

附件三、Maersk Connector 船舶規格文件



MAERSK CONNECTOR

SPECIFICATION SHEET



MAERSK CONNECTOR CABLE LAY VESSEL

The Maersk Connector is an advanced flexible product installation vessel for HVAC, umbilicals and bundled HVDC power cable via it's unique and innovative, dual basket 7000te capacity carousel.

The Maersk Connector is able to deliver all the capabilities of a DP2 installation vessel without sacrificing shallow water workability. Equipped with a 7 point mooring system, the vessel can manoeuvre on a comprehensive anchor spread, allowing close approach for shore end installations. The vessel is certified to ground out fully loaded in suitable ground conditions for beach operations.

In addition, the vessel can be mobilised with the ACP2 cable plough, the first plough in the offshore industry fully designed for optimum performance in all areas, but specifically for the safe handling, burial and immediate backfill of large diameter power cables.

KEY FEATURES

- 7000TE DUAL BASKET CAROUSEL ABLE TO LOAD OR LAY 2 CABLES SIMULTANEOUSLY
- DP2 AND 7 POINT MOORING SYSTEM
- SHALLOW WATER OPERATIONS AND ABILITY TO GROUND FULLY LOADED FOR SHORE APPLICATIONS
- 50TE AHC SUBSEA CRANE WITH DOUBLE FALL CAPACITY
- 60TE A-FRAME
- 2310M² DECK AREA, 20TE/M² DECK STRENGTH
- WORK CLASS ROV
- ACCOMMODATION FOR 90 PEOPLE



The Maersk Connector is not limited to these parameters and can be modified by DeepOcean to complete works in excess of its current configuration.

GENERAL

BUILT BY	Damen Shipyards Galati, Romania
DELIVERED	2016
CLASS	Lloyd's Register of Shipping +100A1, Cable Laying Ship +LMC,UMS, D.P. (A.A) Load and unload aground
TOTAL POB	90 persons (46 single cabins and 22 double cabins)

MAIN PARTICULARS

LENGTH (L.O.A)	138.35m
DEADWEIGHT	9300te
BREADTH	27.45m
DRAFT	Max 6.25m, Min 3.6m
DP CLASS	DP2
DP SYSTEM	MT Bridge Mate DP System
MAIN GENERATORS	2 X MAK 8M25C 2560KW 2 X MAK 6M25C 1913KW 2 x Caterpillar 3512C 1400KW
PROPULSION	2 x Azimuth Thrusters 2100KW 3 x Bow Tunnel Thrusters 1250KW
SPEED	Max Speed 11.7Kn Economical Speed 10.5Kn
7 POINT ANCHOR SPREAD	Pull Ahead Winch 135te Pull 1st Layer 2 x Fwd Winches 60te Pull 1st Layer 4 x Fwd Winches 60te Pull 1st Layer Wire / Winch 1000m Anchors 6 x 7 Flipper Delta Tug Management EIVA TMS
FUEL OIL	1773m ³ Marine Gas Oil 1430m ³ Heavy Fuel Oil (IFO 380)
BALLAST WATER	7400m ³
FRESH WATER	804m ³
DECK AREA	2310m ²
DECK STRENGTH	20te/m ²
DECK LOAD CAPACITY	Approx. 8500te
HELIDECK	21 D Diameter CAP 437 Suitable for Sikorsky 92 12te take of weight



DUAL BASKET CAROUSEL

SINGLE BASKET MODE

CAPACITY	7000te
OUTER DIAMETER	27.4m
INNER DIAMETER	4.7m, Stanchion Posts 6m, 10m and 13m
BASKET HEIGHT	7.5m Nominal Height
PRODUCT STACK HEIGHT	6.5m Nominal Stack Height
LAY SPEED	1200m/HR Max
CAROUSEL ACCELERATION	0 - Max Speed - 20 sec
CAROUSEL STOP	11 Seconds from full load, full speed
PRODUCT RANGE	Ø20mm - Ø610mm
MBR THROUGH SYSTEM	5m MBR
DUAL BASKET MODE	
INNER BASKET	3500te Capacity 4.7m-18.4m Diameter
OUTER BASKET	3500te Capacity 20m-27.4m Diameter
HAULING TENSIONERS	2 x 5te 2 track tensioners mounted on loading tower
LOADING ARMS	2 x 5m MBR hydraulic loading arms
LAY TENSIONERS	2x15teelectricdrive,two tracktensioners

LIFTING EQUIPMENT

OFFSHORE CRANE	Cargotec Knuckle Boom AHC Crane Single Fall Lift Mode 50te @ 18m AHC 22te @ 35m AHC 2000m effective working depth Double Fall Lift Mode 100te @ 11m AHC 20te @ 35m AHC 300m Working Depth
STIFF BOOM DECK CRANE	Legendijk Stiff Boom Crane, 10te @25m
A-FRAME	Lifting Capacity 60te

WROV

Supporter 19 WROV

ACP2 PLOUGH

BURIAL DEPTH	up to 3.3m
MAX PRODUCT DIAMETER	300mm
MAX BOLLARD PULL	150te

Revision Date 19.05.2017

DeepOcean accepts no responsibility for and disclaims all liability for any errors and/or omissions in this production.

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE.

www.deepoceangroup.com