

West Epsilon

Jack-up drilling unit

Owner Seadrill, Norway
Builder Keppel FELS, Singapore
Delivered 1993

Description

Three-legged cantilever jack-up drilling unit, GustoMSC type CJ62-S120

Classification

Det Norske Veritas
 ✕ 1A1 Self-elevating mobile offshore unit

Main dimensions

Length hull	78.2 m
Breadth hull	90.3 m
Depth hull	10.8 m
Design draft	7.5 m

Survival conditions

Water depth	122.6 m
Air gap	17.8 m
Wave height	28.5 m
Current	1 m/s
Wind speed	39.9 m/s
Spudcan penetration	1.6 m

Main tank capacities

Fuel oil	682 m ³
Drill water	2,233 m ³
Potable water	302 m ³
Preload	24,425 m ³
Liquid mud	863 m ³
Bulk mud	260 m ³
Bulk cement	160 m ³
Brine	284 m ³
Base oil	284 m ³

Variable and combined load

Variable load up to	3,350 t
Combined drilling load:	
• Survival	680 t
• Operating	800 t

Legs

Leg length	175.3 m
Leg diameter	16 m
Spudcan area	250 m ²

Jacking system

Number of pinions	54
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Make	BLM
Type	C170

Fixation system

Make	GustoMSC
Type	9500

Cantilever system

Type	classic
Longitudinal reach	19.6 m
Transverse reach	9.1 m

Accommodation

115 persons

Drilling equipment

Drilling depth	7,620 m
Derrick	160 ft - 2,000 kips
Draw works	3,000 hp
Top drive	2,000 hp
Well control equipment	15,000 psi HP/HT
Mud pumps	3 x 2,200 hp

Machinery/ equipment

Main generator sets	5 x 1,800 kVA
Deck cranes	1 x 34 t, 2 x 50 t

GustoMSC services

GustoMSC provided the basic design package, including Lloyd's Register of Shipping approval.

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

The Netherlands

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