



MODEL 2520

25' 9" X 20' 0" X 6' 4"

NO COAST GUARD LICENSE REQUIRED TO OPERATE

VESSEL SPECIFICATIONS

STEEL

DECK CONSTRUCTED OF 5/16" STEEL PLATE. SIDES, BOTTOM, HEAD LOG AND TRANSOM CONSTRUCTED OF 3/8" STEEL PLATE. ALL STEEL IS A-36 STEEL.

BULKHEADS

ONE FORWARD AND ONE AFT COLLISION BULKHEAD CONSTRUCTED OF 1/4" STEEL PLATE LOCATED 7' 6" FROM BOW AND 7' 6" FROM STERN, WITH ONE 18" DIAMETER FLUSH MOUNT HATCH, PER TANK, FOR VOID ACCESS. TWO LONGITUDINAL BULKHEADS, ONE PORT AND ONE STARBOARD IN ENGINE ROOM TO CREATE TWO WING FUEL TANKS.

HULL FRAMING

DECK AND SIDES FRAMED LONGITUDINALLY. DECK AND SIDES FRAMED WITH 3" X 4" X 5/16" ANGLE ON 24" CENTERS. BOTTOM IS TRANSVERSELY FRAMED WITH 3" X 4" X 5/16" AND 3" X 4" X 3/8" OVER PROPS. BOTTOM ANGLES SET ON 18" CENTERS.

ENGINE ROOM HOUSE

HOUSE IS 9' 0" LONG X 13' 6" WIDE X 4' 0" TALL OF 1/4" STEEL PLATE. OVERHEAD ENGINE REMOVAL HATCHES OF 5/16" STEEL PLATE FRAMED WITH 3" X 3" X 1/4" ANGLE. STAIRWAY ENTRANCE IN AFT OF HOUSE WITH OVERHEAD SELF LOCKING HATCH, 9' HEAD ROOM. TWO SMOKE STACKS, ONE OVER EACH ENGINE WITH REMOVABLE ENGINE ACCESS HATCHES. HAND RAILS 1" DIAMETER ON PORT AND STARBOARD SIDES.

PILOT HOUSE

PILOT HOUSE IS 5' 0" LONG BY 5' 0" WIDE BY 7' 0" TALL AND CONSTRUCTED OF 1/4" STEEL PLATE. PILOT HOUSE SITS ON 4 SQUARE TUBING LEGS 6" X 20' TALL CREATING EYE LEVEL OF 28' FROM INSIDE PILOT HOUSE. PILOT HOUSE FRAMED WITH 3/8" X 2" FLAT BAR THROUGHOUT. FRONT WINDOW IS 5' X 3', MARINE GRADE ALUMINUM, HORIZONTAL SLIDE, WITH SAFETY GLASS. SIDE WINDOWS ARE 4' X 3' AND THE BACK WINDOW IS 2' X 3' FIXED SAFETY GLASS. STEEL ENTRY DOOR 2' X 6' LOCATED AFT OF PILOT HOUSE, WITH 12" X 24" SEALED WINDOW. COLEMAN AIR CONDITIONER (13500 BTU) WITH HEAT STRIP OVER HEAD MOUNT IN PILOT HOUSE.

POWER TRAIN

JOHN DEERE

VESSEL HAS TWO NEW TIER III JOHN DEERE MODEL 6090 AFM ENGINES, EACH DEVELOPING 375 HORSEPOWER AT 2300 RPMS, FOR A TOTAL OF 750 HORSEPOWER. ENGINES HAVE A TWO YEAR OR 2000 HOUR MANUFACTURERS WARRANTY. [EXTENDED WARRANTY IS AVAILABLE FROM MANUFACTURER.] TWO NEW ZF W325 TRANSMISSIONS WITH 4.409:1 REDUCTION, ZF FACTORY WARRANTY. TWO STAINLESS STEEL PROPELLER SHAFTS MEASURING 7' 6" BY 3" DIAMETER FITTED WITH TWO 42" X 32" FOUR BLADE BRONZE "WORK HORSE STYLE" PROPELLERS.

OR

CUMMINS

VESSEL HAS TWO NEW TIER III CUMMINS MODEL QSL9 ENGINES, EACH DEVELOPING 330 HORSEPOWER AT 1800 RPMS, FOR A TOTAL OF 660 HORSEPOWER. ENGINES HAVE A ONE YEAR UNLIMITED HOURS MANUFACTURERS WARRANTY. [EXTENDED WARRANTY IS AVAILABLE FROM MANUFACTURER.] TWO NEW ZF W325 TRANSMISSIONS WITH 3.958:1 REDUCTION, ZF FACTORY WARRANTY. TWO STAINLESS STEEL PROPELLER SHAFTS MEASURING 7' 6" BY 3" DIAMETER FITTED WITH TWO 42" X 36" 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

CUMMINS ENGINE HORSEPOWER RATINGS ARE BASED ON A HEAVY DUTY 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. ALL ENGINES ARE EQUIPPED WITH JOHN DEERE FUEL / WATER SEPARATOR FILTERS.

ENGINE COOLING

JOHN DEERE MAIN ENGINES AND GENERATOR COOLED BY WATER CIRCULATED THROUGH CLOSED SYSTEM CONSTRUCTED OF 8" X 8.5 POUNDS PER FOOT CHANNEL WELDED TO BOTTOM OF HULL. CUMMINS ENGINES HAVE A RECESSED GRID COOLERS RECESSED IN PORT AND STARBOARD SIDES OF HULL WITH GALVANIZED GUARDS

ELECTRICAL SYSTEM

ELECTRICAL POWER SUPPLY FOR VESSEL FROM KUBOTA POWERED 7 KW 110/240 VOLT SINGLE-PHASE GENERATOR AND TWO HEAVY DUTY 12 VOLT 8-D MARINE BATTERIES IN U.S.C.G. APPROVED BATTERY CASES. 110 VOLT BREAKER PANEL MOUNTED IN PILOT HOUSE SUPPLYING SWITCHES FOR ELECTRICALLY POWERED ITEMS. ELECTRICAL ITEMS INCLUDE ONE 16" TRUMPET HORN, TWO 110 VOLT 500 WATT QUARTZ FLOOD LIGHTS (ONE FORWARD AND ONE AFT), AND ONE 110 VOLT PERKO LEVER CONTROLLED 600 WATT ELECTRICAL SPOTLIGHT. 110 VOLT WHITE AND AMBER LIGHTS MOUNTED ON TOP OF PILOT HOUSE AND SIDE MOUNTED 110 VOLT RED AND GREEN RUNNING LIGHTS, AS REQUIRED BY COAST GUARD. 110 VOLT FLORESCENT OVERHEAD LIGHT IN PILOT HOUSE. ENGINE ROOM HAS ONE 1 ½" 110 VOLT BILGE PUMP POWERED BY ELECTRICAL SYSTEM, OPERATED BY AUTOMATIC FLOAT SWITCH. 12" HIGH SPEED BLOWER IN ENGINE ROOM. ENGINE ROOM HAS 4' INDUSTRIAL STYLE FLORESCENT LIGHT WITH COVER.

FUEL CAPACITY

PRESSURE TESTED WING FUEL TANKS, ONE PORT AND ONE STARBOARD. TANKS HOLD 1100 GALLONS EACH FOR A TOTAL OF 2200 GALLONS. EACH TANK HAS SINGLE VENT AND 2" FILLER WITH CAP. EACH TANK HAS ONE 18" DIAMETER, WATER TIGHT FUEL TANK CLEAN OUT 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. OPTIONAL ELECTRIC OVER HYDRAULIC STEERING SEE OPTION NUMBER 10.

RUDDERS

TWO MAIN STEERING RUDDERS OF 3/8" STEEL PLATE WITH 3/8" X 3" FLAT BAR BRACING AND 3 3/8" COLD ROLL RUDDER SHAFTS, WITH SINGLE HYDRAULIC RAM. FLANKING RUDDERS AND STEERING RUDDERS HAVE KOBELT RUDDER ANGLE INDICATORS. FLANKING RUDDERS CONSTRUCTED OF 3/8" STEEL PLATE WITH 3/8" X 3" FLAT BAR BRACING. FLANKING RUDDER SHAFTS ARE OF 3 3/8" DIAMETER COLD ROLL. SINGLE RAM CONTROLLING ALL FOUR FLANKING RUDDERS.

ENGINE CONTROLS

TWO TWIN SINGLE LEVER CONTROLS WITH 33 C CABLES MOUNTED IN PILOT HOUSE. OPTIONAL ELECTRIC CONTROLS SEE OPTION NUMBER 11.

DECK HARDWARE

VESSEL IS EQUIPPED WITH FOUR QUARTER BITS, TWO 30" KEVELS WELDED TO DECK WITH 3/8" STEEL PLATE DOUBLERS, ONE BOW AND ONE STERN. VESSEL IS

EQUIPPED WITH TWO NEW HAND OPERATED 10 TON WINTECH WINCHES HAVE HAND WHEELS. WINCHES ARE WELDED TO 3/8" DOUBLERS LOCATED ON PORT AND STARBOARD BOW. PUSH KNEES ARE 14' TALL AND 2' WIDE. PUSH KNEES ARE CONSTRUCTED OF 3/8" STEEL PLATE WELDED TO BOW. PUSH KNEES ARE FACED WITH 10" X 36" X 3" RUBBER PUSH KNEE PADS. VESSEL IS EQUIPPED WITH FOUR PERMANENT LIFTING EYE PADS. ONE EYE MOUNTED IN EACH QUARTER OF VESSEL. RUB RAILS OF 6" X 8.2 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.

BOW WORK DECK

RAISED WORK DECK ON BOW CONSTRUCTED OF ANGLE WITH 1" FIBERGLASS NON-SKID GRATING.

STEEL PROTECTION

FROM WATER LINE UP THE EXTERIOR OF HULL, DECK AND LOWER HOUSE SAND BLASTED AND SPRAYED WITH ONE COAT DEVOE 302 H 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 4" X 5 1/2" TUBING, AND RUBBER STERN BEARINGS ARE 3" X 4". HULL PENETRATION POINT WELDED CONTINUOUS WITH DOUBLERS OF 3/8" STEEL PLATE. STRUTS CONSTRUCTED OF 1" X 7" FLAT BAR EXTENDING FROM STERN TUBE TO HULL, WITH 3/8" STEEL PLATE DOUBLERS WELDED CONTINUOUS. PROPELLER AND RUDDER PROTECTION INCLUDE STEEL SHOES CONSTRUCTED IN A "T" STYLE OF 1" X 7" FLAT BAR WITH PERPENDICULAR 3/4" X 4" FLAT BAR. SHOES EXTEND FROM POINT FORWARD OF HULL PENETRATION POINT OF STERN TUBES TO RUDDER SHAFTS. STUFFING BOX IS TWO BOLT BRASS, MOUNTED ON FORWARD END OF STERN TUBES. RUDDER TUBES OF 4" SCHEDULE 160 WELDED THROUGH DECK AND BOTTOM OF HULL WITH 3/8" STEEL PLATE DOUBLERS. FRONT WINDOW OF PILOT HOUSE SLANTED FORWARD TO REDUCE GLARE. RUDDER RACK IS 1" GALVANIZED SERRATED GRATING.

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

OPTIONS AVAILABLE

OPTION NO. 1

ZINC ANODE PADS 12 POUND PADS WELDED TO HULL

OPTION NO. 2

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

OPTION NO. 3

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

OPTION NO. 4

VESSEL CAN BE CONSTRUCTED WITH TWO 10' WIDE HULLS REMOVABLE PILOT HOUSE, WORK DECK AND UPPER PUSH KNEES, FOR OVER THE ROAD TRANSPORTATION.

OPTION NO. 5

RESIDENTIAL MUFFLERS FOR QUIET OPERATION. MUFFLERS ARE MODEL M-31 FROM MAXIM SILENCERS.

OPTION NO. 6

CUSTOM PAINT COLORS AND PAINT SCHEMES AVAILABLE.

OPTION NO. 7

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

OPTION NO. 8

CUT RUBBER BUMPER PADS FOR PERIMETER OF VESSEL

OPTION NO. 9

MAIN STEERING ELECTRIC OVER HYDRAULIC STEERING SYSTEM WITH HYDRAULICALLY DRIVEN PUMP AND ELECTRIC JOG STICK MOUNTED TO DASH IN PILOT HOUSE. MAIN AND FLANKING RUDDERS

OPTION NO. 10

12 VOLT ELECTRONIC ENGINE CONTROLS FOR THROTTLE AND SHIFT

OPTION NO. 11

REMOVABLE REUSABLE INSULATION BLANKETS FOR MAIN ENGINE AND
GENERATOR EXHAUST

OPTION NO. 12

TRIPLE ENGINE AVAILABLE. REQUIRES AT LEAST 22' WIDTH HULL.

**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***