

ACCOMMODATION WORK BARGE



PRINCIPAL PARTICULARS

Length overall	113.80M
Breath moulded	31.70M
Depth moulded	7.30M
Operation Draft	3.80M
Class	BV
Class notation	+ Hull
	+mach special service –
	accommodation /work
	barge- no propulsion
	Unrestricted navigation,
	ALM

CARGO CAPACITY

Clear deck area	:	2000M ²
Deck loading	:	15 t/M ²
Fuel oil capacity:	:	~ 2100M ³
Fresh water capacity:	:	~ 2000M ³
	:	
	:	
	:	

ACCOMODATION

10 x 1 man cabin	:	8 men
17 x 2 men cabin	:	28 men
89 x 4 men cabin	:	264 men
Total	:	400 men
hospital	:	4 men
Chiller	:	sufficient for 400 men
Freezer	:	sufficient for 400 men
Dry provision store	:	sufficient for 400 men

Executive cabins • Offices • Conference room • Fitness room • Recreation room • Prayer room • 42" Panel TV • Stereo Surround system • DVD player • Helideck waiting room

MACHINERY/ PROPULSION

Main generator : Cummins
diesel generator : Cummins

HELIDECK

Helideck : 1 x high frequency type capable of S92 or Eurocopter EC225 reception rectangular in shape

NAVIGATION EQUIPMENT

Marine radar of 48NM, (220VAC) - 1 set
Echo Sounder IMO approved type, (24VDC or 220VAC) - 1 set
GPS IMO approved type, (220VAC) - 1 set
Marine VHF transceiver 25W, (220VAC) - 1 set
CCTV displays for 8 mooring winches.
Satellite compass unit (24VDC) - 1 set
Remote control, tension readout, line indication & Instrumentation consoles of mooring winches.
Window wiper - 2 sets
Binocular - 1 unit

DECK EQUIPMENT

Mooring anchor : 8 Delta Flipper
Mooring winches : 8 sets of single drum mooring winches
Tension sheaves : 8 off vertical tensions sheaves
Fairleads : 8 off universal fairleaders supplied
Capstan : 4 x 10t
Tugger winch : 2 x 10t tugger winch at fwd and aft main deck and 1 x 10t tugger winch at fwd A deck for towing bridle retrieval
Gangway : 1.2m x 16m
Provision crane : 1 x 2Mt @ 12M crane

LIFE SAVING EQUIPMENT

Life raft : 8 x 25 men each side (total 16)
Life buoys : 10 sets
Lifejackets : 500
First aid kit : 1 set
Rescue boat c/w davit per SOLAS : 1 set

MAIN CRANE – 300 TON PEDESTAL MOUNTED CRANE

Model : API Specification 2C "Offshore Crane"

Lifting capacity

-Main hoist-
Onboard lifts(static load) 300t up to 12.6m radius – 12 falls
Offboard lifts (dynamic load Hsig=1.0m)
· 240t up to 12m radius – 12 falls
· 145t up to 17m radius – 6 falls

-Whip hoist- Onboard lifts (static load):
· 30t up to 62m radius –2 falls (limited by winch lifting capacity)
· 1.5t up to 62m radius – 2 falls man riding
Offboard lifts (dynamic load Hsig=1.0m)
· 30t up to 62m radius –2 falls
· 1.5t up to 62m radius – 2 falls man riding

Working radius

Main hoist: min: 11.2m at 82.5°boom angle
max: 57m at 15° boom angle

Whip hoist: min: 13.4m at 82.5°boom angle
max: 62m at 15° boom angle

Number of falls

Main hoist: 12 falls / 6 falls
Whip hoist: 2 falls

Hook elevation

Main hoist: (12 falls) 3m/min -- 300t load or 5m/min -150t load (6 falls) 6 m/min – 145t load or 12m/min -75t load
Whip hoist: 0~25m/min – 30t load

Hook speed(± 1~5%)

Main hoist: ~63m (from boom tip to deck level)
Whip hoist: ~68m (from boom tip to deck level)

Wire rope

Main hoist: φ44mm, non-rotating, galvanized 1960N/mm², minimum breaking load
Whip hoist: φ34mm, non-rotating, galvanized 1960N/mm², minimum breaking load
Luffing hoist: φ44mm, non-rotating, galvanized 1960N/mm²
Minimum breaking load 1350N

Slewing

Range: 360° continuously
Speed: 0.30rpm (±1~

Luffing

Range: +15° ~ +82.5° (parking angle for boom can be -6° ~+15°)
Time full load: approx. 320s (+15° ~ +82.5°) from max. to min radius with full load