

CSBC No.5 - 50m Barge

MAIN DIMENSIONS

LENGTH (O.A.)	50.00 m
BREADTH (MLD.)	18.00 m
DEPTH (MLD.)	3.50 m
DESIGN DRAFT (MLD.)	2.91 m
SCANTLING DRAFT (MLD.)	2.91 m

DECK

Deck area	Abt. 700 m ²
Deck strength	3.7 MT/m ² at midship 3.5 MT/m ² at ends

GENERAL INFORMATION

GROSS TONNAGE	Abt. 800 Tons
DEADWEIGHT	Abt. 2149 MT



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CSBC No.15 - 140M Barge (under construction)

Date : May 23, 2018
Rev. 3

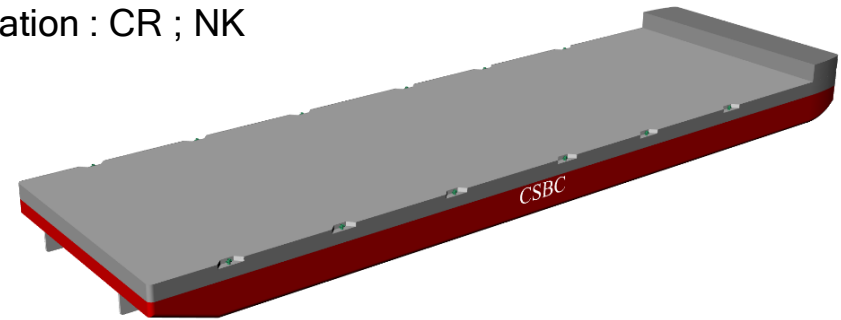
PRINCIPAL PARTICULARS

LENGTH (O.A.)	abt.	140.00 M
BREADTH (MLD.)		41.00 M
DEPTH (MLD.)		8.00 M
DESIGN DRAFT (MLD.)		5.50 M
SCANTLING DRAFT (MLD.)		7.10 M
DEADWEIGHT (on 5.50m draft)	abt.	23,000 MT
DEADWEIGHT (on 7.10m draft)		32,000 MT

DESIGN FEATURE

1. The BARGE could be used to load on FDN of the substation (3,500MT), topside (3,400MT) and grillage(1,200MT) at the same time.
2. Could be used to load on 4 set of WTG foundations (total 3,000 MT).
3. Consider the tidal difference from each harbor in Taiwan (Kaohsiung, Keelung, Taichung, Taipei), the barge could be used to execute loading work at any time.
4. The deck strength is enhanced for different loading plan, e.g., load on from the stern, side, by lifting or by SPMT.

Flag : R.O.C
Classification : CR ; NK



LOAD CAPACITY

Cargo area : 5330 m²
Deadweight : 23,000 MT at draft 5.5m
Deck load : 20 MT/m²

DECK MACHINERY & EQUIPMENT

Ballast Pump : 4x 1500 m³/ hr
Windlass / Mooring winch : 2 sets, 13.1/10t. x 9/12 m/min.
Mooring winch : 3 sets, 10t. x 12 m/min.
D/G : 2x 400 kW x 1800 rpm (Tier II)

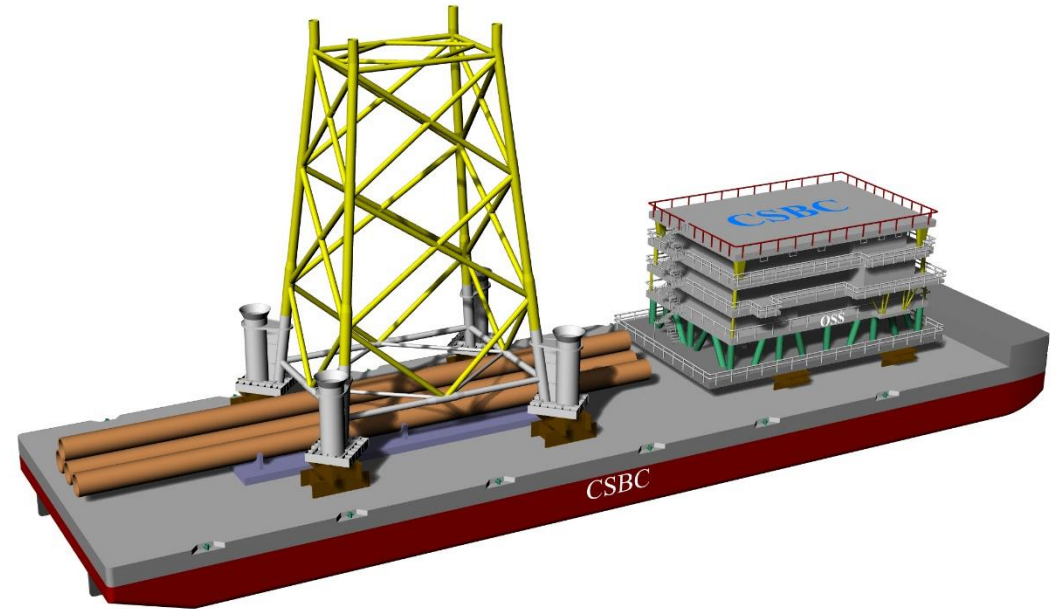
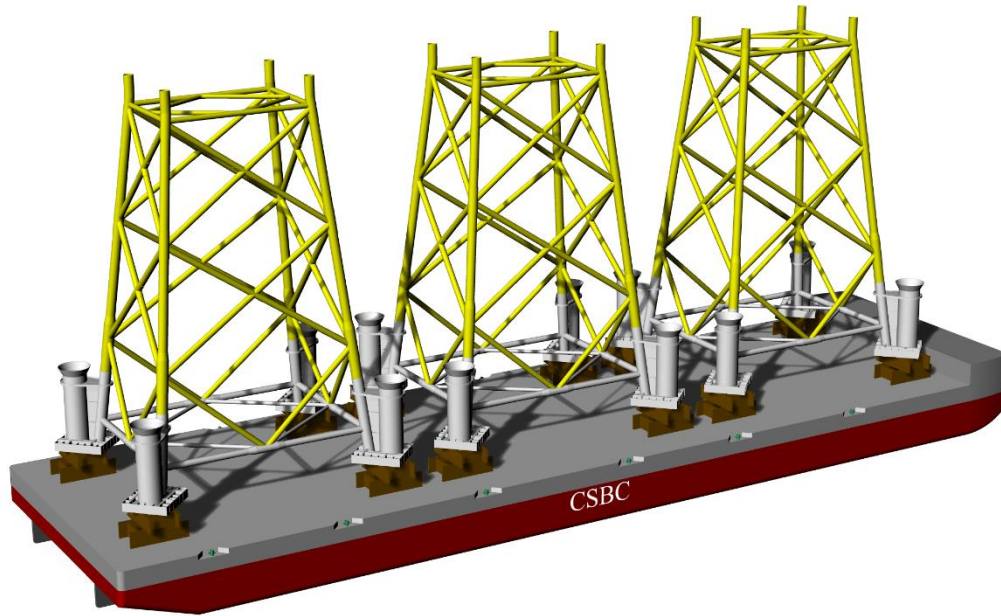


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CSBC No.11 - 5200HP Tug

MAIN PARTICULARS

Length Over All	abt.	38.10 M
Length Between Perpendiculars	abt.	35.24 M
Breadth (moulded)	abt.	11.00 M
Depth (moulded)	abt.	5.00 M
Design draft (moulded)	abt.	3.90 M
Deadweight at design draft	abt.	230 MT
Scantling draft (moulded)		4.25 M

TONNAGE

GT	abt.	499
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SPEED

Service speed , MCR at design draft	abt.	12.00 kts
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FUEL OIL CONSUMPTION

FOC of M/E at MCR based on LCV 10,200 kcal/kg	abt.	18.3 MT/D
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ENDURANCE

At design speed and MCR of M/E	abt.	1,400 NM
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CLASS

CR 100+ , E , CMS+ , TUG , ocean going service

COMPLEMENT

13 persons

TANK CAPACITY

Marine diesel oil	abt.	95 M ³
Lubricated oil	abt.	10 M ³
Fresh water	abt.	48 M ³
Ballast	abt.	50 M ³

MAIN ENGINE

NIIGATA 8L28HX	2 sets
MCR	2,700HP x 750 rpm
REDUCTION GEAR RATIO	3.099

BOLLARD PULL AHEAD

64.0 MT

POWER EQUIPMENT

104 kW Diesel generator	3 sets
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EXTERNAL FIRE FIGHTING SYSTEM

Nil

ANCHOR/TOWING WINCH

Hydraulic windlass/winch	
Windlass:	3 sets
Towing winch:	1 set

PROPELLER UNIT

NIIGATA ZP-41:	2 sets
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CSBC No.12 - 5200HP Tug

MAIN PARTICULARS

Length Over All	abt.	38.10 M
Length Between Perpendiculars	abt.	35.24 M
Breadth (moulded)	abt.	11.00 M
Depth (moulded)	abt.	5.00 M
Design draft (moulded)	abt.	3.90 M
Deadweight at design draft	abt.	230 MT
Scantling draft (moulded)		4.25 M

TONNAGE

GT	abt.	499
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SPEED

Service speed , MCR at design draft	abt.	12.00 kts
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FUEL OIL CONSUMPTION

FOC of M/E at MCR based on LCV 10,200 kcal/kg	abt.	18.3 MT/D
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ENDURANCE

At design speed and MCR of M/E	abt.	1,400 NM
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CLASS

CR 100+ , E , CMS+ , TUG , ocean going service

COMPLEMENT

13 persons

TANK CAPACITY

Marine diesel oil	abt.	95 M ³
Lubricated oil	abt.	10 M ³
Fresh water	abt.	48 M ³
Ballast	abt.	50 M ³

MAIN ENGINE

NIIGATA 8L28HX	2 sets
MCR	2,700HP x 750 rpm
REDUCTION GEAR RATIO	3.099

BOLLARD PULL AHEAD

64.0 MT

POWER EQUIPMENT

104 kW Diesel generator	3 sets
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EXTERNAL FIRE FIGHTING SYSTEM

Nil

ANCHOR/TOWING WINCH

Hydraulic windlass/winch	
Windlass:	3 sets
Towing winch:	1 set

PROPELLER UNIT

NIIGATA ZP-41:	2 sets
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