

Maersk Developer/Discoverer/Deliverer DP2 drilling semi-submersible units



Owner Maersk Drilling, Denmark
Builder Keppel FELS Singapore
Delivered 2008, 2009 and 2010

Accommodation
180 persons

Description

DP2 moored dual derrick drilling semi-submersible for exploration and development drilling in moderate environment, 10,000 ft water depth combined DP2 and pre-laid mooring spread. GustoMSC type DSS-21. The DSS21 is developed jointly with Keppel DTG.

Principal dimensions

Length of main deck	77.5 m	254.3 ft
Breadth of main deck	78.5 m	255.9 ft
Depth to main deck	37 m	121.4 ft
Length overall	117 m	383.9 ft
Operational displacement	53,000 mt	
Operational draft	20.5 m	67.3 ft
Survival displacement	48,000 mt	
Survival draft	16 m	52.5 ft
Transit displacement	38,000 mt	
Transit draft	9.7 m	31.8 ft

Rules and Regulations

ABS +A1, column stabilized unit, +DPS2
 IMO - MODU code 2001.

Capacities

Bulk mud & cement	1,360 m ³	48,000 ft ³
Liquid mud (deck)	1,400 m ³	8,800 bbls
Liquid mud (floaters)	1,500 m ³	9,400 bbls
Base oil	750 m ³	4,700 bbls
Brine	750 m ³	4,700 bbls
Drill water	2,000 m ³	12,500 bbls
Potable water	800 m ³	5,000 bbls
Fuel oil	4,500 m ³	28,000 bbls
Sack storage	10,000 sacks	
Pipe racks	900 m ²	9,700 ft ²
Vertical riser storage	100 x 75 ft	

Variable load

Variable deck-column load:	
• Operational	8,500 mt
• Survival	8,500 mt
• Transit	5,000 mt
Variable load (total):	
• Operational	13,500 mt
• Survival	13,500 mt
• Transit	7,000 mt

The Netherlands

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Drilling equipment

Derrick (main + auxiliary)	210 ft - 2,000/ 1,000 kips
Rotary table	2 x 60.5"
Draw works	3,300 kW + 2,250 kW
Traveling block	2,000 + 1,000 kips
Top drive	750 t
Riser	21" OD
Riser joint length	75 ft
Riser tensioners	6 x 500 kips
Mud pumps	4 x 1,650 kW
Machinery/ equipment/ fittings	
Main generator sets	8 x 4,750 kW
Azimuthing thrusters	8 x 4,000 kW
Mooring	8 windlasses
Mooring chain	3.5"
Mooring anchors	8 x 20 t HHP
Deck crane	1 x 90 t
Knuckle boom crane	150 t

GustoMSC services

GustoMSC provided the basic design services, including ABS approval.

Data presented in this product sheet is for information only. Unit specific specifications as provided by the Owner shall prevail.

