

DSS-20-CAS-M

Semi-submersible drilling vessel

Moderate environment

3,280 ft water depth wire mooring (self contained)

Principal dimensions

Length of main deck	63.5 m	208.3 ft
Breadth of main deck	64.5 m	211.6 ft
Depth to main deck	35.0 m	114.8 ft
Length overall	90 m	295.3 ft
Operational displacement	30,500 mt	
Operational draft	20.5 m	67.3 ft
Survival displacement	27,500 mt	
Survival draft	16 m	52.5 ft
Transit displacement	21,000 mt	
Transit draft	8.4 m	27.6 ft

Capacities

Bulk mud & cement	900 m ³	31,783 ft ³
Liquid mud (deck)	600 m ³	3,774 bbls
Liquid mud (floaters)	350 m ³	2,201 bbls
Base oil	320 m ³	2,000 bbls
Brine	320 m ³	2,000 bbls
Drill water	1,200 m ³	7,547 bbls
Potable water	440 m ³	2,767 bbls
Fuel oil	780 m ³	4,906 bbls
Sack storage	5,000 sacks	
Pipe racks	390 m ²	4,198 ft ²
Vertical riser storage	200 m ²	2,153 ft ²

Variable load

Variable deck-column load:

• Operational	4,000 mt
• Survival	3,400 mt
• Transit	2,200 mt

Variable load (total):

• Operational	6,300 mt
• Survival	6,300 mt
• Transit	3,000 mt

Rules and Regulations

ABS +A1, column stabilized unit

IMO - MODU code 2001.

Accommodation

130 persons



The DSS20-CAS-M is developed jointly with Keppel FELS.

Drilling equipment

Derrick	180 ft - 2,000 kips
Rotary table	49.5"
Draw works	3,000 kW
Traveling block	
2,000 kips	
Top drive	2,000 hp
Crown compensator	25 ft
Riser	21" OD
Riser joint length	60 ft
Riser tensioners	10 x 200 kips
Mud pumps	3 x 1,650 kW

Machinery/ equipment/ fittings

Main generator sets	4 x 2,700 kW
Mooring traction winches	430 t holding
Mooring wires	76 mm, 3,000 m
Mooring anchors	8 x 12 t HHP
Deck cranes	1 x 40 t, 1 x 60 t
Knuckle boom crane	12 t

Data presented in this product sheet is for information only and subject to change without notice.

The Netherlands

Karel Doormanweg 66, 3115 JD, Schiedam
P.O. Box 687, 3100 AR Schiedam

Telephone +31 (0)10 232 0800
Telefax +31 (0)10 232 0801

www.GustoMSC.com

