

2014
THE COLLECTION
GREAT LAKES SHIPYARD **G**®





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Jensen Maritime Consultants is a full-service naval architecture and marine engineering firm that delivers innovative, comprehensive and high-value engineering solutions to the marine community.

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GREAT LAKES SHIPYARD
 AN AFFILIATE OF THE GREAT LAKES GROUP

Great Lakes Shipyard is a full-service shipyard for new vessel and barge construction, fabrication, maintenance, and repairs in a state-of-the-art facility that includes a 770-ton mobile Travelift and a 300-ton floating drydock.

2014 JENSEN SERIES THE COLLECTION

GREAT LAKES SHIPYARD

60	65	74	86
WORKBOAT	Z-DRIVE TUG	MULTI- PURPOSE TUG	Z-DRIVE TUG

DIMENSIONS

Length	60'-0"	65'-0"	74'-0"	86'-0"
Breadth	20'-0"	24'-0"	30'-0"	36'-0"
Depth	8'-1"	10'-0"	13'-3"	15'-10"
Draft (Loaded)	6'-13"	7'-6"	11'-6"	16'-0"

FEATURES*

Engine	Cummins QSM II	Caterpillar C18	Cummins QSK-38	MTU—DD 16V400
Horsepower	405 hp	1,400 hp	2,800 hp	5,360 hp
Bollard Pull	12,000 lbs	36,000 lbs	72,000 lbs	139,000 lbs
Fuel Capacity	2,400 gal	7,000 gal	26,170 gal	31,050 gal
Speed (Cruising)	10 kts	10 kts	12 kts	12 kts
Speed (Maximum)	12 kts	12 kts	12 kts	13 kts
Potable Water Capacity	50 gal	1,730 gal	1,855 gal	3,150 gal
Berths	0	6	6	6

SERVICES

Escort	○	○	●	●
Harbor	●	●	●	●
Linehaul	○	○	○	○
Offshore Escort	○	○	○	○
Salvage	○	○	○	○
Training	○	●	○	○
Utility	●	○	○	○

92
ASD
TRACTOR
TUG

94
Z-DRIVE
TUG

100
Z-DRIVE
TUG

100
LNG TUG

111
MULTI-
PURPOSE
TUG

150
LINEHAUL
TUG

92'-0"

94'-0"

100'-0"

100'-0"

111'-5"

150'-11"

38'-0"

32'-0"

40'-0"

40'-0"

42'-6"

44'-3"

16'-9"

14'-9"

17'-0"

17'-0"

18'-0"

24'-3"

18'-3"

13'-0"

19'-4"

19'-0"

16'-4"

22'-4"

Caterpillar
C280-6

Caterpillar
C3516

Caterpillar
C3516

Bergen
C26:33L8P

Caterpillar
C3516

Azimuth
Stern Drives

4,640 hp

4,000 hp

6,800 hp

5,792 hp

6,300 hp

8,120 hp

121,000 lbs

110,000 lbs

160,000 lbs

160,000 lbs

178,000 lbs

220,000 lbs

38,325 gal

33,632 gal

70,875 gal

13,208 gal

117,000 gal

177,000 gal

10 kts

12 kts

12 kts

12 kts

12 kts

12 kts

12.7 kts

14 kts

14 kts

14 kts

14 kts

15 kts

2,500 gal

1,750 gal

2,425 gal

2,425 gal

14,529 gal

10,150 gal

6 - 8

8

8

8

11

15



60 WORKBOAT



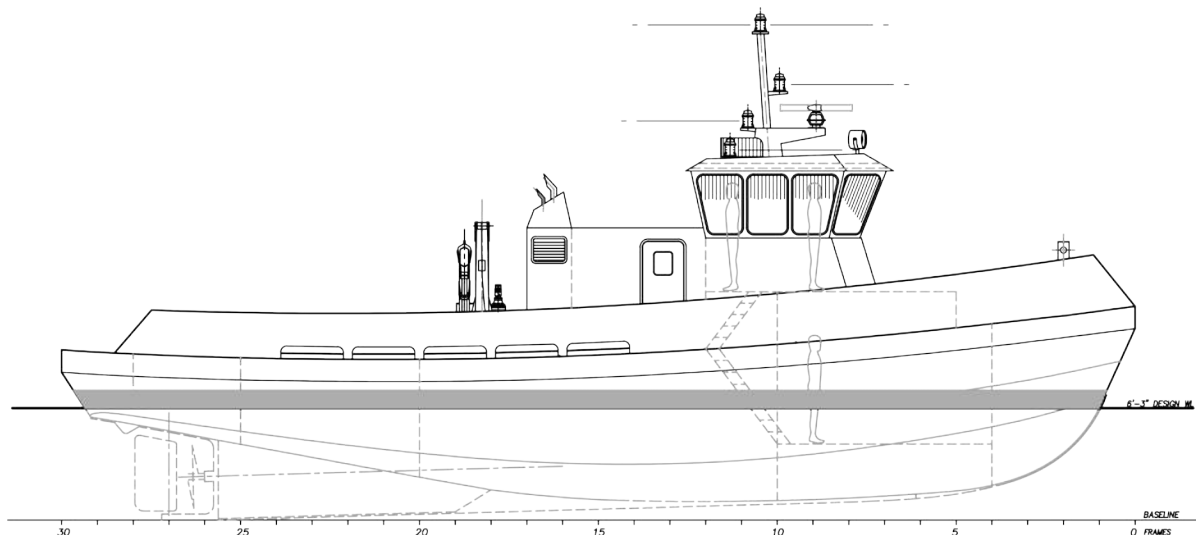
The Jensen 60 Workboat was developed to meet the requirements for a multi-purpose workboat. The vessel offers the following operational capabilities: salvage support, dive operations support, light ice breaking, general harbor work, and security patrol. Additional features include a stepped up wheelhouse allowing 360 degree visibility, a folding crane and grapple hook for salvage operations, a deckhouse amidships with a change room for diving crews, and a recessed platform aft and diving ladder allowing divers to get in and out of water easier.

DIMENSIONS

Length	60'-0"
Breadth	20'-0"
Depth	8'-1"
Draft (Loaded)	6'-3"
Tonnage	<100 GT US Regulatory

SPECIFICATIONS*

Propulsion	Cummins QSM II 405 hp Twin Disc 5114DC
Horsepower	405 hp
Bollard Pull	12,000 lbs
Speed	10 kts Cruise, 12 kts Maximum
Generator	Onan 27.5 MDKBT 27.5 kW
Crane	Deepwater 14000 EX3 2200 lbs @ 30'
Fuel Capacity	2,400 gal
Potable Water Capacity	50 gal
Accommodations	Day Boat
Services	Harbor and Utility



*As shown. Features are customizable.

65 Z-DRIVE TUG



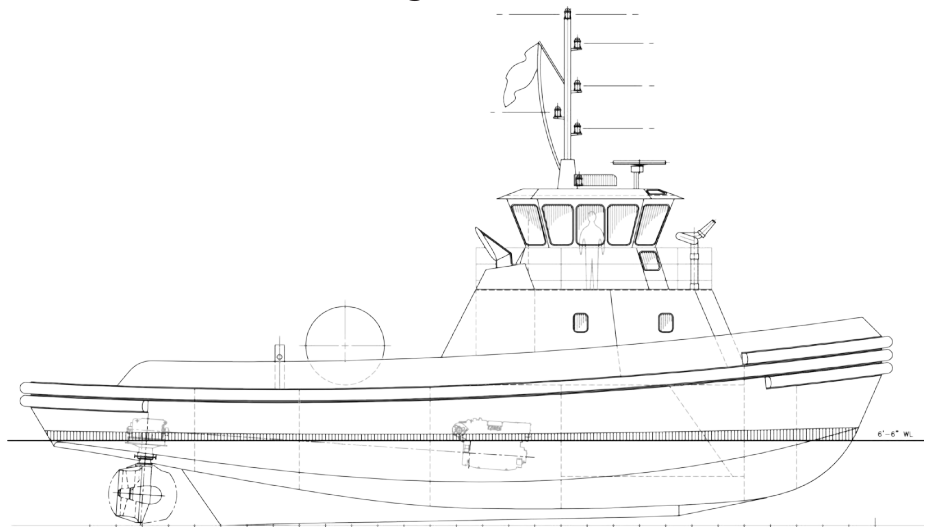
The Jensen 65 Z-Drive design is a multi-purpose vessel specializing in various offshore support services. The vessel offers general ship assist and cargo transportation, environmental response, and training capabilities. Some features include a small fire monitor, a large clear aft deck with an optional hose reel for handling absorbent booms when performing oil spill response work, and additional storage lockers and space to stow response equipment.

DIMENSIONS

Length	65'-0"
Breadth	24'-0"
Depth	10'-0"
Draft (Loaded)	7'-6"
Tonnage	<100 GT US Regulatory

SPECIFICATIONS*

Propulsion	Caterpillar C-18 700 hp (2) Thrustmaster Drive Units (2)
Horsepower	1,400 hp
Bollard Pull	36,000 lbs
Speed	10 kts Cruise, 12 kts Maximum
Auxiliary Engines	Northern Lights MP445D, 45 kW (2)
Deck Machinery	Hydraulic Deck Reel for Storage of 750' of Oil Containment Booms
Fuel Capacity	7,000 gal
Potable Water Capacity	1,730 gal
Accomodations	6 Berths
Services	Harbor and Training



*As shown. Features are customizable.

74 MULTI-PURPOSE TUG



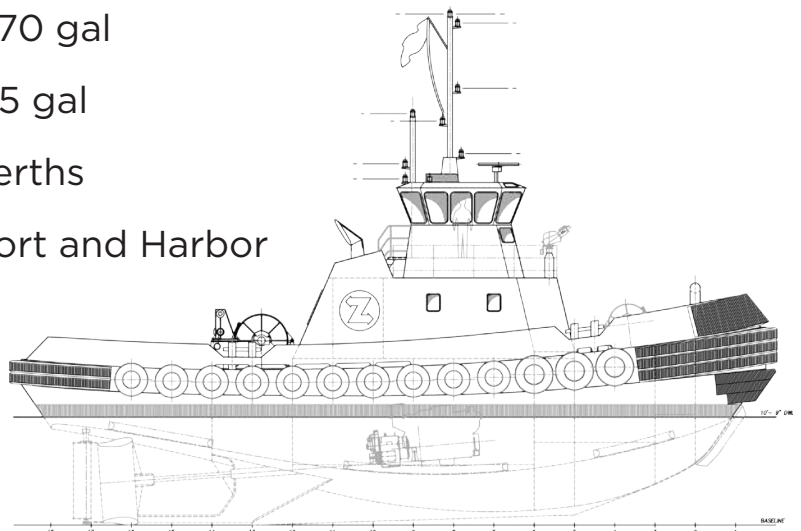
The Jensen 74 Multi-Purpose Tug design provides a maneuverable, powerful, tug to handle most jobs at the lowest operating costs. Its capabilities include ship assist, cargo transportation, coastal towing, and construction operations. Additional features of this tug include a design to ABS ice class rules with extra frames and thicker plating in the bow area to allow operation in ice, forward and aft hawser winches, a fire monitor and a hydraulic crane, and 360 degree visibility from the wheelhouse.

DIMENSIONS

Length	74'-0"
Breadth	30'-0"
Depth	13'-3"
Draft (Loaded)	11'-6"
Tonnage	<300 GT ITC, <100 GT US Regulatory

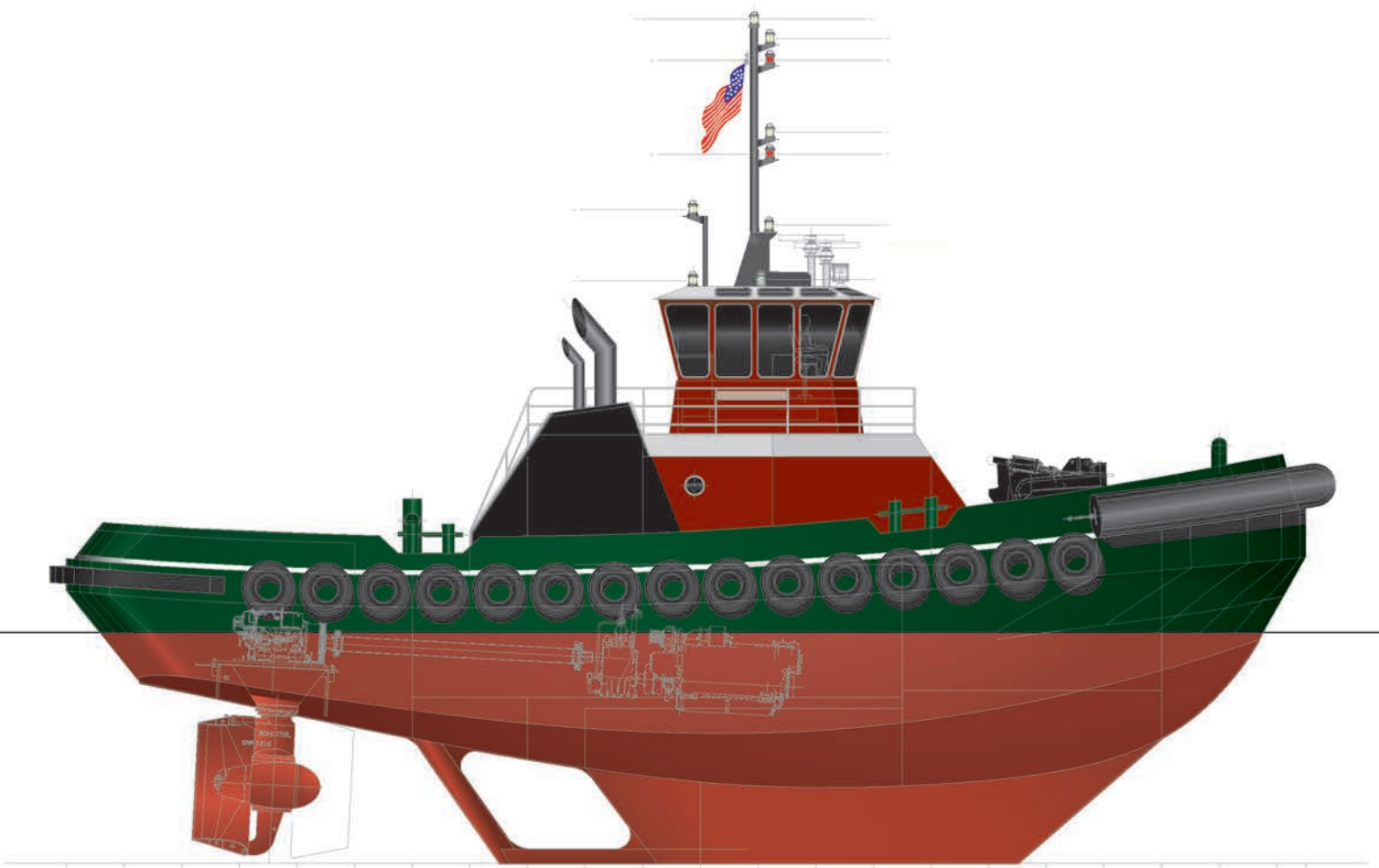
SPECIFICATIONS*

Propulsion	Cummins QSK-38 1,400 hp (2)	or	Cummins QSK-50 1,600 hp (2)
	Twin Disc MG540	or	Twin Disc MG5600
Horsepower	2,800 hp	or	3,200 hp
Bollard Pull	72,000 lbs	or	100,000 lbs
Speed	12 kts Cruise, 12 kts Maximum		
Auxiliary Engines	Cummins/Onan 65 kW MODCC (Cummins 65 kW 6CTA8.3, additional for fire-fighting option)		
Hawser Winch	Fwd Jon-Rie Series 230 and Aft Jon Rie Series 500		
Deck Machinery	ESI Marine Deck Crane and Fire-Fighting Monitor		
Fuel Capacity	26,170 gal		
Potable Water Capacity	1,855 gal		
Accomodations	6 Berths		
Services	Escort and Harbor		



*As shown. Features are customizable.

86 Z-DRIVE TUG



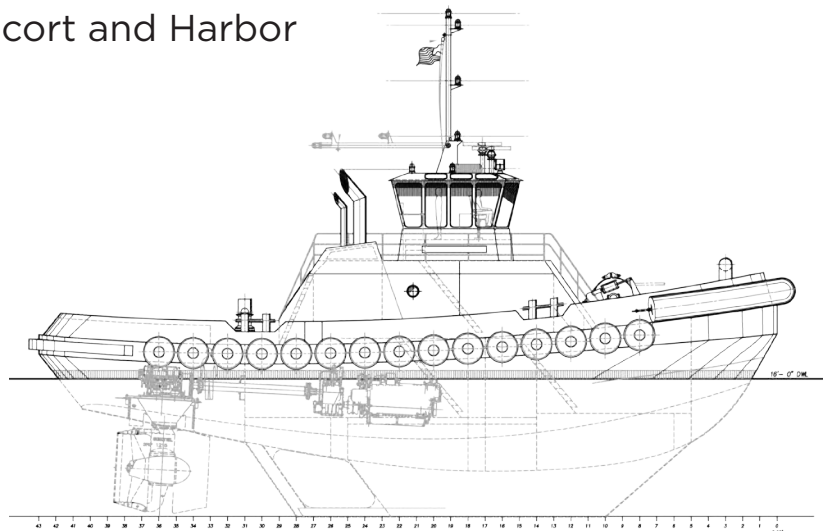
The purpose behind the Jensen 84 Z-Drive Harbor Tug design is to create a maneuverable, powerful, tug to handle most jobs at the lowest operating costs. Its capabilities include ship assist, cargo transportation, coastal towing, and construction operations. The vessel features a wide hull for optimal stability in all operating modes, a forward escort hawser winch and an H-bitt and hydraulic capstan aft for towing, and 360 degree visibility from the wheelhouse.

DIMENSIONS

Length	86'-0"
Breadth	36'-0"
Depth	15'-10"
Draft (Loaded)	16'-0"
Tonnage	<300 GT ITC, <200 GT US Regulatory

SPECIFICATIONS*

Propulsion	MTU - DD 16V400 2,680 hp (2) Schottel 1215 Z-Drive units (2)
Horsepower	5,360 hp
Bollard Pull	139,000 lbs
Speed	12 kts Cruise, 13 kts Maximum
Auxiliary Engines	John Deere 6068TFM, 99 kW each (2)
Reduction Gear	Markey DEPC-48, 50 HP Full render and recover winch
Hawser Winch	Markey CEW-60 Capstan
Fuel Capacity	31,050 gal
Potable Water Capacity	3,150 gal
Accomodations	6 Berths
Services	Escort and Harbor



*As shown. Features are customizable.

92 ASD TRACTOR TUG



***ABS CLASS ✱A1, TOWING VESSEL, ESCORT VESSEL,
FIRE-FIGHTING VESSEL CLASS 1, ✱AMS***

The Jensen 92 ASD Tractor Tug design was created with environmental protection in mind. Meeting a wide range of operational parameters, the vessel is capable of ship assist, tanker escort, and emergency firefighting duties. Additionally, the tugs feature oil tanks isolated from the hull to reduce the chances of an oil spill in the event the hull is breached, a double-drum winch forward to provide full back up for ship handling, and a capstan aft to assist in line handling.



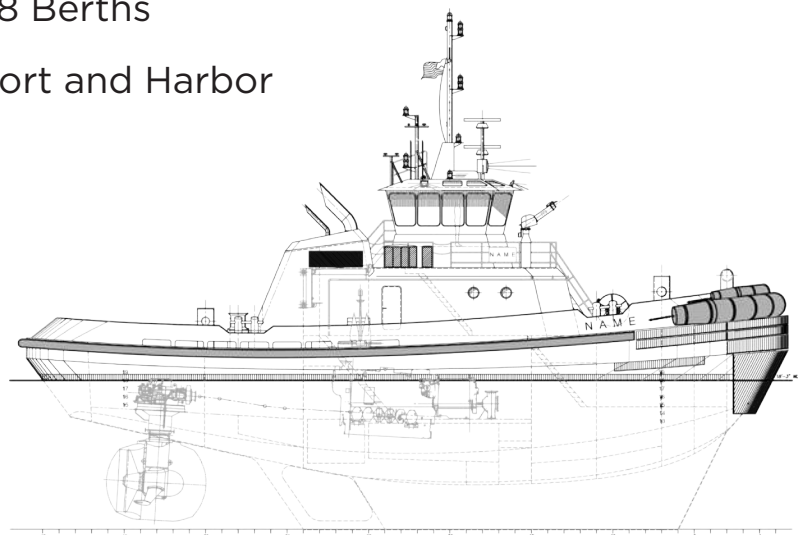
LEARN MORE
www.greatlakesgroup.com/jensen92

DIMENSIONS

Length	92'-0"
Breadth	38'-0"
Depth	16'-9"
Draft (Loaded)	18'-3"
Tonnage	<500 GT ITC, <200 GT US Regulatory

SPECIFICATIONS*

Propulsion	Caterpillar C280-6 2,320 hp (2) Rolls Royce, US 205 FP Z-Drives (2) NiAl-Bronze Prop, 7'6" Diameter
Horsepower	4,640 hp
Bollard Pull	121,000 lbs
Speed	10 kts Cruise, 12.7 kts Maximum
Auxillary Engines	Caterpillar C6.6 150 kW Gensets (2)
Fire Fighting	Caterpillar C-32 Diesel Engine 5,280 GPM Monitors (2) ABS FFV1 Class 1,500 gal Fire-Fighting Foam (AFFF) Capacity
Fuel Capacity	38,325 gal
Potable Water Capacity	2,500 gal
Accomodations	6 - 8 Berths
Services	Escort and Harbor



*As shown. Features are customizable.

94 Z-DRIVE TUG



***ABS CLASS *A1, TOWING VESSEL, ESCORT VESSEL,
FIRE-FIGHTING VESSEL CLASS 1, AMS***

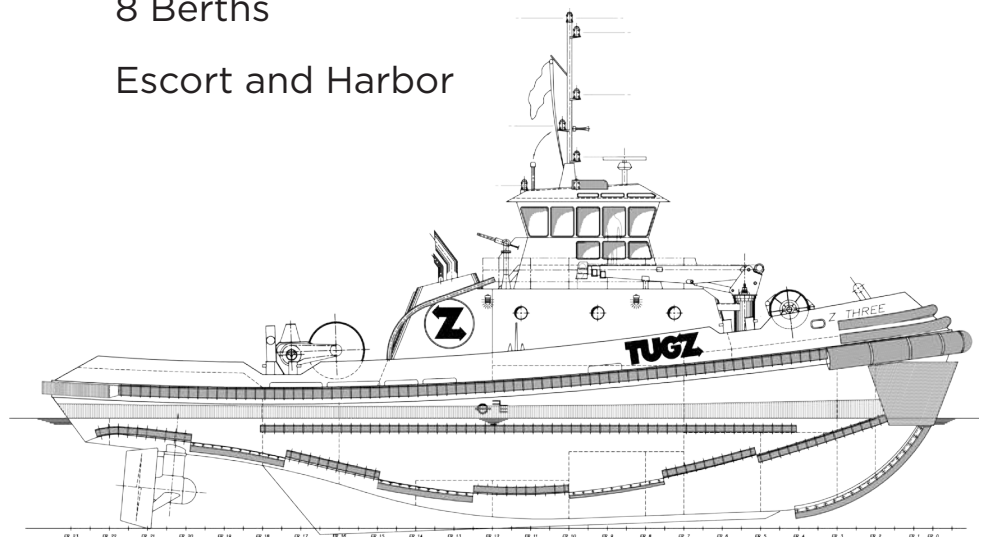
The Jensen 94 Z-Drive Tug design is a multi-purpose reverse tractor tug that accommodates an entire range of towing services, including ship handling, salvage operations, firefighting, oil response and recovery, tanker escort, and ocean and coastal towing of vessels and barges. Some of its features include a fire monitor, Ice Class classifications and 360 degree visibility from the wheelhouse.

DIMENSIONS

Length	94'-0"
Breadth	32'-0"
Depth	14'-9"
Draft (Loaded)	13'-0"
Draft (Loadline)	12'-11"
Tonnage	<500 GT ITC, <100 GT US Regulatory

SPECIFICATIONS*

Propulsion	Caterpillar 3516 2,000 hp (2) Ulstein 1650H Z-Drives (2)
Horsepower	4,000 hp
Bollard Pull	110,000 lbs
Speed	12 kts Cruise, 14 kts Maximum
Fire Fighting	Caterpillar 3406 Engine ITT/A-C Model 8100 3000 GPM Fire Pump Akron Brass Omega's 1500 GPM (2) Fire Monitor 1,572 gal Fire Fighting Foam (AFFF) Capacity
Fuel Capacity	33,632 gal
Potable Water Capacity	1,750 gal
Accomodations	8 Berths
Services	Escort and Harbor



*As shown. Features are customizable.

100 Z-DRIVE TUG



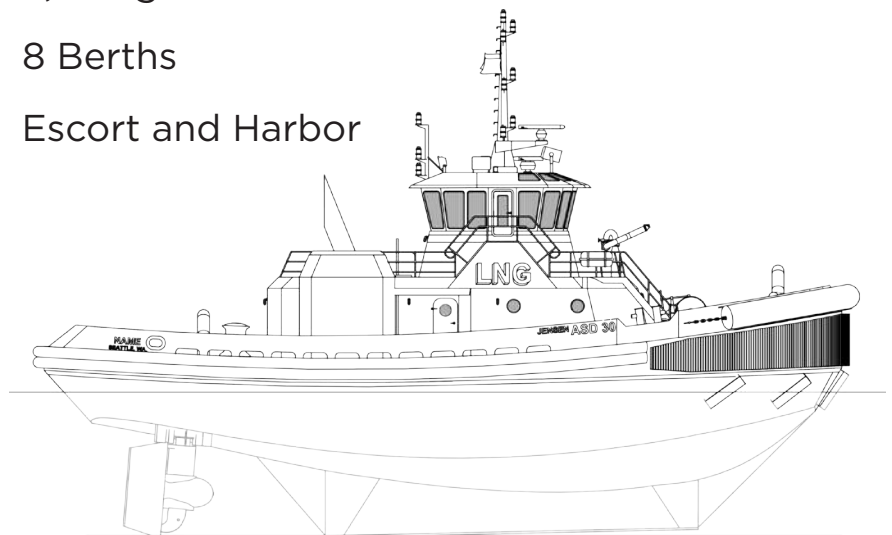
The Jensen 100 Z-Drive Tug design was developed to provide a maneuverable and powerful tug specializing in ship assist and escort work. In addition, the tug also features engines certified for EPA tier 3 operations, a wide hull for stability in all operating modes, a deep skeg forward for escort work, a state-of-the-art escort hawser winch installed forward with a large stainless steel clad staple, and 360 degree visibility from the wheelhouse.

DIMENSIONS

Length	100'-0"
Breadth	40'-0"
Depth	17'-0"
Draft (Loaded)	19'-4"
Tonnage	<500 GT ITC, <200 GT US Regulatory

SPECIFICATIONS*

Propulsion	Caterpillar 3516 C 3,400 hp (2)	or	Caterpillar C175 3,400 hp (2)
	Rolls Royce AQM US 255 Z-Drives (2)	or	Niigata ZP-41 Z-Drives (TP3 only) (2)
Horsepower	6,800 hp		
Bollard Pull	160,000 lbs		
Speed	12 kts Cruise, 14 kts Maximum		
Auxiliary Engines	Caterpillar C2.2, 27 kW, Caterpillar C9, 175 kW or Caterpillar C9, 215 kW		
Winch	Fwd Markey DEPC-52, Aft Markey TES-40		
Fuel Capacity	70,875 gal		
Potable Water Capacity	2,425 gal		
Accomodations	8 Berths		
Services	Escort and Harbor		



*As shown. Features are customizable.

100 LNG TUG



ABS *A1 GFS, TOWING ESCORT VESSEL, AMS, DPS1

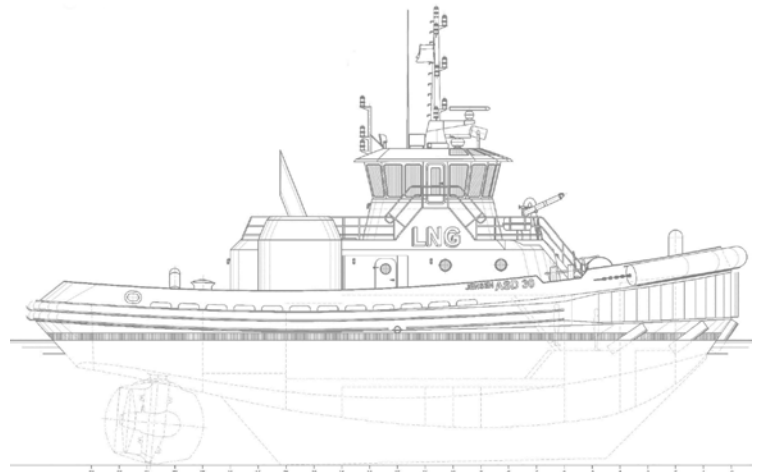
The Jensen 100 LNG Tug design was developed to provide a state-of-the-art LNG-powered tug specializing in ship assist and escort work. A double walled gas tank is situated aft of the engine room, extending up into the deck house and carries sufficient fuel aboard to allow for a weekly bunkering operation. In addition, the tug also features engines certified for EPA tier 3 operations, a wide hull for stability in all operating modes, a deep skeg forward for escort work, a state of the art escort hawser winch is installed forward with a large stainless steel clad staple, and 360 degree visibility from the wheelhouse.

DIMENSIONS

Length	100'-0"
Breadth	40'-0"
Depth	17'-0"
Draft (Loaded)	19'-0"
Tonnage	<500 GT ITC, <300 GT US Regulatory

SPECIFICATIONS*

Propulsion	Bergen C26:33L8P 2,896 HP (2)
Horsepower	5,792 hp
Bollard Pull	160,000 lbs
Speed	12 kts Cruise, 14 kts Maximum
ASD Thrusters	Rolls Royce US255 (2)
Generators	John Deere, each rated @ 125 kW (2) Diesel Oil Capacity 8,362 gal
LNG Capacity	13,208 gal
Potable Water Capacity	2,425 gal
Accomodations	8 Berths
Services	Escort and Harbor



*As shown. Features are customizable.

111 MULTI-PURPOSE TUG



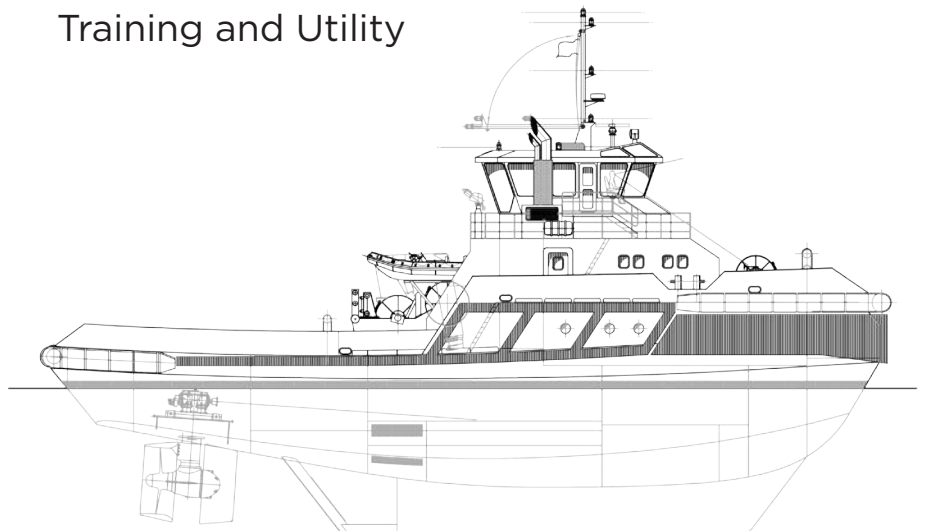
The Jensen 111 Multi-Purpose Tug design was developed to create a tug that performs several major roles: harbor ship assist, open water escort, salvage, and open water line haul. Features of the tug include a deep skeg and half foc'sle arrangement forward allowing for stability and a higher freeboard for operating in weather in the open water while keeping the bow escort winch reasonably low to the waterline, twin capstans/vertical catheads to handle lines and the anchor chain, and a RIB rescue/work boat, and 360 degree visibility from the wheelhouse.

DIMENSIONS

Length	111'-5"
Breadth	42'-6"
Depth	18'-0"
Draft (Loaded)	16'-5"
Tonnage	<750 GT ITC, <200 GT US Regulatory

SPECIFICATIONS*

Propulsion	Caterpillar 3516C 3,150 hp (2) Niigata ZP-41 Z-Drives (2)
Horsepower	6,300 hp
Bollard Pull	178,000 lbs
Speed	12 kts Cruise, 14 kts Maximum
Auxiliary Engine	Caterpillar C9, 215 kW (2)
Hawser Winch	Fwd JonRie Series 230, Aft JonRie Series 522 Double Drum
Fuel Capacity	117,000 gal
Potable Water Capacity	14,529 gal
Accomodations	11 Berths
Services	Escort, Harbor, Offshore Escort, Salvage, Training and Utility



*As shown. Features are customizable.

150 LINEHAUL TUG



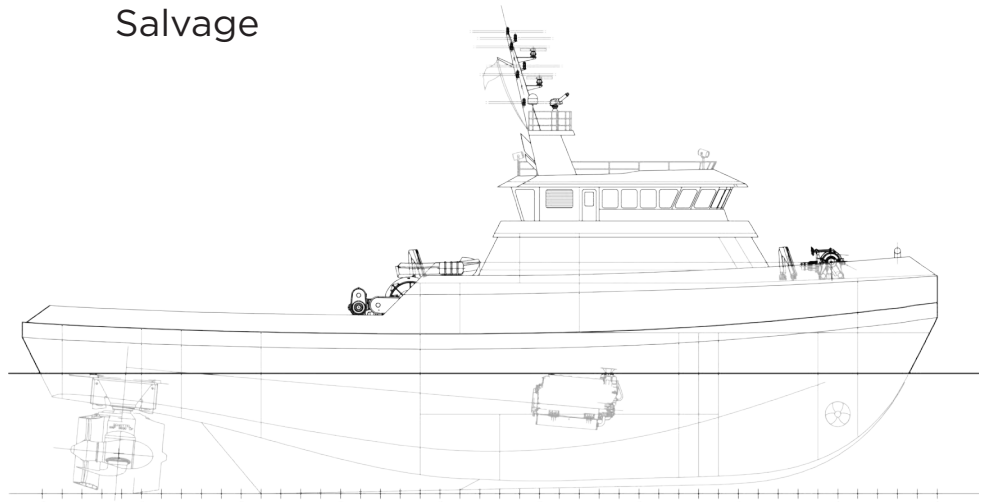
The Jensen 150 Linehaul Tug design is the next generation of state-of-the-art linehaul tugs. The tug features include a baseline Z-drive configuration, Dynamic Position options, an environmental design equipped with a double hull in way of oil tanks, and 360 degree visibility from the wheelhouse. A less obvious yet most desired feature is the special construction techniques designed right into the vessel that reduce both cost and time of construction.

DIMENSIONS

Length	150'-11"
Breadth	44'-3"
Depth	24'-3"
Draft (Loaded)	22'-4"
Tonnage	<1,600 GT ITC, <1,200 GT US Regulatory

SPECIFICATIONS*

Propulsion	3028 kW Main Engine	or	Conventional
	Tier III Azimuth Stern Drives 4,060 hp (2)	or	Twin Screw in Nozzle
Horsepower	8,120 hp	or	9,000 hp
Bollard Pull	220,000 lbs	or	260,000 lbs
Fuel Capacity	177,000 gal	or	195,000 gal
Speed	12 kts Cruise, 15 kts Maximum		
Winch	Markey TDSD-40UL, Diesel Driven Bare Drum Pull 121,220 lbs @33'/min Two (2) Drums, 3,000' of 2 1/2" Wire Each		
Potable Water Capacity	10,150 gal		
Accomodations	15 Berths		
Services	Escort, Linehaul, Offshore Escort and Salvage		



*As shown. Features are customizable.

BUILT TO LAST



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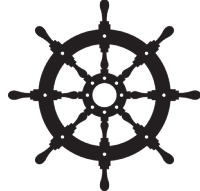
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