



CITY OF WILLOUGHBY
ATTN: MARK GRUBISS

HENDERSON SNOW AND ICE
CONTROL EQUIPMENT PACKAGE

5-31-2017

HENDERSON SNOW PLOW HITCH

- MODEL HFF-LP -QCC FRONT FRAME SNOW PLOW HITCH
- QUICK HITCH WITH PIN AND LOOP CONNECTION SYTEM
- FULL 5/8" STEEL SIDE PLATES
- OEM FACTORY CHASSIS BUMPERS
- 4" X 10" DOUBLE ACTING HITCH LIFTING CYLINDER-TO MATCH PLOW ANGLE CYLINDERS
- 5 POSITION TELESCOPIC LIFT ARM
- FOLDS DOWN FLAT WHEN NOT IN USE
- PRESSURE RELEASE VALVE ON PLOW HYDRAULIC LINE QUICK COUPLERS FOR EASY HYDRAULIC LINE DISCONNECTING
- PAINTED AND INSTALLED

HENDERSON RSP SNOW PLOW

- 10' X 42" REVERSIBLE SNOW PLOW
- FULL TRIP 10GA STEEL MOLDBOARD WITH INTEGRAL ROLLED SHIELD AND MAILBOX CUT ON CURBSIDE OF MOLDBOARD
- FULL TRIP HEAVY DUTY 5 POSITION ADJUSTABLE COMPRESSION SPRINGS
- 4" X 4" X 3/4" HEAVY DUTY BASE ANGLE
- 5/8" X 8" STANDARD HIGHWAY PUNCH CUTTING EDGE
- HEAVY DUTY FULL WIDTH 7 POINT STRUCTURAL TUBULAR PUSH BEAM
- 4" X 10" ANGLE CYLINDERS-TO MATCH PLOW HITCH LIFT CYLINDER
- 100% COUNTINUOUS WELDED
- BUILT IN LEVEL LIFT SYSTEM
- PIN & LOOP OSCILLATING HITCH CONNECTION SYSTEM
- 12" RUBBER SNOW DEFLECTOR
- 36" POLY PLOW SIDE MARKERS
- 1/2" STAINLESS STEEL HYDRAULIC LINE QUICK COUPLERS
- REMOVABLE PARKING JACK
- MOLDBOARD POWDER COATED HENDERSON ORANGE
- PUSH FRAME POWDER COATED BLACK
- INSTALLED

HENDERSON 10' MUNIBODY COMBINATION DUMP BODY

- 10' STAINLESS STEEL COMBINATION DUMP BODY
- CROSSMEMBERLESS-UNIBODY DESIGN
- 22 DEGREE SLOPED SIDES FOR FEEDING MATERIAL TO CONVEYOR

- DUAL COUNTER ROTATING 7" AUGER CONVEYOR SYSTEM
- FRONT OF BODY CONVEYOR DISCHARGE ONLY
- DIRECT CAST FULLY AUTOMATIC DIRECTIONAL SPREAD SPINNER ASSEMBLY OPERATED THROUGH THE CENTRAL HYDRAULIC SYSTEM AND XDS ELECTRIC SPREADER CONTROLLER TO ALLOW DIRECTIONAL CHANGES TO THE SPREAD PATTERN FROM IN THE CAB WHILE THE TRUCK IS IN MOTION
- STAINLESS STEEL CONSTRUCTION
- ENTIRE BODY IS CONTINUOUSLY WELDED
- SLOPED LOWER DIRT SHEDDING RUB RAIL.
- 10' LONG BODY WITH 10' OF LOADABLE SPACE-NO INTERNAL DOGHOUSE
- 7' WIDTH
- 36" SIDES
- 48" AIRLATCH TAILGATE WITH GREESABLE HINGES
- HORIZONTAL WELD ON BRACES ON TAILGATE
- 60" HEADSHEET WITH EXTERNAL DOGHOUSE
- FULL WIDTH HOIST CRADLE TO MOUNT OIL RESERVOIR AND VALVE ENCLOSURE
- ¼" AR400 STEEL FLOOR 200,000 PSI IMPACT RESISTANCE
- SLOPED BOX TOP RAIL 4"x5" SEAMLESS AND BOXED
- FULL DEPTH REAR CORNER POST 7 GAUGE STAINLESS STEEL
- 22"x86" STAINLESS STEEL CONTINUOUSLY WELDED CAB SHIELD
- 3/16" AR 400 STEEL DUAL AUGER CONVEYOR COVER
- STAINLESS STEEL FOLD UP LADDER
- PLATFORM FENDERS FOR FUTURE 165GA. POLY LIQUID TANK MOUNTING PURPOSES
- HEAVY DUTY TOP GRATE STAINLESS STEEL LOADING SCREENS
- ALL LED FMVSS # 108 MARKER LIGHTS
- INSTALLED

HENDERSON FRONT TELESCOPIC HOIST

- MODEL CS FRONT TELESCOPIC MAILHOT HOIST
- 29 TON CAPACITY
- FULL DOUBLE ACTING (POWER UP AND ALL THE WAY DOWN)
- 4" INSIDE DIAMETER CYLINDER BASE TUBE
- ALL CYLINDER STAGES FULLY NITRIDED FOR CORROSION AND WEAR RESISTANCE
- HOIST IS PHOSPHATE RINSED, EPOXY PRIMED, AND FINISH PAINTED BLACK
- HOIST MOUNTED IN FRONT OF BODY-FLAT HEADSHEET
- 9" MOUNTING HEIGHT
- 6"x8"x1/2" STRUCTURAL ANGLE WITH 2" STAINLESS STEEL PINS
- GREASEABLE REAR PINS
- INSTALLED

ELECTRICAL SYSTEM

- WHELEN LED LIGHT SYSTEM
- LED OBLONG AMBER, GREEN OR WHITE STROBE LIGHTS RUBBER GROMMET MOUNTED IN THE CABSHIELD IN SEALED STAINLESS STEEL BOXES FACING FORWARD AND TO THE SIDES

- LED OBLONG AMBER, GREEN OR WHITE STROBES MOUNTED IN SEALED SELF LEVELING STAINLESS STEEL BOXES MOUNTED TO THE SIDE OF THE CAB SHIELD FACING TO THE REAR
- LED OBLONG AMBER, GREEN OR WHITE LIGHTS RUBBER GROMMET MOUNTED IN REAR POST
- LED OBLONG BACK UP LIGHTS RUBBER GROMMET MOUNTED REAR POST
- LED OBLONG STOP/TAIL/TURN RUBBER GROMMET MOUNTED REAR POST
- LED SPINNER HEAVY DUTY LIGHT
- MODEL SK-10 BODY UP LIGHT
- WHELEN BACK UP ALARM
- ALL ONE PIECE WIRING FROM POWER SOURCE TO ELECTRICAL ITEM
- ALL WIRING WILL BE PROPERLY RUN TO AVOID SHARP EDGES AND PINCH POINTS
- ALL WIRING WILL BE PROPERLY FUSED WITH NO BUTT JOINTS OR SPLICES
- FACTORY REAR CHASSIS LIGHTS TO BE REINSTALLED
- POWER DISTRIBUTION PANEL MOUNTED TO BACK INTERIOR WALL OF CAB
- ALL LED FMVSS # 108 MARKER LIGHTS
- HEATED LED SNOW PLOW LIGHTS WITH STAINLESS STEEL MOUNTING BRACKETS
- ALL ONE PIECE WIRING WITH COPY OF WIRING SCHEMATIC
- INSTALLED

CENTRAL HYDRAULIC SYSTEM

- CERTIFIED POWER STORMGUARD/LOAD SENSING SYSTEM
- DANFOSS FRONT CRANKSHAFT MOUNTED PUMP
- CONTROL VALVE TO RUN DUAL AUGER CONVEYOR, HOIST, SNOW PLOW FUNCTIONS, FRONT SPINNER. THE SYSTEM WILL ALSO HAVE A VALVE SECTION IN PLACE FOR FUTURE PRE-WET APPLICATION
- ELECTRIC OVER HYDRAULIC VALVE CONTROLS
- CERTIFIED POWER XDS TOUCH SCREEN SPREADER CONTROLS WITH ARM REST ON TOUCHGUARD SWITCH SYSTEM AND ELECTRIC JOYSTICKS
- PEDISTAL MOUNTING STEEL FLOOR PLATE
- BEHIND CAB 40-GALLON STAINLESS STEEL OIL RESERVOIR AND VALVE ENCLOSURE
- ALL WEATHERHEAD HOSES AND FITTINGS
- ALL STAINLESS STEEL QUICK COUPLERS
- ALL PRESSURE HOSES SAE 100R2
- ALL FITTING JIC STYLE
- STAINLESS STEEL HYDRAULIC REAR TUBES MOUNTED WITH POLY BUSHINGS
- STAINLESS STEEL FRONT TUBES MOUNTED WITH POLY BUSHINGS
- HYDRUALIC SYSTEM TO BE FULLY INSTALLED, TESTED AND CALIBRATED

MISCELLANEOUS

- 3/4" THICK PINTLE PLATE WITH 7 PIN ELECTRICAL PLUG, 1" D-RINGS, AND 8 ADJUSTABLE HITCH MOUNTING HOLES
- 20-TON BOLT ON PINTLE HITCH
- 12" HARDWOOD SIDE BOARDS PAINTED COLOR OF YOUR CHOICE
- (2) STAINLESS STEEL SPRING LOADED SHOVEL HOLDERS
- FOLD UP STAINLESS STEEL SIDE LADDER WITH GRAB HANDLES

- FLEET ENGINEERING POLY TUB FENDERS WITH STAINLESS STEEL MOUNTING BRACKETS
- STAINLESS STEEL QUICK RELEASE MUD FLAP BRACKETS WITH FULL REAR MUD FLAPS
- RED & WHITE REFLECTIVE TAPE BOTH SIDES AND TAILGATE
- CHASSIS AND UNDERSIDE OF BODY WILL BE UNDERCOATED
- COMPLETED TRUCK WILL BE DELIVERED WITH A BINDER CONTAINING OWNERS MANUALS FOR ALL EQUIPMENT WITH OPERATION INSTRUCTIONS AND PARTS BREAKDOWNS. WIRING AND HYDRAULIC SCHEMATICS AND CONTACT INFORMATION.
- UPON DELIVERY OF COMPLETED VEHICLE AN UP-FITTER REPRESENTATIVE WILL SCHEDULE A CITY OF WILLOUGHBY HILLS EMPLOYEE TRAINING SESSION ON THE SAFE OPERATION AND MAINTENANCE OF THE NEW EQUIPMENT

- 5 YEAR WARRANTY. FIRST 36 MONTHS 100% PARTS AND LABOR ON ALL EQUIPMENT AND WORKMANSHIP. SECOND 24 MONTHS 50% LABOR ONLY
- ALL MOUNTING 100% TO THE CITY OF WILLOUGHBY HILLS SPECIFICATIONS
- PREBUILD MEETING TO BE HELD AT UP-FITTER FACILITY
- PREDELIVERY INSPECTION AT UP-FITTER FACILITY PRIOR TO PAINT
- UP-FITTER WILL PICK UP THE VEHICLE AT YOUR LOCATION FOR NECESSARY REPAIRS OR SERVICE WORK NEEDED TO BE COMPLETED AT THE TIME. ONCE THE WORK HAS BEEN COMPLETED THE UP-FITTER WILL RETURN THE VEHICLE TO YOUR FACILITY. THIS DRIVER SERVICE WILL BE OFFERED TO THE CITY OF WILLOUGHBY HILLS FOR THE LIFE OF THE VEHICLE.
- ALL EQUIPMENT AND YOUR CHASSIS ARE FULLY INSURED WHILE IN THE UP-FITTERS POSSESSION.
- LEAD TIME 90 TO 120 DAYS AFTER ARRIVAL OF THE CHASSIS AND ALL THE RELATED TRUCK EQUIPMENT TO THE UP-FITTERS FACILITY

TOTAL INSTALLED PRICE \$82,784.00

HENDERSON PRODUCTS-OHIO
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CONTRACT ACCEPTANCE: _____ DATE: _____

TITLE: _____ PURCHASE ORDER #: _____