
Design: STX AH 08
Built: 2011
IMO No: 9447641

Skandi Saigon



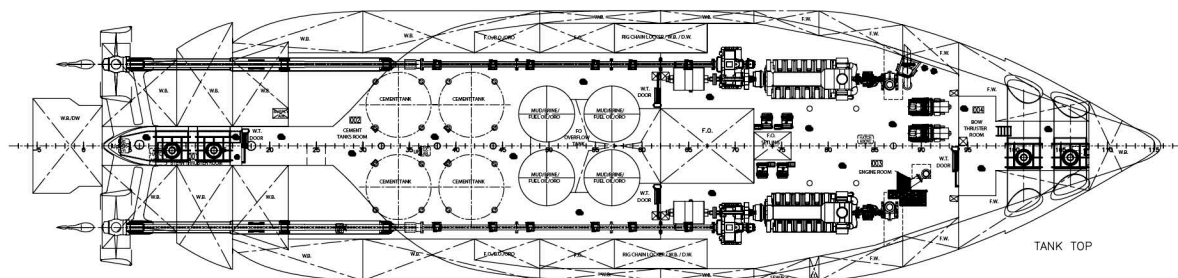
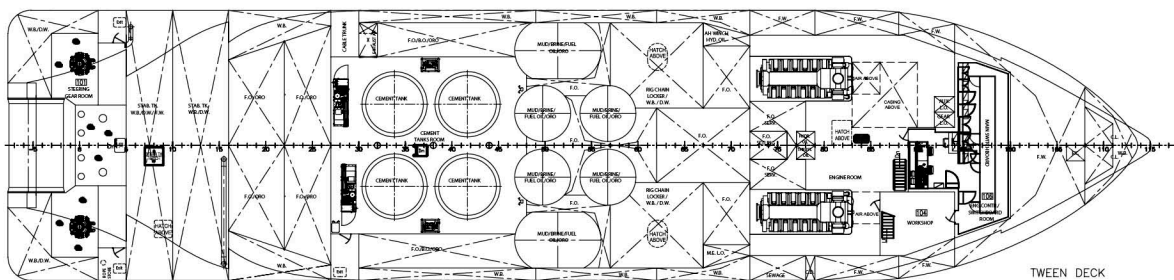
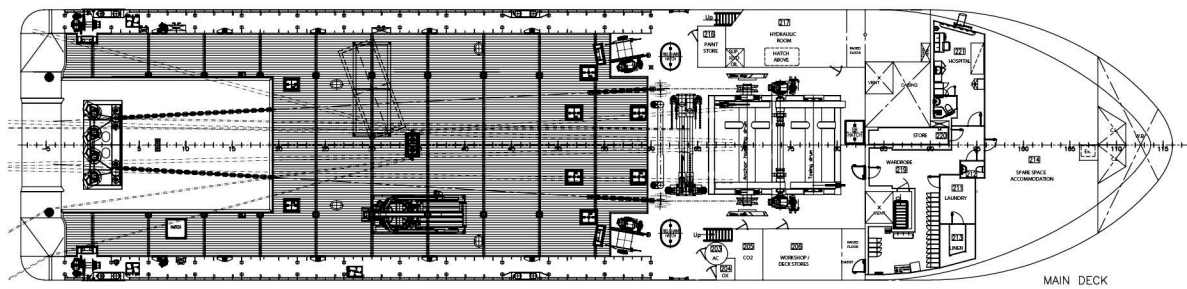
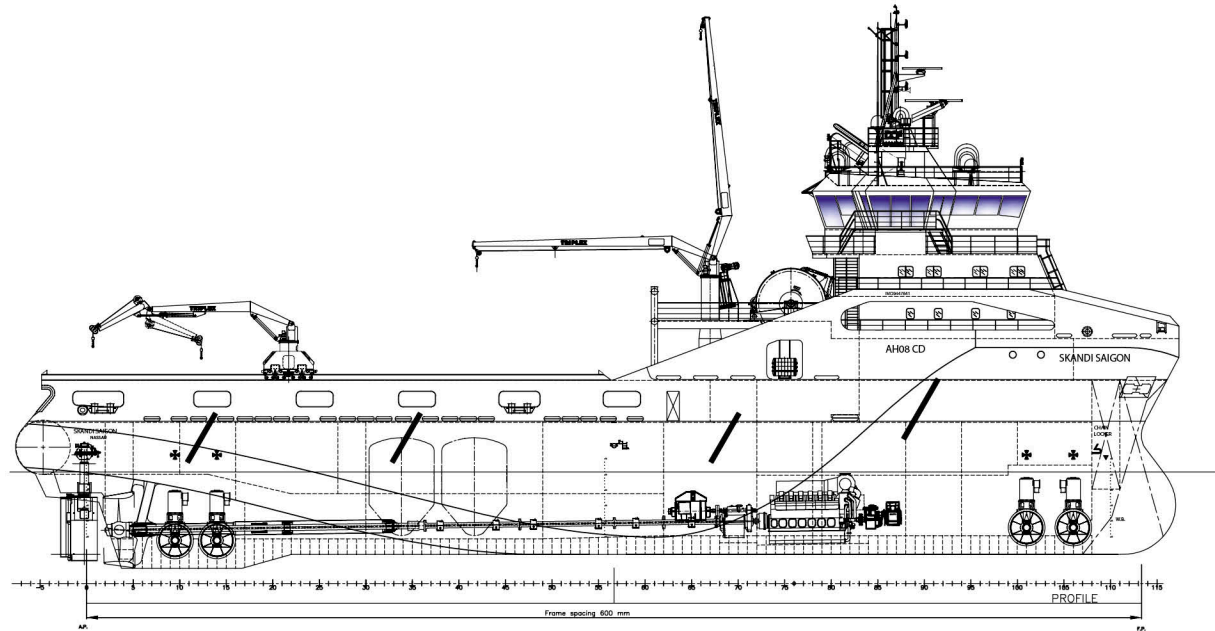
A part of the DDW Offshore Fleet

www.ddwoffshore.com

Skandi Saigon

IMO No 9447641

DDW
OFFSHORE



SKANDI SAIGON

VESSEL MAIN PARTICULARS

Vessel design	Aker AH 08
Vessel name	Skandi Saigon
Manager (DOC holder)	DDW Offshore AS
Owner	DDW Offshore AS
Type	AHTS
Class definition	DNV: +1A1, Tug Fire Fighter I+and II,OILREC, SF E0, DYNPOS-AUTR, NAUT-OSV(A), CLEAN DESIGN, DK(+), HL(2.8), TMON
Vessel built	2011
Yard	VARD VUNG TAU, Vietnam
Yard no	AYV 004
Port of registry	Bergen
Flag state	NIS
Safe Manning	10
Next dry docking	AUG 2021

PRINCIPAL DIMENSIONS

LOA	75 m
LPP	68 m
Breadth mld	17.4 m
Depth mld to main deck	8.5 m
Min Draft	4.15 m
Summer draft	7,0 m (+0,9 m skeg)
Airdraft	34.25 m (min. draft)
Deadweight	3173,1 t
Lightship	3299.42 t
Gross tonnage	3181 t
Net tonnage	1129 t

PERFORMANCE

Max speed	15.5 knots
BHP	16316 BHP (2x 8158 BHP) / 12000 (KW)
Bollard Pull Continuous	196 t
Bollard pull max	

PROPULSION / MAIN ENGINES

Main engines (make)	2x Rolls-Royce Marine, B32-40 V12P
Number of main engines	2
Total output main engines (kW)	12 000 kW
Main propellers	2 Scana Volda Hub 105, 4 blades
Propellers diameter	Ø 4000 mm
Drive type shaft/diesel-electric	shaft
Fuel type MGO/HFO	MGO

THRUSTERS / PROPELLERS

Bow thruster	2x Brunvoll, FU-80-LTC-2000 880 kW
Stern thrusters	2x Brunvoll, FU-80-LTC-2000 880 kW

GENERATORS / AUX GENERATORS

Shaft generators make:	AEM
------------------------	-----

Shaft generators capacity:	2x 2400kW, 3000 kVA, 3849 A
Aux generators Make:	2x Scania AB, DI 16 55 M
Aux generators capacity:	2x 405 kW (2x 550 hp)
EM generator make:	Nogva UCM274E1
EM generator capacity:	99 kW (135 hp)

CARGO DECK

Deck space	512 m ²
Deck length	36.5 m
Deck breadth	14.4 m
Deck strength	10 t/m ²
Deck cargo capacity (tonnes)	1000 t @ 1 m above deck
Height of cargo rail	2,8 m

CARGO CAPACITY SUMMARY

Fuel oil	Max in combination tanks 1686m ³ , (90% 1517m ³)
Fresh water	646,8 m ³ (100%)
Drill water	Normal: 826m ³ . Max 1948m ³ (All BW/ DW tanks)
Liquid Mud	430 m ³
Base oil	235,3 m ³
Brine	430 m ³
Dry Bulk	264 m ³
Special products	Soap Mix 2m ³
Oil recovery	1039m ³
Rig chain lockers	2 x 153 m ³
Slop	84.6 m ³
Combination tank system	Yes

DRILL WATER

Tank capacity	826 m ³
---------------	--------------------

Number of tanks	5+2 or total 23 (if combination tanks used)
Pump capacities	120 - 200 m³/h
Pump type screw/centrifugal	Centrifugal
Number of pumps	1

FW

Tank capacity	641 m³
Number of tanks	8
Pump capacity	200 m³/h ; 70 m³/h
Pump type screw/centrifugal	Centrifugal
Number of pumps	2

FUEL OIL

Tank capacity	Max in combination tanks 1686m3, (90% 1517m3)
Number of tanks	17
Pump capacity	120 - 200 m³/h
Pump type screw/centrifugal	Screw
Number of pumps	1
Flowmeter	Yes

LIQUID MUD

Tank capacity	430 m³ (Same tank as brine)
Number of tanks	6
Pump capacity	37 - 75 m³/h
Pump type screw/centrifugal	Screw
Number of pumps	2
Fixed tank cleaning system	No
Tank washing pipe system	No
Agitator or circulation	Agitator
Possible to handle two types of mud simultaneously	Yes

Max SG	2.7 t/m ³
--------	----------------------

DRY BULK

Tank capacity	264 m ³
Number of tanks	4
Compressor capacity	2 x 1554 m ³ /h
Segregated system	Yes
Air dryer	Yes

BASE OIL

Tank capacity	235.3 m ³
Number of tanks	2
Pump capacity	63-110 m ³ /h
Pump type screw/centrifugal	Screw
Number of pumps	2
Possible to handle two types of base oil simultaneously	No

BRINE

Tank capacity	430 m ³ (Same tank as mud)
Number of tanks	6
Pump capacity	37-75 m ³ /h
Pump type screw/centrifugal	Screw
Number of pumps	2
Fixed tank cleaning system	No
Possible to handle two types of brine simultaneously	yes

SLOP TANKS

Tank capacity	430 m ³ (mud tanks)
Number of tanks	4
Pump capacity	2 x 75 m ³ /h

CARGO LOADING / DISCHARGING CONNECTIONS

Fuel oil	5" Weco Fig. 50
Fresh water	5" Weco Fig. 50
Liquid mud	5" Weco Fig. 50
Brine	5" Weco Fig. 50
Drill water	5" Weco Fig. 50
Drybulk	N5" Weco Fig. 50
Base oil	5" Weco Fig. 50

POWER SUPPLY DECK

Air outlets	3
Air outlet capacity	8,9 bar, 2,2 m ³ /min
Reefer outlets	3
Reefer outlet capacity	1x 440V/32A; 2x 220V/26A

ROLL REDUCTION SYSTEM

Roll reduction system type	Inertial stabtanks
Number of roll reduction tanks	2 x (S1 207.5 m ³ , S2 164.4 m ³)

EVAPORATOR / OSMOSIS

Reverse osmosis type	HANSUN HSRO-10
Reverse osmosis capacity	10 m ³

DECK CRANES

Cargo rail crane	Triplex, KNC 50/3,0/85/35 12 m – 3 t
Crane TBN	Triplex, K-50/3,0/150/27 10 m – 5 T / 15 m – 3,2 t

ANCHOR HANDLING WINCH

Type	Rolls-Royce, Brattvaag, Waterfall Type
------	--

Length of drum	3450 mm + 900mm(spool comp.) 3600 m - 76mm, 2900 m - 83 mm, 2400 m - 90 mm
Inner drum diameter	1050mm
Diameter of flanges	2850mm
Low gear: Drive hoist first layer	350 t @ 0-10,5 m/min
Low gear: Drive hoist top layer	144 t @ 0-25 m/min
Low gear: Lowering first layer	0-34m/min
Low gear: Lowering top layer	0-84m/min
Low gear: Dynamic braking first layer	64-480 t @ 0-51m/min
Low gear: Dynamic braking top layer	26-196 t @ 0-126 m/min
High gear: Drive hoist first layer	90 T @ 0-34 m/min
High gear: Drive hoist top layer	37 T @ 0-84 m/min
High gear: Lowering first layer	0-34 m/min
High gear: Dynamic braking first layer	64-480 t at 0-51 m/min
High gear: Dynamic braking top layer	26-196 tonnes at 0-126 m/min
Brake holding first layer	450 t

TOW / WORK WINCH

Type	Rolls-Royce, Brattvaag, Waterfall Type
Length of drum	3450 mm + 900mm(spool comp.) 3400 m - 76mm, 2300 m - 83 mm
Inner drum diameter	1050mm
Diameter of flanges	2850mm
Low gear: Drive hoist first layer	350 t @ 0-10,5 m/min
Low gear: Drive hoist top layer	144 t @ 0-25 m/min
Low gear: Lowering first layer	0-34m/min
Low gear: Lowering top layer	0-84m/min
Low gear: Dynamic braking first layer	64-480 t @ 0-51m/min
Low gear: Dynamic braking top layer	26-196 t @ 0-126 m/min
High gear: Drive hoist first layer	90 T @ 0-34 m/min
High gear: Drive hoist top layer	37 T @ 0-84 m/min
High gear: Lowering first layer	0-34 m/min

High gear: Lowering top layer	0-84 m/min
High gear: Dynamic braking first layer	64-480 t at 0-51 m/min
High gear: Dynamic braking top layer	26-196 tonnes at 0-126 m/min
Brake holding first layer	450 t

SECONDARY WINCHES

Type	Brattvaag ALM 63130 max 130t
Length of drum	2300 MM X2 + 750 MM X2
Inner drum diameter	1500 mm
Diameter of flanges	4500 mm
Drive hoist first layer	130 t @ 0-18 m/min
Drive hoist top layer	53 t @ 0-45 m/min
Capacity wire	1400 m of 160 mm fiber - 900 m of 200 mm fiber

ANCHOR HANDLING EQUIPMENT

Shark jaws	2 x Karmoy Winch ø 500/600t SWL for chain and wire up to 165mm
Spare shark jaw inserts	1 x 95-125, 2 x 85-102, 2 x 75-90, 2 x 60-80, 1 x 50-65
Towing pins	2 pairs, Karmoy, 330 t
Steering pins	2 x Karmoy Winch height above the deck 374mm / 95t SWL
Stern roller dim	1 x Rolls Royce Marine ø 3500mm/L 6000mm 550t NWL
Water monitors	Yes 1 x PS & 1 x STBD
J-hook	1 x Ghook WLL 110T
Grapnel	WWL 110T
Swivel numbers of.	1x 3½"/160 t; 1x 80 mm/400 t
Swivel SWL	1 x Swivel WLL 160T
55 t shackles	4x SWL 55 t, MBL 330 t
85 T shackles	4x SWL 85 T, MBL 510 t

120 T shackles

1x SWL 120 T, MBL 600 T; 1x 120 T Super Green Pin shackle

FIBRE ROPE CAPACITIES

Secondary drums

160 mm fiber: 1.100 m (one drum only)

Secondary drums

203 mm fiber: 800 m (one drum only)

Weight limitation

max 100 ton product on drum

WIRE STATUS

AH drum

850m ø 83mm

Tow drum

1500m ø 83mm

Sec drum Starboard

Spare tow wire 1400m 83mm

GYPSYS INSTALLED

Gypsy starboard side

2x 76 mm, 2x 84 mm

DECK MACHINERY

Tugger wick type

2 x Brattvaag LAKM 132024

Tugger wick capacity

24 t

Tugger wick hoisting speed

24 t @ 0-22 m/min

Capstan type

2 x Brattvaag LAKMX 22012

Capstan capacity

12 t

Capstan hoisting speed

12 t @ 0-17 m/min

WINDLASS

Type

1 x Brattvaag BFGX 63044 max 18t

Cable lifter hoisting speed/pull

9,8 t @ 0-13 m/min

Cable lifter Lowering speed

0-46 m/min

Anchor type

2x SPEK anchor (M type), 3060kg

Chain length

2x 247,5 m (9 lengths of 27,5 m) Ø 44 mm Grade NVK3

Mooring drum capacity/pull

Not specified / pull 60.1 t (first layer)

RIG CHAIN LOCKERS

Chain lockers numbers & m ³	2 x 157,5 m ³
Capacity 76 mm chain	2 x 1100 m
Capacity 84 mm chain	84 mm / appr. 2 x 750 m

NAVIGATION EQUIPMENT

X-band Radar	Sperry, 8 FT Antenna Type No.:65608/A
S band Radar	Sperry, 12FT Antenna Type No.:656112/A
Electronic chart system	2x Sperry, VisionMaster FT 23"
Autopilot	Sperry, Navipilot 4000
GPS	2 x Saab Transponder Tech R4
Echosounder	Northrop Grumman, LAZ 5100-01
Magnetic Compass	Sperry, NavPol II magnetic Jupiter, Type 4105
Gyro compass	3 x Northrop Grumman, NAVIGAT X MK
Speed Log	Sperry, NAVIKNOT 350 E
Wind gauge	2 X Wind Observer 11, Ultrasonic Anemometers
AIS	Saab R4-J4

COMMUNICATION EQUIPMENT

MF/HF	Sailor TU5250 (258 W)
MF/HF DSC	Built in
VHF DSC	Built in
EPIRB	2 x Sailor Thrane&Thrane SGE 406-II
SART	2 x McMurdo S4 Rescue SART
Inmarsat C	2 x Thrane&Thrane TT-3026 Nr. 1-st: 431101232, 2nd: 431101232
Portable VHF	3 x Sailor SP3520 GMDSS
Portable UHF	4 x Motorola GP339, 4 x Motorola GP388
Helicopter radio	ICOM IC-A110EURO + ICOM IC-A6E (portable)

VHF	1 x Sailor RT 2048, 1 x Sailor RT5022
Inmarsat FleetBroadband	Sailor Thrane&Thrane TT-3622B

DYNAMIC POSITIONING SYSTEM

Class definition	DYNPOS-AUTR (IMO DP2)
Type	KONGSBERG K-POS DP-22
DGPS no1	Kongsberg Seatex DPS 122
DGPS no2	Kongsberg Seatex DPS 232
Diff correction	IALA, Inmarsat, Spotbeam (122), IALA, Inmarsat, Spotbeam, XP HP (232)
Fanbeam	MDL Fanbeam Laser Mk 4,2
Transponders	2 x Fanbeam reflectors, 1 x RADius 700 Low Power Transponder
Radius	Kongsberg RADius 1000
ERN number	99,99,87,85

JOYSTICK

Type	C- Joy and C-Wing
Connections points	C-Joy on aft bridge console; C-Wing on forward bridge console and PS and SB wing.

ACCOMMODATION

Total number of bunks	27
Officers Cabins	7
Crew single Cabins	7
Crew double Cabins	10
Messroom/Rec rooms	1
Gymnasium	Yes
Hospital	1
Offices	2
Smoking Room	1

GALLEY

Freezer space(m ³)	11.2 m ³
Cooler space (m ³)	12.4 m ³

LIFE SAVING EQUIPMENT

MOB boat	NORMAR-FRC 750
MOB boat	15 people
Liferafts	6 x VIKING 16 pers.
Lifejackets	33 x VIKING
Survival suits	31 x VIKING
Working/MOB-boat suits	4 x Helly Hansen

FIFI / DISPERSANT SYSTEM

Type	2x Jason FM400HD-01
Fire Fighting class	Fire Fighter I and II
Throw height / length	70 m / 200 m
Monitors capacity	2x 3600 m ³ /h, 13-15 bar

INCINERATOR

Incinerator type	HANSUN HSINC-18
------------------	-----------------



DDW Offshore AS

Oksenøyveien 10
1366 Lysaker
NORWAY

+47 21 52 58 00