



MODEL 2514
TRUCKABLE WORK BOAT 25' 9" X 14' 0" X 5' 0"
ALSO AVAILABLE 15' WIDE
NO COAST GUARD LICENSE REQUIRED TO OPERATE

VESSEL SPECIFICATIONS

STEEL

DECK, SIDES, AND TRANSOM CONSTRUCTED OF 1/4" STEEL PLATE. HEAD LOG AND BOTTOM CONSTRUCTED OF 5/16" STEEL PLATE. ALL STEEL IS A36 STEEL.

HULL FRAMING

DECK AND SIDES FRAMED LONGITUDINALLY. DECK IS FRAMED WITH 3" X 3" X 1/4" ANGLE ON 24" CENTERS. SIDES ARE FRAMED WITH 3" X 3" X 1/4" ANGLE ON 20" CENTERS. BOTTOM IS TRANSVERSELY FRAMED WITH 3" X 4" X 1/4" ANGLE SET ON 18" CENTERS.

ENGINE ROOM HOUSE

HOUSE IS 10' 0" LONG X 8' 6" WIDE X 4' 0" TALL OF 1/4" STEEL PLATE FRAMED WITH 3/8" X 2" FLAT BAR. OVERHEAD HATCH OF 1/4" STEEL PLATE FRAMED WITH 3" X 3" X 1/4" ANGLE. STAIRWAY ENTRANCE IN AFT OF HOUSE WITH OVERHEAD SELF LOCKING HATCH, 7' 6" HEAD ROOM. LOUVERED VENT FORWARD. EXHUAUST PIPES FOR MAIN ENGINES EXTEND 10' ABOVE ENGINE ROOM HOUSE WITH GUARDS.

PILOT HOUSE

PILOT HOUSE IS 5' 0" LONG BY 5' 6" WIDE BY 7' 0" TALL AND IS CONSTRUCTED FROM 3/16" PLATE. PILOT HOUSE SITS ON 3' FALSE FLOOR INCREASING EYE LEVEL TO 15' FROM INSIDE PILOT HOUSE. FALSE FLOOR CREATES STORAGE AREA ACCESSIBLE BY DOOR LOCATED EXTERIOR AFT SIDE OF FALSE FLOOR, TO BE USED AS STORAGE AREA FOR ELECTRONICS AND CUSTOMER EQUIPMENT. PILOT HOUSE IS FRAMED WITH 3/8" X 2" FLAT BAR THROUGHOUT. FRONT WINDOW IS 5' X 3', HORIZONTAL SLIDE. SIDE WINDOWS ARE 4' X 3' HORIZONTAL SLIDE AND THE BACK WINDOW IS 2' X 3' VERTICAL SLIDE. ALL WINDOWS ARE ALUMINUM FRAMED WITH SAFETY GLASS. STEEL ENTRY DOOR 2' X 6', LOCATED REAR OF PILOT HOUSE.

POWER TRAIN

MODEL 2514 POWER TRAIN PACKAGE 600 H.P. JOHN DEERE

TWO NEW TIER III COMPLIANT JOHN DEERE MODEL 6068AFM85 ENGINES, EACH DEVELOPING 300 HORSEPOWER AT 2500 RPMS, FOR A TOTAL OF 600 HORSEPOWER. ENGINES HAVE A TWO YEAR OR 2000 HOUR MANUFACTURERS WARRANTY. TWO NEW ZF MODEL 305-3 TRANSMISSIONS WITH 2.917:1 REDUCTION, ZF FACTORY WARRANTY. TWO AQUAMET 17 PROPELLER SHAFTS MEASURING 7' 0" BY 2 1/2" DIAMETER FITTED WITH TWO 34" X 20" FOUR BLADE BRONZE "WORK HORSE STYLE" PROPELLERS.

ALL ENGINE PACKAGES OUTLINED ARE INTERNATIONAL MARITIME ORGANIZATION (IMO) COMPLIANT. THE ENGINES ARE COMPLIANT WITH IMO EMISSION STANDARDS FOR THE YEAR 2000 AS DEFINED BY REGULATION 13 OF ANNEX VI TO INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS AS MODIFIED BY PROTOCOL OF 1978.

JOHN DEERE ENGINE HORSEPOWER RATINGS ARE BASED ON AN M3 CLASSIFICATION

ENGINE INSTRUMENTATION

ALL ENGINES ARE EQUIPPED WITH FULL INSTRUMENTATION. INCLUDING, TACHOMETERS, WATER TEMPERATURE GAUGE, OIL PRESSURE GAUGE, HOUR METER, AND VOLTAGE METER. ALL ENGINES EQUIPPED WITH ENGINE STARTER SWITCHES IN PILOT HOUSE. ALARMS FOR LOW OIL PRESSURE, HIGH WATER TEMPERATURE, LOW VOLTAGE, AND WATER IN FUEL, ARE INCLUDED. JOHN DEERE ENGINES ARE EQUIPPED WITH JOHN DEERE FUEL / WATER SEPARATOR FILTERS.

ENGINE COOLING

JOHN DEERE ENGINES HAVE WATER CIRCULATED THROUGH CLOSED SYSTEM CONSTRUCTED OF 8" X 8.5 POUNDS PER FOOT CHANNEL WELDED TO BOTTOM OF HULL.

ELECTRICAL SYSTEM

ELECTRICAL POWER SUPPLY FOR VESSEL FROM TWO HEAVY DUTY 12 VOLT 8-D MARINE BATTERIES IN U.S.C.G. APPROVED BATTERY CASES. SIX GANG ELECTRICAL FUSE PANEL MOUNTED IN PILOT HOUSE SUPPLYING SWITCHES FOR ELECTRICALLY POWERED ITEMS. ELECTRICAL ITEMS INCLUDE ONE 16" TRUMPET HORN, ONE GOLIGHT 400,000 CANDLE POWER SPOTLIGHT WITH DASH MOUNTED CONTROL, WHITE AND AMBER LIGHTS MOUNTED ON TOP OF PILOT HOUSE AND SIDE MOUNTED RED AND GREEN RUNNING LIGHTS, AS REQUIRED BY

COAST GUARD. OVERHEAD LIGHT IN PILOT HOUSE. ENGINE ROOM HAS TWO 1100 GPH BILGE PUMPS POWERED BY ELECTRICAL SYSTEM, OPERATED BY AUTOMATIC FLOAT SWITCH.

FUEL CAPACITY

PRESSURE TESTED FUEL TANK HOLDING 400 GALLONS IS MOUNTED IN BOW WITH SINGLE 1 ½" VENT, WITH USCG APPROVED INVERTED CHECK VALVE, AND 2" FILLER WITH CAP. CLEAN OUT 18" DIAMETER HATCH. COAST GUARD REQUIRED EMERGENCY FUEL SHUT OFF LOCATED ON EXTERIOR FRONT OF ENGINE ROOM HOUSE WITH SIGN.

HYDRAULIC STEERING SYSTEM

EACH ENGINE EQUIPPED WITH 5 GPM GEAR DRIVEN HYDRAULIC PUMP MOUNTED TO ENGINE. HYDRAULIC TANK AND SELECTOR VALVE MOUNTED IN ENGINE ROOM WITH 18" HYDRAULIC RAM DRIVING THE RUDDERS. MAIN STEERING ELECTRIC OVER HYDRAULIC STEERING SYSTEM WITH HYDRAULICALLY DRIVEN PUMP AND ELECTRIC JOG STICK MOUNTED TO DASH IN PILOT HOUSE

RUDDERS

TWO MAIN STEERING RUDDERS OF 5/16" STEEL PLATE WITH 3/8" X 2" FLAT BAR BRACING AND 2 1/4" COLD ROLL RUDDER SHAFTS [FLANKING RUDDERS AVAILABLE SEE OPTION NO. 1.]

ENGINE CONTROLS

TWIN SINGLE LEVER CONTROLS WITH 33 C CABLES MOUNTED IN PILOT HOUSE.

DECK HARDWARE

VESSEL IS EQUIPPED WITH FOUR QUARTER BITTS, AND ONE BOW BITT WELDED TO DECK WITH 5/16" STEEL PLATE DOUBLERS. ONE TOW BIT CONSTRUCTED OF 6" PIPE FITTED THROUGH DECK AND WELDED. PIPE EXTENDS TO INTERIOR BOTTOM OF HULL AND IS WELDED. VESSEL IS EQUIPPED WITH TWO NEW HAND OPERATED 20 TON WINTECH INDUSTRIAL WINCHES, WITH HAND WHEELS. WINCHES ARE BOLTED TO WELDED WINCH MOUNTS LOCATED ON PORT AND STARBOARD BOW. CENTER OF PUSH KNEES ARE SET 62" OFF VESSEL CENTERLINE. PUSH KNEES ARE 6' TALL OVERALL AND EXTEND 54" ABOVE DECK. PUSH KNEES ARE CONSTRUCTED OF 5/16" STEEL PLATE WELDED TO BOW. PUSH KNEES ARE FACED WITH 10" X 36" X 3" RUBBER PUSH KNEE PADS. (EXTENDED PUSH KNEES AVAILABLE, SEE OPTION 12). VESSEL IS EQUIPPED WITH FOUR PERMANENT LIFTING EYE PADS. ONE EYE MOUNTED IN EACH QUARTER OF

VESSEL. RUB RAILS OF 4" X 5.4 POUND PER FOOT CHANNEL WELDED CONTINUOUS DOWN SIDES OF HULL 4" BELOW DECK LINE. VESSEL EQUIPPED WITH BULL RAILS CONSTRUCTED OF 1/4" STEEL PLATE EXTENDING 12" ABOVE DECK LINE, CONTINUOUS AROUND VESSEL. HAND RAILS OF 3/4" GALVANIZED PIPE ARE ATTACHED TO ENGINE ROOM HOUSE.

STEEL PROTECTION

FROM WATER LINE UP THE EXTERIOR OF HULL, DECK AND LOWER HOUSE SAND BLASTED AND SPRAYED WITH ONE COAT SHERWIN WILLIAMS FAST CLAD ZINC PRIMER AND ONE COAT OF SHERWIN WILLIAMS DURA PLATE 235 GRAY. INTERIOR OF HULL AND LOWER HOUSE SAND SWEEPED AND SPRAYED WITH ONE COAT OF SHERWIN WILLIAMS DURA PLATE 235 GRAY. HULL FROM WATERLINE DOWN SAND BLASTED AND SPRAYED WITH TWO COATS SHERWIN WILLIAMS DURA PLATE 235 GRAY. PILOT HOUSE INTERIOR AND EXTERIOR SAND BLASTED AND SPRAYED WITH TWO COATS OF SHERWIN WILLIAMS MACROPOXY 646 WHITE. CAPS OF BITS & BULWARKS, FUEL FILL & VENT, AND HAND RAILS WILL BE PAINTED SAFETY RED. MAIN DECK WILL HAVE NON-SKID SURFACE.

ADDITIONAL CONSTRUCTION INFORMATION

WINDOWS ARE INSTALLED WITH STAINLESS STEEL BOLTS AND NYLON INSERT LOCK NUTS. STERN TUBES ARE 3 1/8" X 4 5/8" TUBING AND STERN BEARINGS ARE 2 1/2" X 3 1/8". HULL PENETRATION POINT WELDED CONTINUOUS WITH DOUBLERS OF 5/16" STEEL PLATE. STRUTS CONSTRUCTED OF 3/4" X 6" FLAT BAR. STRUTS EXTEND FROM STERN TUBE TO HULL WITH 5/16" STEEL PLATE DOUBLERS WELDED CONTINUOUS. PROPELLER AND RUDDER PROTECTION INCLUDE STEEL SHOES CONSTRUCTED IN A "T" STYLE OF 3/4" X 6" FLAT BAR WITH PERPENDICULAR 1/2" X 4" FLAT BAR. SHOES EXTEND FROM POINT FORWARD HULL PENETRATION POINT OF STERN TUBES TO RUDDER SHAFTS. STUFFING BOX IS TWO BOLT BRASS, MOUNTED ON FORWARD END OF STERN TUBES. RUDDER SHAFTS ARE 2 1/4" DIAMETER. RUDDER TUBES ARE 2 1/4" X 3 1/2" TUBING. RUDDER TUBES ARE WELDED THROUGH DECK AND BOTTOM OF HULL WITH 5/16" STEEL PLATE DOUBLERS. FRONT WINDOW OF PILOT HOUSE SLANTED FORWARD TO REDUCE GLARE. RUDDER RACK IS 1" GALVANIZED SERRATED GRATING.

APPROXIMATE WEIGHT OF VESSEL 40,000 POUNDS

**EXTENDED WARRANTY
EXTENDED MANUFACTURERS WARRANTY AVAILABLE ON ALL ENGINES.
FULL DETAILS UPON REQUEST.**

AVAILABLE OPTIONS

OPTION NO. 1

FLANKING RUDDERS CONSTRUCTED OF 5/16" STEEL PLATE WITH 3/8" X 2" FLAT BAR BRACING. FLANKING RUDDER SHAFTS ON 350 HP MODEL ARE 2 1/4" DIAMETER COLD ROLL. SINGLE RAM CONTROLLING ALL FOUR RUDDERS WITH KOBELT RUDDER ANGLE INDICATOR

OPTION NO. 2

EXTENDED HULL DEPTH TO 5' 6"

OPTION NO. 3

ZINC ANODE PADS 12 POUND PADS WELDED TO HULL

OPTION NO. 4

STUMP JUMPERS FOR PROPELLER PROTECTION CONSTRUCTED OF 4" DIAMETER SCHEDULE 80 PIPE.

OPTION NO. 5

FULL BOTTOM ENGINE/STORAGE ROOM HOUSE. BOTTOM HOUSE IS 12' 0" LONG BY 8' 0" WIDE BY 7' 0" TALL. THIS HOUSE IS EQUIPPED WITH TWO 2' X 6' STEEL DOORS. FRONT ENTRANCE DOOR INTO 5' 0" X 8' 0" STORAGE ROOM WITH TWO 20" X 30" FIXED SAFETY GLASS WINDOW, ONE ON PORT AND ONE ON STARBOARD SIDE. STEEL BULK HEAD WALL SEPARATING ENGINE ROOM FROM FRONT ROOM. REAR OF EXTENDED BOTTOM HOUSE HAS STAIRWAY ACCESS TO ENGINE ROOM AREA WITH 2' X 6' STEEL DOOR AND HAS TWO 20" X 30" FIXED SAFETY GLASS WINDOW, ONE ON PORT AND ONE ON STARBOARD SIDE.. HAND RAILS ARE 3/4" PIPE EXTENDING 36" FROM ROOF OF FULL BOTTOM ENGINE ROOM HOUSE. FALSE FLOOR OF PILOT HOUSE IS OMITTED WITH THIS CONFIGURATION.
ANY OUTFITTING OF FORWARD ROOM, ADDITIONAL CUSTOMER COST.

OPTION NO. 6

KOBELT MAIN RUDDER ANGLE INDICATORS

OPTION NO. 7

15' HULL WIDTH INSTEAD OF THE 14' WIDTH OUTLINED. DECK FRAMING WOULD CHANGE TO 22" CENTERS. BOTTOM HOUSE IS 9' WIDE.

OPTION NO. 8

BULKHEADS ONE FORWARD COLLISION BULKHEAD AND ONE AFT BULKHEAD CONSTRUCTED OF 1/4" STEEL PLATE LOCATED 6' 0" FROM BOW, AND 7' 6" FROM STERN LOG, WITH ONE 18" DIAMETER WATER TIGHT FLUSH MOUNT MAN HOLE COVER FOR ACCESS TO EACH VOID AREA.

OPTION NO.9

FLOOD LIGHT LED FLOOD LIGHT WITH ON OFF SWITCH MOUNTED ON DASH

OPTION NO.10

NAME ON VESSEL ON PORT, STARBOARD AND STERN. HAILING PORT ON STERN. ALL IN 6" VINYL LETTERS.

OPTION NO. 11

EXTENDED PUSH KNEES ARE 36" TALLER AND CAN BE REMOVED FOR SHIPPING. INCLUDES PAD, PIPE STEPS, HAND RAIL, AND BOLT TOGETHER FLANGE.

OPTION NO. 12

SMOKE STACKS WITH MODEL M-31 RESIDENTIAL MUFFLERS BY MAXIM SILENCERS.

OPTION NO. 13

CUSTOM PAINT COLORS AND PAINT SCHEMES AVAILABLE..

OPTION NO. 14

THIRTY 18" TIRES WITH HANGERS AND CHAINS INSTALLED AROUND PORT, STARBOARD AND STERN

OPTION NO. 15

REMOVABLE REUSABLE INSULATION BLANKETS FOR MAIN ENGINE EXHAUST

OPTION NO. 16

GENERATOR PACKAGE

OPTION NO. 17

ANTI-FOULING PAINT, SHERWIN WILLIAMS BRAND FROM THE WATER LINE DOWN

OPTION NO. 18

INCREASED THRUST/PUSH PACKAGE UTILIZED WHEN WORKING IN CURRENT OR PUSHING LARGER BARGES. PACKAGE INCLUDES 5'6" HULL DEPTH. 36" X 28", 4 BLADE BRONZE WORK HORSE STYLE PROPELLERS WITH 2 ½" STB. GEAR WOULD BE ZF MODEL W 320 WITH 4.048:1 TRANSMISSIONS, FORWARD AND AFT BULKHEADS OF 1/4" STEEL PLATE, DECK AND SIDES OF 5 /16" STEEL PLATE, BOTTOM OF 3/8" STEEL PLATE.

ALL REQUIRED SAFETY EQUIPMENT INCLUDING LIFE RINGS, LIFE JACKETS, AND FIRE SUPPRESSION EQUIPMENT IS SPECIFICALLY EXCLUDED FROM THESE SPECIFICATIONS AND IS THE RESPONSIBILITY OF BUYER

SPECIFICATIONS AND PRICES SUBJECT TO CHANGE WITHOUT NOTICE DUE TO DESIGN CHANGES AND PRODUCT AVAILABILITY.

ALL PRICES QUOTED ARE F. O. B. OUR YARD OF CONSTRUCTION VESSELS ARE CONSTRUCTED IN THE ORDER THAT CONTRACTS ARE RECEIVED BY INLAND BOAT WORKS