

Gold Star

DP2 drilling semi-submersible unit



Owner Queiroz Galvão Óleo e Gás, Brazil
Builder Keppel FELS Singapore
Delivered 2009

Accommodation
 150 persons

Description

DP2 drilling semi-submersible unit in moderate environment up to 9,000 ft. GustoMSC type DSS-38. The DSS-38 is developed jointly with Keppel DTG.

Principal dimensions

Length of main deck	69.5 m	228 ft
Breadth of main deck	69.5 m	228 ft
Depth to main deck	35.5 m	116.5 ft
Length overall	103.5 m	340 ft
Operational displacement	39,500 mt	
Operational draft	20.5 m	67.3 ft
Survival displacement	35,800 mt	
Survival draft	16.5 m	54 ft
Transit displacement	27,000 mt	
Transit draft	8.7 m	28.5 ft

Rules and Regulations

ABS +A1, column stabilized unit + DPS-2
 IMO - MODU code 2001

Capacities

Bulk mud & cement	566 m ³	20,000 ft ³
Liquid mud (deck)	954 m ³	6,000 bbls
Liquid mud (floaters)	445 m ³	2,800 bbls
Brine	850 m ³	5,300 bbls
Drill water	1,400 m ³	8,800 bbls
Potable water	1,400 m ³	8,800 bbls
Fuel oil	2,200 m ³	25,000 bbls
Sack storage	180 m ²	2,000 ft ²
Pipe racks	1,200 m ²	13,000 ft ²
Vertical riser storage	100 x 75 ft	

Variable load

Variable deck-column load:	
• Operational	5,500 mt
• Survival	5,500 mt
• Transit	3,100 mt
Variable load (total):	
• Operational	9,500 mt
• Survival	9,500 mt
• Transit	4,800 mt

The Netherlands

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Drilling equipment

Derrick	170 ft - 2,000 kips
Rotary table	60.5"
Draw works	3,000 kW
Traveling block	2,000 kips
Top drive	750 t
Riser	21" OD
Riser joint length	75 ft
Riser tensioners	10 x 250 kips
Mud pumps	4 x 1,650 kW

Machinery/equipment/fittings

Main generator sets	10 x 3,600 kW
Thrusters	8 x 3,000 kW
Mooring	2 x windlasses
Mooring chain	3,5"
Mooring anchors	2 x 12 t HHP
Deck cranes	2 x 60 t

GustoMSC services

GustoMSC provided the basic design services, including the ABS approval.

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

