETS	6 off

FACILITIES

HPU	1 MW Hydraulic Power Unit Integrated in 20' Container
WORKSHOP	16' Container - Positioned below platform for Operator Cabin

DESIGN RULES AND REQUIREMENTS

Det Norske Veritas Rules for Planning and Execution of Marine Operations
Norwegian Marine Directorate,"Grønbok"
NS 3472: Steel Structures, Design Rules
DNV 1994: Rules for Certification of Lifting Appliances
NS 5820: Supplier's documentation of equipment
DNV 2.7.1: Offshore Containers, 1995. (Where relevant.)
NS 5514: Dimensjonering av krankonstruksjoner etc.
NVE Norges Vassdrags og Energiverk
DeepOcean Design basis document
Odim Hitec FDS documents