

CIMC PROMETHEUS

SEMI SUBMERSIBLE ACCOMMODATION / CRANE VESSEL



Semi submersible vessel with accommodation capacity of 500 beds and a 1100T offshore mast crane, CIMC Prometheus is suitable for your O&G projects that includes offshore heavy construction, decommissioning, installation, modification and removal activities.

SPECIFICATIONS

- Hotel capacity is 500 persons on board
- Large open deck space of 2000m²
- Telescopic Gangway of 36.5m +/- 6m
- Offshore Mast Crane of 1,100 tons lifting capacity

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General

Class	ABS
Notation	✱A1 Column-Stabilized Unit, Accommodation Service, Crane Service, UWILD

Principal Dimension

Overall

LOA	118m
Beam	70m
Height (BL to main deck)	38m
Deck Space	2000m ²
Deck Strength	3-4T/m ²

Drafts

Operational Draft	23.0m
Survival Draft	20.0m
Transit Draft	7.8m
Light Ship Weight	23,100MT
Displacement at 23m draft	52,300MT

Design Environment

Survival condition	Hs=12.0m
Hotel Operation condition	Hs=6.0m
Transit condition	Hs=3.0m
Sea water temperature	0°C to 32°C
Outside air temperature	0°C to 40°C
Structure design temperature	-10°C
Fatigue life	20 years

Capacities

Fresh Water	Approx 2100 m ³
MDO	Approx 1800 m ³
Endurance	58.3 days with 90% bunkers, 3x engines in 89% load/ Deck Load

Variable Deck Loads

Hotel Variable	5000 mT @23m Operational Draft
Crane Variable	2970 mT @23m Crane Draft
Survival Variable	5000 mT @20m Survival Draft
Transit Variable	5000 mT @7.8m Transit Draft

Helideck

Designed for helicopter operations suitable for Westland EH101 or equivalent

Helideck D-value	22.8m
Maximum Take Off Mass (MTOM)	14.6T

Safety Equipment

Life Boats	10 x 100 persons with davits
Rescue boat	1 x 6 Motor Rescue Boat
Life Rafts	25 x 25 persons

Accommodation

500 PoB	1-Man Cabin : 2 2-Man Cabin : 15 3-Man Cabin : 68 4-Man Cabin : 66
Mess room	280 seats
Client Offices	11 and 1 Client rep office (with gangway sensor indicators)
Conference Room	12 seats
Cinema	48 seats
Lounge	32 seats
Change room	351 pax (M) 87 pax (F)
Gym	Fully furnished gym

Machinery

Main Generators	4 x 1765KW LEROY SOMER ARCB 827 Total 7,000 kW
Main Engine	Caterpillar 3516B, 1901KW@1800rpm
Emergency Generator	1 x LEROY SOMER, 1300KW, 460V 60Hz
Emergency Engine	Caterpillar 3512B, 1424KW@1800rpm
F. W Generator	3 x 70T/day
Sewage Plant	2 x 270 man persons

Offshore Mast Crane

Main Hook	1x 1,100T
Fixed Lifting Max. Capacity	1,100T at 36m
Slewing 360° lifting capacity	600T at 51.1m
Max. lifting height	~79m above sea level at 23m draft
Auxiliary hook	1 x 200T
Slewing lifting capacity	200T at 84m
Max. Lifting height	~94m above sea level at 23m draft

Deck Machinery

Deck Crane	1 x 25T @ 10m, 10 T @ 30 m (Diesel-Hydraulic, A-Frame, with Man Ridding certification)
	2 x 10T @ 25m (Provision Crane)
Gangway	1 x 36.5m (Fixed Portion) + 6m Marine Aluminium telescopic gangway

Mooring & Towing

12 Point Mooring System	12x Single Drum winches
Pre-lay mooring mode	Water depth 200m up to 1000m 12 mooring lines
Anchor mooring mode	Water depth from 35m to 200m 12 mooring lines
12 sets mooring lines	Each steel wire @76x2500, breaking load (MBL) 5000KN
Anchor	12 x 15T anchors and 2 x 15T Spare Anchors
Towing	4 x SMIT Tow Brackets
Tugger Winches	8 sets
Bollard	8 sets