

Maersk Innovator

Jack-up drilling unit

Owner

Maersk Contractors, Denmark

Description

Three-legged X-Y cantilever jack-up drilling unit, GustoMSC type CJ70-150-MC.

Classification

Det Norske Veritas

✕1A1 Self-elevating drilling unit, DRILL (N), HELDK, CRANES, EO

Main dimensions

Length hull	88.8 m
Breadth hull	102.5 m
Depth hull	11.5 m
Design draft	8.0 m

Survival conditions

Water depth	150 m
Air gap	24 m
Wave height	29 m
Current	1 m/s
Wind speed	49 m/s
Spudcan penetration	3 m

Main tank capacities

Fuel oil	1,779 m ³
Drill water	3,320 m ³
Potable water	508 m ³
Preload	28,212 m ³
Liquid mud	1,558 m ³
Bulk mud	260 m ³
Bulk cement	208 m ³
Brine	757 m ³
Base oil	509 m ³

Variable and combined load

Variable load up to	10,000 t
Combined drilling load:	
• Survival	680 t
• Operating	1,400 t

Legs

Leg length	205 m
Leg diameter	18 m
Spudcan area	380 m ²

Jacking system

Number of pinions	54
Make	BLM
Type	C170



Fixation system

Make	GustoMSC
Type	9500

Cantilever system

Type	GustoMSC X-Y
Longitudinal reach	27.5 m
Transverse reach	20.0 m

Accommodation

120 persons

Drilling equipment

Drilling depth	9,144 m
Derrick	60 m - 2,000 kips
Draw works	4,600 hp
Top drive	2,000 hp
Well control equipment	15,000 psi HP/HT
Mud pumps	3 x 2,200 hp, 1 x 800 hp

Machinery/ equipment

Main generator sets	4 x 2,700 kW
Deck cranes	3 x 50 t

GustoMSC services

GustoMSC provided the basic design package, including Det Norske Veritas approval.

GustoMSC also supplied the fixation and X-Y cantilever skidding systems.

Delivered

Delivered in 2003 by Hyundai Heavy Industries, South Korea.