

MODEL 644B-42

SPECIFICATIONS

ENGINE:

- JOHN DEERE — 4039D
80 HP @ 2500 RPM
- JOHN DEERE — 4039DT
110 HP @ 2500 RPM
- CUMMINS — 4B3.9
75 HP @ 2500 RPM
- CUMMINS — 4BT3.9
102 HP @ 2500 RPM

TRANSMISSION:

- 3-SPEED SEMI-AUTOMATIC, FWD. & REV.
- COLUMN-MOUNTED SHIFT LEVER
- NEUTRAL START SWITCH
- H.D. TRANSMISSION OIL COOLER
- DECLUTCH SWITCH ALLOWS BRAKE PEDAL TO DISENGAGE TRANSMISSION WHEN BRAKE IS APPLIED.

AXLES:

- OUTBOARD PLANETARY WITH DOUBLE REDUCTION
- 4-WHEEL DRIVE
- TORQUE PROPORTIONING FRONT DIFFERENTIAL
- STEERING — 3 MODES: 4 WHEEL ROUND, 2 WHEEL, AND CRAB
- HYDRAULIC FULL POWER STEERING WITH 2 DOUBLE-ACTING STEER CYLINDERS PER AXLE

BRAKES:

- 4-WHEEL, FULLY ENCLOSED, WET DISC
- HYDRAULIC ACCUMULATOR STORED ENERGY BRAKING FOR DEAD ENGINE STOPS
- "FAIL-SAFE" PARK BRAKE: SPRING APPLIED HYDRAULIC RELEASE
- DASH-MOUNTED INDICATOR LIGHTS

ELECTRICAL SYSTEM:

- 12 VOLT, NEGATIVE GROUND
- 925 AMP COLD CRANKING, MAINTENANCE FREE BATTERY
- 65 AMP H.D. ALTERNATOR
- CIRCUIT BREAKER PROTECTED SYSTEM

FILTRATION:

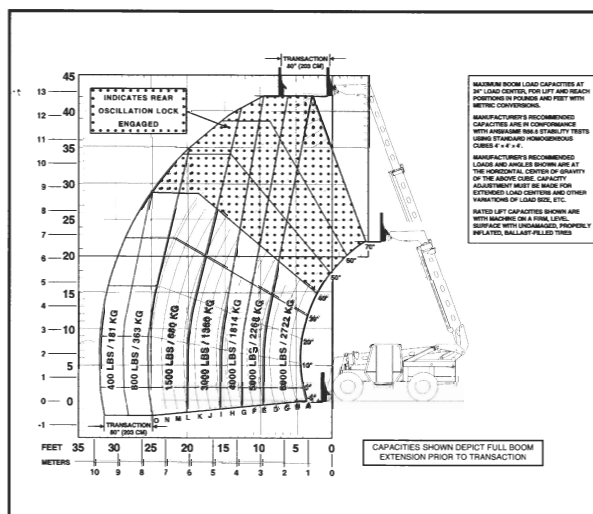
- AIR CLEANER — 2 STAGE DRY TYPE WITH REPLACEABLE ELEMENTS. (VISUAL SERVICE IND. STD.)
- ENGINE OIL LUBE — FULL FLOW SPIN-ON CARTRIDGE TYPE WITH BYPASS
- FUEL FILTER WITH WATER SEPARATOR & DRAIN.
- TRANSMISSION — SPIN-ON TYPE WITH SAFETY BYPASS
- MAIN HYDRAULICS — 10 MICRON FULL FLOW FILTER ELEMENT WITH SAFETY BYPASS

HYDRAULIC SYSTEM:

- 2-SECTION GEAR PUMP: 18 GPM TO MAIN HYDRAULICS, 18 GPM TO STEERING, BRAKE PRIORITIES AND HYDRAULIC SYSTEM. EXTRA FINE METERING & SELF CENTERING HYDRAULIC CONTROL VALVES.

STANDARD EQUIPMENT:

- SEAT BELT
- HORN
- REVERSE WARNING ALARM
- NEUTRAL START SWITCH
- SKID RESISTANT FLOOR MATERIAL
- RIGHT SIDE REAR VIEW MIRROR
- ANTI-FREEZE PROTECTION TO - 30°F
- MACHINE LEVEL INDICATOR

**STANDARD EQUIPMENT (cont'd):**

- FULL INSTRUMENTATION INCLUDING:
 - FUEL GAUGE, WATER TEMP. GAUGE,
 - HOUR METER, OIL PRESSURE GAUGE,
 - TRANS. OIL TEMP. GAUGE, VOLT METER, PARK BRAKE APPLIED LIGHT,
 - LOW BRAKE PRESSURE LIGHT,
 - TRANS. DECLUTCH LIGHT
- AUTOMATIC FORK LEVELING
- HYD/HYD. JOYSTICK CONTROLS (PILOT OPERATED)
- 3-SECTION FULLY SYNCHRONIZED SLIDE BOOM
- FIRST AUXILIARY HYDRAULICS TO BOOM TIP
- FRAME LEVELING 12-1/2° L & R
- TIE DOWN LUGS
- 13:00 X 24 - 10 PLY TIRES
- QUICK ATTACH
- REAR AXLE STABILIZER SYSTEM
- OPERATOR'S COMPARTMENT ROPS/FOPS
- CONFORMS WITH ANSI/ASME B56.6.1992

OPTIONAL EQUIPMENT:

- 50.5" FORK CARRIAGE
- 50.5" SIDE TILTING CARRIAGE (10° R-L)
- DUAL FORK POSITIONING CARRIAGES AVAILABLE IN WIDTHS 50.5" OR 74"
- 74" STANDARD FRAMERS CARRIAGE
- 74" SIDE TILTING FRAMERS CARRIAGE (10° R-L)
- 2" X 4" - 42"/48"/60" FORKS
- 1-3/4" X 6" - 48"/60" LUMBER FORKS
- 2" X 2" CUBING FORKS - ORDER IN PAIRS
- AUXILIARY HYDRAULICS FOR SECOND ACCESSORY
- 1.25 CU YD BUCKET (LIGHT MATERIAL)
- 4,500 LB CAPACITY HYDRAULIC WINCH, BOOM MOUNTED
- CAB ENCLOSURE
- HEATER/DEFROSTER
- AIR CONDITIONING
- 10' TRUSS BOOM (W/WO 2,000 LB CAP. HYDRAULIC OPERATED WINCH)
- ROADWAY LIGHT PACKAGE
- WORK LIGHT PACKAGES
- 3/4 CU YD HYDRAULIC OPERATED CONCRETE HOPPER
- STABILIZERS

OPERATING SPECIFICATIONS:

LIFT AND CARRY CAPACITY	6,000 LBS
MAX. LIFT HEIGHT	42'
MAX. "LANDING HEIGHT"	42'
TRANSACTION	.80"
MAX. HORIZONTAL FORWARD REACH	32'
MAX. REACH @ MAX. LIFT.....	9'8"
CAPACITY @ MAX. REACH	400 LBS
BELOW GRADE	23"
OUTSIDE TURNING RADIUS	13' 8"
GROUND CLEARANCE	16"
OVERALL HEIGHT	95"
OVERALL WIDTH	8'
OVERALL LENGTH	23'7" (W/42" Forks)
WHEELBASE	124"
WEIGHT	22,700 LBS

CAPACITIES:

FUEL	40 GAL.
COOLING SYSTEM.....	18 QTS.
CRANK CASE W/ FILTER.....	14 QTS
HYDRAULIC RESERVOIR	44 GAL.
BATTERY	12 VOLT 925 CCA

SALES & SERVICE

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