

Ring Power®



Ring Power Corporation

500 World Commerce Parkway

St. Augustine, FL 32092

Prepared For:
Florida Sheriff's Association

8/12/2020

Item #394: (1) NEW SUPERIOR DT74C BROOM

CONTRACT DETAILS

Florida Sheriff's Association

Bid # FSA20-EQU18.0

Item #394: Group: SWEEPER: Self-Propelled Hydrostatic Broom - Center Slung

Contract Dates: October 1, 2020 through September 30, 2023

BID SPECIFICATION:

WEIGHT: Minimum operating weight 5,500 lbs. ENGINE: Diesel engine 74 HP at 2200 RPM; Pre-cleaner 54 clone or equivalent; 27-gallon fuel tank. TRAVEL SYSTEM: 2 speed hydrostatic drive; High speed travel, 20 MPH; 225/75R15 tire size; Joystick direction controls, or foot pedal; Front or rear wheel steering. CAB: Roll over and falling object protective structures; Enclosed cab with air conditioner, heater and defroster fan; Front windshield wiper; Gauges or warning indicators for fuel level, engine oil, hydraulic oil and coolant; Right and left side doors; Right and left side mirrors; Shall have safety lighting package and night operating lighting package. BROOM: Minimum 7' 6" poly or poly-steel brush; Brush shall have quick charge core system; Minimum 150 gallon brush watering attachment; Shall have variable brush down-pressure control; Brush shall be hydraulically driven.

BASE MACHINE

DT74C	SUPERIOR DT74C BASE MACHINE
DT74C	CAT C3.4 T4 ENGINE @ 120 HP
DT74C	ENGINE PRE-CLEANER
DT74C	35 GAL FUEL TANK
DT74C	5,500 LBS OPERATING WEIGHT
DT74C	2 SPEED HYDROSTATIC TRANSMISSION
DT74C	HIGH SPEED TRAVEL, 34 MPH
DT74C	225/75R15 TIRE SIZE
DT74C	JOYSTICK DIRECTION CONTROLS
DT74C	FRONT OR REAR WHEEL STEERING
DT74C	ENCLOSED CAB W/ 2 DOORS & FRONT WIPER
DT74C	35,000 BTU AIR CONDITIONING
DT74C	CAB HEATER & DEFROST FAN

DT74C	FRONT WINDSHIELD WIPER
DT74C	FULL GAUGE PACKAGE
DT74C	RIGHT & LEFT SIDE MIRRORS
DT74C	AMBER SAFETY STROBE
DT74C	FRONT & REAR LIGHTING GROUP
DT74C	170 GAL WATER SYSTEM
DT74C	HYDRAULICALLY DRIVEN BRUSH
DT74C	VARIABLE BRUSH DOWN PRESSURE CONTROL
DT74C	96" POLY/STEEL BRUSH

Ring Power Corporation

Superior Broom

SB Manufacturing Inc.



Model
DT74J
DT74C
DT74P

*"Superior Quality
& Performance!"*





OPTIONAL SCRAPER BLADE

Cutting edge is 7 1/2" with power angle, down pressure & float positions for cleaning packed heavy material.



OPTIONAL GUTTER BRUSH

Gutter brush has 27 inch brush head with hydraulic power angle, tilt down pressure and float. Brush is mounted to front bumper for better operator visibility and folds up when not in use.



RADIATOR-OIL COOLER ACCESS DOOR

Standard swing out door for easy cleaning and maintenance of your radiator, oil cooler & A/C condenser are vital to dependable operation. Proper hydraulic oil temperatures are key to extending the life of your hydraulic components. Superior Broom makes it easy to keep your coolers clean.



TOW PACKAGE

Neutral shift for towing makes moving your Superior Broom easy with fold down tow hitch and safety chains.



BROOM CONTROLS

Electronic joystick control for all broom functions with red LED lights indicating brush speed, full gauge package with tachometer, oil & water gauge, volt meter, fuel gauge and sealed rocker switches with red indicator lights.



TRAVEL CONTROL

Dual hydraulic transmission foot controls are more responsive and comfortable for operator comfort.



OPTIONAL CONTROLS

Additional electronic joystick controls shown above control front scraper blade and right side gutter brush attachment. All controls are located at operator's station for easy access.



EASY ENGINE ACCESS

Engine cover doors on right and left sides provide easy access for maintenance.

OPTIONAL BRUSH SIDE SHIFT

Brush will shift 12 inches from center right or left for sweeping outside tires. You can now avoid tire sidewall wear and have better operator visibility to the brush.

Specifications:

Superior Broom

MODELS

DT74J

Powered by
John Deere

DT74C

Powered by
Caterpillar

DT74P

Powered by
Perkins

ENGINE:

John Deere diesel 4.5 liter (276 cid)
74 hp, turbo charged, Tier 4 Final

Caterpillar diesel 3.4 liter (208 cid)
74 hp, turbo charged, Tier 4 Final

Perkins diesel 3.4 liter (208 cid)
74 hp, turbo charged, Tier 4 Final

DIMENSIONS:

Weight: 5,300 lbs. standard unit (w/canopy)
Height - 103 inches (w/canopy)
Length - 172 inches
Width - 96 inches (transport)

CHASSIS:

Welded 6" channel w/gussets at all stress points. Certified roll over protection (ROPS) structure meets and exceeds all Federal Standards

STEERING:

Orbital; hydraulic power steering

HYDRAULIC TANK:

22 gallon capacity

FUEL TANK:

30 gallon capacity

COOLING SYSTEM:

Heavy duty vertically mounted radiator and oil cooler w/8,000 cfm suction fan

FRONT AXLE:

Heavy-duty truck type (full oscillating)

REAR AXLE:

3/4 Ton-heavy duty semi-float differential w/ spring suspension system

WHEELS:

Four - 6 bolt (15" x 6") steel spoke

TIRES:

Four radial ST225/75 R15 load range D

BRAKES:

Four wheel hydraulic w/dual master cylinder and mechanical parking brake.

TRANSMISSION:

Infinitely variable hydrostatic pump and motor driving a differential rear axle through a 2-speed gearbox.

Low range: 0-12 mph

High range: 0-34 mph

HYDRAULIC SYSTEM:

Load compensated piston pump
28 GPM w/2,500 PSI operating pressure
10 micron high pressure suction filter

BRUSH CORE:

8 foot all welded tubular construction
Direct drive motor enclosed in core (200 RPM)
Sweeping width: 96 inches
10" x 32" Prostran wafer type brush filler

SWEEPING ANGLE:

45 degrees (left and/or right)
Circle swing frame mounted on 10 heavy-duty sealed, tapered bearings with debris guards.

BRUSH COVER:

12 gauge steel, 140 degree full brush length with end plate covers and full length rock deflector

BROOM CONTROLS:

Electronic joystick control for brush on-off with trigger for float, push buttons for broom on/off and speed control. Broom lift, adjustable down pressure and swing right to left through joystick movement.

CONTROLS & ACCESSORIES:

Padded seat with arm rests and seat belts, dual element air cleaner & pre-cleaner, 12 volt ignition system. 950 CCA battery and back-up alarm. Gauges include tachometer, hour meter, water temp, oil pressure, fuel and volt meter.



SB Manufacturing Inc.

Optional Equipment:

Enclosed Cab
Air Conditioning
Heat & Defroster
West Coast Mirrors
Light Group
Strobe Light
Brush Side Shift
AM/FM Stereo
Rear Wiper & Washer

Engine Air PreCleaner
Extension Air Stack
Hydraulic Temperature Gauge
170 Gallon Water System
7 1/2' Scraper Blade
Tilt & Telescopic Steering
Spare Tire
Front Fenders
8' Polystrip Brush

Curb & Gutter Brush
Suspension Seat
Tow Bar
Block Heater
2 Door Cab
Audible Engine Alarm
Emergency Brake Safety System
Deluxe Upgrade Suspension Seat
Vandal Locks

Sold & Serviced By:

3707 W. McCormick
Wichita, KS 67213
Ph: 316.941.9591
Fax: 316.942.5672

Superior Broom

Warranty Services And Allowances

- * Warranty Policy of the S B Manufacturing Company will apply to all matters pertaining to claims against the company for replacement of parts or compensation for services.
- * Delivery Reports must be completed by the dealer or retail customer at the time the machine goes into service. If S B Manufacturing does not receive the Delivery Report on a machine we will start the warranty period based off the date machine was delivered to dealer.
- * All Parts and/or components of our suppliers that are claimed to be defective will be returned to the factory for inspection. The defective parts and/or components must be remitted to S B Manufacturing within 30 days of failure and replacement. Where upon S B Manufacturing reserves the right to refuse any payment on any parts that are not sent back within 30 days! This applies to parts and/or components built by or supplied to S B Manufacturing.
- * Warranty claims will not be processed without the return of defective parts and/ or components. If warranty claims are submitted without the return of defective parts S B Manufacturing will contact you one time requesting the return of defective parts. A copy of the service report or warranty claim needs to be with the defective parts when returned.
- * Replacement of parts not malfunctioning or parts that have failed as a result of accidental damage, abuse or standard wear do not qualify for warranty adjustment.
- * Superior Broom limits its warranty allowance on parts and labor in the field or in the service center to its cost of the part compounded with the time of labor estimated necessary to complete the warranty work. **Superior Broom will not warranty any items such as filters, engine oils, coolant, hydraulic oils, battery's, sealed beams, light bulbs, tires, fuses, core drive hubs, brake linings or broom wafers.**
- * Superior Broom will pay the dealer for warranty work performed at 100% of the approved time of labor allowances established by Superior Broom.
- * Warranty service and travel must be authorized by Superior Broom prior to instigating the task.
- * Superior Broom will pay ground freight only on warranty parts.
- * Service labor rate to be paid by S B Manufacturing \$80.00 per hour.
- * Service truck mileage is \$2.00 per mile, providing travel has been authorized.
- * Superior Broom **will not pay** overtime rate or driving time.

Superior Broom

S B Manufacturing Incorporated WARRANTY

Warranty For Self- Propelled Sweepers

S B Manufacturing warrants that new equipment manufactured by it and delivered hereunder will be free of defects in material and workmanship for the earlier of twelve (12) months from delivery to, or the accumulation of 1,000 hours of service by the initial user. Any sweepers placed into service through the dealers rental fleet shall constitute the initial user phase of the in service date.

The Purchaser shall be obligated to promptly report any failure to conform to this warranty to the Company by phone, in writing or e-mail within the applicable period, whereupon the Company shall, at its option, correct such nonconformity, by suitable repair to such equipment or, furnish a replacement part F.O.B. point of shipment, provided the Purchaser has stored, installed, maintained and operated such equipment in accordance with good industry practices and has complied with specific recommendation of the Company. The company shall not be liable for any repairs, replacements, or adjustments to the equipment of any costs of labor performed by the purchaser or others without the company's prior written approval.

This warranty does not apply to failures occurring as a result of abuse, misuse, negligent repairs, corrosion, erosion and normal wear and tear, alterations or modification made to the product without express written consent of the company, or failure to follow the recommended operating practices and maintenance procedures as provided in the equipment's operating and maintenance publications.

Superior Broom will not warranty any items such as filters, engine oils, coolant, hydraulic oils, batteries, sealed beams, light bulbs, tires, fuses, broom wafers, brake linings, or any hydraulic o-rings.

Accessories or equipment furnished by the company, but manufactured by others, including, but not limited to, engines, tires, batteries, engine electrical equipment, hydraulic transmissions, and carriers, shall carry whatever warranty the manufacturers have conveyed to the company and which can be passed on to the purchaser.

The Company makes no other warranty or representation of any kind whatsoever, express or implied, except that of title, and all implied warranties, including any warranty of merchantability and fitness for a particular purpose, are hereby disclaimed.

Correction by the company of nonconformities whether patent or latent, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of the company for such nonconformities, whether based on contract, warranty, negligence, indemnity, strict liability or otherwise with respect to or arising out of such equipment.

The purchaser shall not operate equipment which is considered to be defective, without first notifying the company in writing of its intention to do so. Any such use of equipment will be at the purchaser's sole risk and liability.