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May 12, 2016

Senior GS Specialist
MODOT
P.O. Box 270
Jefferson City, MO 65102

Thank you for the opportunity to provide all MODOT Districts the 2016 Elgin Eagle Twin Engine Four Wheel Mechanical Street Sweeper. The Eagle is now known as the 4M model and is available in two engine, single engine and compact design. Key Equipment and Supply Company is proud to provide the safest, durable and most dependable street sweepers on the market today.

Please review the following standard features:

STANDARD FEATURES

Aux-engine:

Two-stage dry type with restriction indicator (at engine) and precleaner
Broom side, in-cab reversable, 46" steel vertical digger 5 segment
Broom side, pneumatic floating suspension, pneumatic deploy
Broom, main, 34" diameter, 60" wide prefab disposable
Camera, Rear with in-cab monitor
Conveyor, cleated belt, adjustable height
Conveyor flush out system
Conveyor raise in reverse
Conveyor stall alarm
Dirt shoes, rubber
Electric backup alarm
Engine, sweeper, diesel, tier 4 FINAL, 74 HP
Hopper inspection door
Hopper, 4.5 cu yd with window and skylight
Hopper up visual/audible indicator
Hopper, variable high dump, 38" -10'
Hopper lift, dual scissors, 10,000 lbs
Hose, hydrant fill, 16'8" (5080 mm) with strainer and coupling

Hydraulic oil level gauge
and in-cab level light
Lights, automatic backup
Lights, combination tail/stop, separate amber signal
Lights, flood light, one per broom left, right, and main broom (3)
Manuals, operator and parts
Rear broom cover and anti-carryover wrap
Rear broom spray bar
Reflectors, set of 2
Sweep resume / raise in reverse
Tactile controls for all sweep functions
Tool storage
Water fill, anti-siphon
Water level indicator in-cab
Water Pump, electric diaphragm
Water tank, molded polyethylene, 360 gallon total
nominal capacity

In addition to the standard features, the following product enhancements meet and or exceed the current MODOT specifications:

- Robert Shaw automatic lubrication system with an individual pump for each zerk
- Complete hopper constructed of grade 304 Stainless Steel
- Front and rear LED strobe lights with limb protectors
- Left and Right gutter broom tilt angle control from in cab
- All brooms raise when vehicle is placed in reverse
- AM/FM stereo weatherband with CD player and two speakers
- Cab painted yellow to match sweeper
- Sweeper painted yellow
- Heated remote controlled West Coast mirrors
- Alternating LED strobe lights flush mounted to rear of sweeper
- Sweep resume after transport
- Turbo II air precleaner
- Front spray bar
- Spray bar at sidebrooms
- (2) Bostrom 905 mid-back air suspension seats
- Low hydraulic oil level / high temperature automatic engine shutdown
- Service, parts and operators manuals to meet specifications
- Chassis hour meter, aux. engine hour meter, side broom hour meter
- MODOT special arrowboard

Delivered Price per 4M Two Engine Unit	\$ 297,000.00 on Freightliner M2
Delivered Price per 4M Two Engine unit Waterless	\$ 317,000.00 on Freightliner M2
Delivered Price per One Engine Unit	\$ 287,299.00 on Freightliner M2
Delivered Price per Two Engine Compact Unit	\$ 215,000.00 does not meet specs

Price is good through May 30, 2017

Includes on site factory certified training by Key Equipment for service and operation

Payment Terms are Net 10

Delivery in approximately 45-180 days A.R.O.

Bases chassis bid is the latest model Freightliner M2 with dualization. Subject to availability – other chassis are available.

Other product enhancements are available to add to these specifications...see enclosure.

If you need any information, please call our Kansas City office at 800-262-0149 or our St. Louis office at 800-325-4323. If I am traveling and you have an urgent need for information, a message will be forwarded immediately to my mobile phone. I am also available by e-mail at steve@keyequipment.com.

Yours truly,

Steven Hyink

Steven Hyink
President

MODOT EAGLE OPTIONS

Part No.	Options for Dual Eagle Red denoted items are included in 2016 MODOT Bid	Add/Delete
special	MODOT SPECIAL ARROW BOARD FOR EAGLE	\$6,500.00
special	FRONT SPRAY BAR	\$275.00
1054361	SIDE BROOM TILT - RIGHT	\$750.00
1054362	SIDE BROOM TILT - LEFT	\$750.00
1090605	AM/FM/CD RADIO	\$500.00
1091284	PAINT OUTSIDE CAB- YELLOW CHASSIS	\$1,850.00
1082364	RESUME SWEEP AFTER TRANSPORT	\$475.00
Speical	COMPLETE 304 STAINLESS STEEL HOPPER	\$5,500.00
special	FRONT AND REAR LED STROBES W/GUARDS	\$1,000.00
special	ALTERNATING FLUSH MOUNT LED STROBES AT REAR	\$800.00
1091286	RH/LH HTD REMOTE MIRRORS-Freightliner	\$1,500.00
special	PAINT SWEEPER RAL1037 YELLOW	\$0.00
1078563	SHUTDWN-OILPRSS/CLTEMP/ Hyd oil level	\$250.00
1061150	AUTO LUBE-SWEEPER (DUAL)-F	\$3,600.00
702126	EAGLE SERVICE MANUAL	\$100.00
Special	(2) BOSTROM MID-BACK VINYL AIR SUSPENSION SEATS	\$900.00
Included	FREIGHTLINER M2/106 CHASSIS*	\$74,000.00
	*Only chassis available for Single Engine Unit	
	CNG Power & Tanks for Single Engine Unit in lieu of Diesel	\$88,000.00
Special	AUTOCAR EXPERT CAB-OVER CHASSIS	\$98,000.00

-----ALARMS-----

1104970	HOPPER UP CONSTANT ALARM	\$355.00
1101528	LATCHING ELEVATOR REVERSE AND ALARM	\$385.00
1117644	ECCO SA940 SMART ALARM (ILO of STD)	\$270.00
1104705	HOPPER FULL INDICATOR	\$770.00

-----AUTO LUBE-----

1101559	AUTO LUBE-SWEEPER (DUAL)	\$4,835.00
1101560	AUTOLUBE - SWEEPER & TRUCK	\$7,040.00

-----AUTO SHUTDOWN-----

1101380	HIGH TEMPERTURE HYDRAULIC OIL - SHUTDOWN	335.00
1102798	HYDRAULIC LEVEL SHUTDOWN	345.00

-----BROOMS-----

1058158	STRIP MAINBROOM (URB)	\$250.00
1077151	URB STRIP MAINBROOM W/CENTER SWEEP MANDREL	\$250.00
1116786	VARIABLE SPEED	\$2,240.00
1096691	DEDUCT MAINBROOM & CORE	-\$435.00
1118838	MAINBROOM SPRING SUSPENSION (NOT COMPATIBLE WITH HYDRAULIC CONTROL SIDEBROOMS)	N/C
1118869	HYDRAULIC CONTROL SIDEBROOMS (COMPATIBLE WITH CONVENTIONAL CHASSIS ONLY)	N/C
1117850	HYDRAULIC CONTROL SIDEBROOMS (COMPATIBLE WITH CABOVER CHASSIS ONLY)	N/C
1109605	EXTENDED REACH RIGHT HAND SIDEBROOM (AUTOCAR & PETERBILT CHASSIS)	\$1,345.00
1105519	EXTENDED REACH RIGHT AND LEFT HAND SIDEBROOMS (AUTOCAR & PETERBILT CHASSIS)	\$1,890.00
1120361	EXTENDED REACH RIGHT HAND SIDEBROOM (M2 & IH CHASSIS)	\$1,345.00
1120782	EXTENDED REACH RIGHT AND LEFT HAND SIDEBROOMS (M2 & IH CHASSIS)	\$1,890.00

MODOT EAGLE OPTIONS

-----CONVEYOR/ELEVATOR----

1106049	HEAVY DUTY LOWER ROLLER	\$1,000.00
1118107	HIGH SPEED CONVEYOR MOTOR	\$455.00
1120662	SQUEEGEE CONVEYOR (ILO STANDARD RUBBER BELT)	N/C

-----DECALS-----

1102783	RED LOGO/SWOOSH-EAGLE	N/C
1102784	WHITE LOGO/SWOOSH - EAGLE	N/C
1122929	SHIP DECALS AND SWOOSH LOOSE IN HOPPER	N/C

-----GAUGES-----

1101379	BROOM HOUR METERS	\$370.00
1111656	HYDRAULIC OIL TEMPERTURE DISPLAY (IN CAB)	\$345.00
1119940	IN-CAB AUXILIARY ENGINE AIR RESTRICTION GAUGE	\$755.00

-----HOPPER-----

1120240	HOPPER INTERIOR LED LIGHT	\$800.00
1101951	STAINLESS STEEL HOPPER	\$9,005.00
1115491	EXTENDED HOPPER CHUTE	\$980.00

-----EXTRA MANUALS-----

0701682	EAGLE OPERATORS MANUAL	\$50.00
0702462	EAGLE SERVICE MANUAL	\$95.00
0702242	EAGLE PARTS BOOK	\$125.00
0704072	CUMMINS OPERATORS & MAINTENANCE MANUAL	\$130.00
0704073	CUMMINS TROUBLESHOOTING MANUAL	\$175.00

-----LIFE LINER SYSTEM-----

1104503	LIFELINER HOPPER SYSTEM W/WARRANTY	\$4,505.00
1115546	LIFELINER HOPPER SYSTEM W/WARRANTY - LONG CHUTE	\$980.00

-----LIGHTS-----

1103553	PACKAGE 1 : SINGLE REAR/SINGLE HOPPER BEACON; LED WITH GUARD	\$1,930.00
1103533	PACKAGE 2 : DUAL REAR/SINGLE HOPPER BEACON; LED WITH GUARD	\$2,635.00
1103536	PACKAGE 3 : DUAL REAR/SINGLE HOPPER BEACON; LED WITH GUARD & LED ARROWSTICK	\$4,060.00
1104618	PACKAGE 4 : SINGLE REAR/SINGLE HOPPER MOUNT AND GUARD W/O BEACONS	\$1,570.00
1104619	PACKAGE 5 : DUAL REAR/SINGLE HOPPER MOUNT AND GUARD W/O BEACONS	\$1,955.00
1102735	LED STOP/TAIL/TURN/REAR ID/CLEARANCE LIGHTS	\$340.00
1102759	REAR MOUNTED LED ARROWSTICK	\$1,700.00
1102736	(2) REAR LOW MOUNTED OVAL AMBER LED FLASHERS	\$455.00
1103898	(2) REAR HIGH MOUNTED OVAL AMBER LED FLASHERS	\$560.00
1104481	ARROWBOARD - REAR	\$2,020.00
1114836	(3) LED WORK LIGHTS (1 EACH SIDE BROOM, 1 ON MAINBROOM)	\$495.00
1114837	(4) LED WORK LIGHTS (1 EACH SIDE BROOM, 2 ON MAINBROOM)	\$795.00

-----PM10-----

1116589	PM10 COMPLIANT (RULE 1186)	\$3,060.00
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MODOT EAGLE OPTIONS

-----SAFETY-----

1101037	SLOW MOVING VEHICLE SIGN	\$150.00
1104991	REMOVE REAR CAMERA	N/C
SPECIAL	LEFT HAND SIDE CAMERA IN ADDITION TO STD REAR	\$575.00
9306848	TRIANGLE REFLECTIVE FLARES (3)	\$75.00

-----SWEEP COMPONENTS--

1116574	CARBIDE DIRT SHOES (ILO RUBBER)	\$820.00
1116575	RUBBER MOUNTED CARBIDE DRAG SHOES TWO-ROW (ILO RUBBER)	\$765.00
1100656	SIDEBROOM TILT - RIGHT	\$1,200.00
1100660	SIDEBROOM TILT - LEFT	\$1,200.00
1117070	SIDEBROOM TILT - RIGHT W/INDICATOR	\$1,200.00
1117071	SIDEBROOM TILT - LEFT W/INDICATOR	\$1,200.00
SPECIAL	SQUEEGEE CONVEYER (ILO CLEATED BELT)	N/C

-----SWEEPER ENGINE-----

1120322	AUXILIARY ENGINE BATTERY DISCONNECT SWITCH	\$505.00
6063004	EXTRA KEY	\$45.00
1102752	SY-KLONE AUX ENGINE PRECLEANER	\$635.00
1119563	BLOCK HEATER	\$440.00
1036150	HYDRANT WRENCH	\$85.00

-----WATER-----

1032484	25' WATER FILL HOSE (ILO 16' 8")	\$190.00
1108830	AIR PURGE FOR WATER SYSTEM	\$375.00

-----PAINT-----

SPECIAL	SWEEPER PAINTED RAL 1023, 1037, 3020, 1018	\$510.00
SPECIAL	SWEEPER PAINTED ANY OTHER RAL COLOR	\$1,250.00
SPECIAL	SWEEPER PAINTED NON RAL	\$3,790.00

----- M2 CHASSIS OPTIONS -----

0704005	M2 PARTS BOOK	\$395.00
0704006	M2 OPERATOR BOOK	\$45.00
0704007	M2 SERVICE MANUAL	\$320.00
1071235	FUEL CAP SAFETY LOCK	\$215.00
1075400	AM/FM/CD RADIO	\$890.00
1080756	LEFT HAND FENDER MOUNTED MIRROR	\$505.00
1081188	EXTRA KEY	\$45.00
1081365	IN CAB AIR FILTER RESTRICTION INDICATOR	\$830.00
1081747	(2) BOSTROM AIR 905 CLOTH HI-BACK	\$2,010.00
1081748	(1) AIR CLOTH HI-BACK SEAT	\$1,035.00
1103082	(2) AIR SEATS WITH CORDURA CLOTH	\$3,915.00
1081909	SINGLE ARM REST - VINYL (ONLY W/AIR RIDE SEATS)	\$360.00
1081910	DUAL ARM REST - VINYL (ONLY W/AIR RIDE SEATS)	\$680.00
1081911	SINGLE ARM REST - CLOTH (ONLY W/AIR RIDE SEATS)	\$360.00
1081912	DUAL ARM REST - CLOTH (ONLY W/AIR RIDE SEATS)	\$680.00
1081956	DAYTIME RUNNING LIGHTS	\$1,050.00
1090653	DUAL AIR HORN	\$1,530.00
1101567	2 1/2 LB. FIRE EXTINGUISHER	\$210.00
1101568	5 LB. FIRE EXTINGUISHER	\$240.00
1109607	12" CONVEX MIRRORS (ILO STD 8")	\$315.00
1103751	SINGLE CAB MOUNTED BEACON; LED WITH GUARD	\$1,700.00
1117611	FULL WIDTH FRONT SPRAY BAR	\$1,200.00

MODOT EAGLE OPTIONS

1120505	SPARE TIRE / WHEEL	\$1,315.00
1072443	BATTERY DISCONNECT	\$505.00

-----NAVISTAR CHASSIS OPTIONS-----

4820001	CAB STANDARD WHITE	N/C
1063731	NAV CAB PAINTED SPECIAL COLOR	\$3,635.00
1086733	LEFT HAND FENDER MOUNTED MIRROR	\$505.00
1091761	EXTRA KEY	\$55.00
1091770	(2) ELECTRIC & (1) AIR HORN	\$1,840.00
1097641	NATIONAL AIR RIDE SEAT - PASSENGER SIDE - VINYL	\$2,060.00
1097642	NATIONAL AIR RIDE SEAT-PASSENGER SIDE- VINYL W/ARM REST	\$2,200.00
1097643	NATIONAL AIR RIDE SEAT-PASSENGER SIDE - CLOTH	\$2,200.00
1097644	NATIONAL AIR RIDE SEAT-PASSENGER SIDE- CLOTH W/ARM REST	\$2,330.00
1097645	NATIONAL AIR RIDE SEAT - DRIVER SIDE - VINYL	\$2,060.00
1097646	NATIONAL AIR RIDE SEAT-DRIVERS SIDE- VINYL W/ARM REST	\$2,200.00
1097647	NATIONAL AIR RIDE SEAT - DRIVER SIDE - CLOTH	\$2,200.00
1097648	NATIONAL AIR RIDE SEAT - DRIVER SIDE - CLOTH W/ARM REST	\$2,525.00
1099317	(1) ELECTRIC HORN	\$285.00
1091822	AM/FM/CD RADIO	\$890.00
1101567	2 1/2 LB. FIRE EXTINGUISHER	\$210.00
1101568	5 LB. FIRE EXTINGUISHER	\$240.00
1117611	FULL WIDTH FRONT SPRAY BAR	\$1,200.00

-----AUTOCAR XPRT CHASSIS OPTIONS-----

1107216	RAIN FLAPPER EXHAUST	\$380.00
1107220	2 BATTERIES, 31 ECL, 12V, 1900CCA	\$640.00
1107230	AUTO AIR DRAIN VALVE	\$840.00
1107232	BATTERY DISCONNECT	\$1,330.00
1107236	DUAL UNDERCAB AIR HORN	\$1,325.00
1107238	ISRI HT914 HIGH BACK, AIR RIDE, RH	\$2,075.00
1107239	ISRI HT914 HIGH BACK, AIR RIDE, LH	\$2,075.00
1107243	IN CAB AIR RESTRICTOR	\$540.00
1107244	DAYTIME RUNNING LIGHTS FOR US ONLY	\$525.00
1107245	PAINT OUTSIDE CAB	\$5,985.00
1107247	PAINT WHEEL RIMS	\$1,165.00
1108945	AM/FM RADIO WITH CD	\$890.00
1109244	EXTRA KEY	\$110.00
SPECIAL	SPARE TIRE / WHEEL	\$1,315.00
SPECIAL	VANDALL PROTECTION PACKAGE	\$210.00
1120374	2 1/2 LB. FIRE EXTINGUISHER	\$205.00
1120375	5 LB. FIRE EXTINGUISHER	\$240.00
1116212	2014 AUTOCAR SERVICE MANUAL 2010 EMISSIONS- CD	\$655.00

-----WARRANTY-----

W-ME-NA-2F	EAGLE 2 ND YEAR PARTS/LABOR	\$2,650.00
W-ME-NA-3F	EAGLE 3 RD YEAR PARTS/LABOR	\$4,995.00
W-ME-NA-4F	EAGLE 4 TH YEAR PARTS/LABOR	\$7,105.00
W-ME-NA-5F	EAGLE 5 TH YEAR PARTS/LABOR	\$9,100.00
FRT-111-011	FREIGHT-OH,ST.LOUIS METRO	\$1,530.00

2016 Freightliner M2 chassis specification for Eagle

AXLES:

Front - 10,000 lbs(4545kg).with 12,000 lbs. (5443 kg) springs
 Rear - Two speed 23,000 lbs. (10455 kg) with 23,000lbs
 (10455kg) Hendrickson HAS-230 de-flatable air springs for
 ride quality and dumping stability.
 Ratio - 6.17/8.42
 Gross Vehicle Weight Rated (GVWR) - 33,000 lbs. (15,000 kg)

BRAKES:

Service:

Type - Full air, anti-lock
 Front - 15 in. x 4 in. (38.1 cm x 10.2 cm) drum
 Rear - 16.5 in. x 7 in. (42 cm x 17.8 cm) drum
 Compressor Capacity - 18.7 CFM
 Auto slack adjusters, front and rear
 AD-9 Air dryer

Parking:

Type - Spring set, air release

CHASSIS:

Manufacturer: Freightliner
 Model - M2

Frame:

Type - Rail, High Strength 80,000 PSI, 15.9 section modulus
 Size - 10.9 in. x 3.5 in. x 0.34 in. (28 cm x 8.9 cm x 0.86 cm)

DIMENSIONS: (with sweeper mounted)

Wheelbase - 140 in. (3556 mm)
 Overall length - 281 in. (7137 mm)
 Overall Height - 113 in. (3073 mm) w/o beacon
 Overall Width - 96 in. (2438 mm)
 Dumping Clearance Height - 252 in. (6401 mm)
 Turning Radius - 19 ft. 2 in. (5842 mm) (curb to curb)
 Travel Speed - 65 MPH

ELECTRICAL SYSTEM:

Voltage - 12V
 Alternator - 160 Amp.
 Battery - Two (2) 12 Volt 1850 CCA Maintenance Free

ENGINE:

Manufacturer: Cummins
 Model - ISB 200
 Cylinders - In-Line 6
 Displacement - 409 cu. in. (6.7 L)
 Horsepower - 200 (150 kW) @ 2400 RPM
 Torque - 520 lb. ft. (708 Nm) @ 1600 RPM
 Oil Filter - Full-flow, spin on type

WARNING LIGHTS AND CHIME:

Low coolant level, high coolant temperature, warning lights and
 buzzer, low air pressure

SEATS:

Two (2) single, high back, black ballistic nylon cloth

DUAL STEERING:

Type - Full power hydraulic
 Size - 18 in. (457 mm) diameter steering wheel with tilt column.

TRANSMISSION:

Allison 2500RDS 5-speed automatic

WHEELS:

Front & Rear - 22.5 in. x 8.25 in. (57.2 cm x 21.0 cm) steel disc
 type

TIRES:

Front & Rear - 11R 22.5
 Load Range G

ADDITIONAL FEATURES INCLUDED:

Left and right remote control west coast mirrors
 Convex Mirrors (L & R) 8 in. (203 mm) molded in
 under west coast mirrors
 Right hand fender mounted 8" convex mirror

Dual Steering
 Radio install package including harness, speakers and antenna
 Air Conditioner
 Viscous Fan
 Tinted Glass—All Windows
 Engine Hour Meter
 Electric Horn
 Electric Windshield washers with delay
 Cruise Control
 Auto Shutdown
 Blue stripe coolant hoses with constant tension clamps
 750 watt block heater dual
 cup holders Front Tow
 Hooks

OPTIONAL EQUIPMENT AVAILABLE:

AM/FM Radio CD 12"
 Fender mount convex mirrors 8" Left
 fender mount convex mirror In-cab
 air filter restriction indicator
 Battery disconnect
 Daytime running lights

Oil Capacity – 4 us gal.. (15 L) with filter
Air Cleaner – High Capacity dry type with safety element & restriction indicator
Fuel Tank Capacity - 50 gal. (189 L)
Fuel Filter
OBD II diagnostics

INSTRUMENTS (Dual Operating Positions):

Water temperature gauge, tachometer, speedometer with trip odometer, fuel gauge, voltmeter, air pressure, oil pressure, transmission temperature on the left hand side and all FMVSS required gauges on the right hand side.

EXHAUST: - EPA 2013 emissions with on-board diagnostics (OBD), 2010 EPA/CARB/GHG 14. Particulate trap, selective catalytic reduction, 6 gallon diesel emission fluid tank and R.H vertical tailpipe behind cab.

WARNING LIGHTS:

Battery and parking brake

NOTE: These specifications are subject to change without notice.



Elgin Sweeper Company
1300 West Bartlett Road
Elgin, IL 60120
Ph: (847) 741-5370
Fax: (847) 742-3035

2016 Autocar Expert® Cabover Dual steer chassis specification Eagle

AXLES:

Front - 12,000 lbs. (5,454 kg) with 12,500 lbs. (5,409 kg) springs
Rear - Two speed 21,000 lbs. (9,545 kg) with 21,000 (9,545 kg) air bag suspension, solid axle during sweep and dump, fully sprung during transport.
Ratio - 6.17/8.42
Gross Vehicle Weight Rated (GVWR) - 33,000 lbs. (15,000 kg)

BRAKES:

Service:

Type - Full air, anti-lock
Front - 16.5 in. x 5. in. (410 mm x 127 mm) drum
Rear - 16.5 in. x 7 in. (419 mm x 178 mm) drum
Compressor Capacity - 18.7 CFM
Dryer - desiccant type, heated
Auto slack adjusters, front and rear

Parking:

Type - Spring set, air release

CHASSIS:

Manufacturer location: United States
Model - Elgin

Frame:

Type - Rail, High Strength, 120 KSI, 2.13 M RBM
Size - 10 in. x 3 in. x 0.375 in. (254 mm x 76 mm x 9.52 mm)

DIMENSIONS: (with sweeper mounted)

Wheelbase - 132 in. (3353 mm)
Cab to axle - 101 in. (2565 mm) usable
Overall Length - 283 in. (7188 mm)
Overall Height - 110 in. (2794 mm) Top of cab
Overall Width - 96 in. (2438 mm)
Dumping Clearance Height - 236 in. (5994 mm)
SAE Turning Radius - 19 ft.6 in. (5944 mm)
Travel Speed - 65 MPH

ELECTRICAL SYSTEM:

Voltage - 12V
Alternator - 160 Amp.
Battery - Two (2) 12 Volt 1500 CCA total - Maintenance Free

ENGINE:

WARNING LIGHTS and CHIMES:

ABS warning light
Engine control system warning light and buzzer
Air cleaner mounted restriction indicator
Hazard warning flasher
High beam indicator light
Low air pressure warning light and buzzer
Low coolant level and overheating warning light and buzzer
Low oil pressure warning light
Fuel/water separator warning light
Parking brake indicator light
Turn signal indicator lights
Transmission temperature warning light and buzzer

SEATS:

Mechanical suspension vinyl covered

STEERING:

Type - Full power hydraulic
Tilt Telescope column in both operator stations
Dual Steering with LH & RH Complete Gauge Package

TRANSMISSION:

Allison 2500 Series electronic/6 speed overdrive

WHEELS:

Front & Rear - 22.5 in. x 7.5 in. (572 mm x 191 mm)
hub pilot steel disc

TIRES:

Front & Rear - 11R 22.5
Load Range G (14 ply rating)

ADDITIONAL FEATURES INCLUDED:

Air Conditioner	Ash
Tray	
Auto Shutdown	
Auto Windows	
Block Heater, 1000 Watt	
Cigar lighter	
Viscous Fan	
Cruise control	
Front Tow Hooks	Intermittent
speed wipers	Interior map light
Manual part trap regen switch	

Manufacturer: Cummins

Model – ISB 6.7

Cylinders - In-Line 6

Displacement - 402 cu. in. (6.7 L)

Horsepower - 200 @ 2400 RPM

Torque - 520 lb. ft. @ 1000 RPM

Oil Filter - Full-flow, spin on type

Oil Capacity -16 qt. (15 L) with filter

Air Cleaner - Single stage, dry type w/ safety element

Fuel Tank Capacity - 50 gal. (189 L)

Fuel Filter/Water Separator

Exhaust – EPA 13 emissions with particulate trap and

Vertical stack L.H. behind cab.

DEF tank - 5 gallons

INSTRUMENTS:

Water temp. Gauge, tachometer, hour meter,
speedometer, oil pressure gauge, voltmeter, fuel level
DEF gauge, air pressure.

Motorized and heated west coast Mirrors with 8. in.

(203 mm) convex

Transmission

Power windows

Radio

install package

Shift control – push button

Tinted Glass—All Windows.

OPTIONAL EQUIPMENT AVAILABLE:

ride suspension seats

Air

Air Cleaner Restriction Indicator –in cab

Air dryer - Bendix D/V-2 auto

Air

horn -Twin

Air

tank drain valves, automatic

Battery disconnect

Batteries 1900 CCA

Cab painted color not Elgin white

Chassis extended warranty

Engine -Cummins ISB 220 hp

Engine -Cummins ISB 240 hp

Engine extended warranty

Engine oil temperature gauge

Engine exhaust brake

LED lighting.

Mirror,

door mounted down view

Transmission extended warranty-Allison

Radio AM/FM CD

Transmission temperature gauge

NOTE: These specifications are subject to change
without notice.



Elgin Sweeper Company

1300 West Bartlett Road

Elgin, IL 60120

Ph: (847) 741-5370

Fax: (847) 742-3035

ELGIN®

Subsidiary of Federal Signal Corporation

Eagle®



ELGIN EAGLE®

RELIABLE, HEAVY DUTY, VERSATILE MECHANICAL BROOM SWEEPER

If you need a proven mechanical broom sweeper with reliable heavy duty performance, high dump capability and superior operator comfort look to the Elgin Eagle®. The Eagle, first introduced as part of the Elgin family of sweepers in 1988 has been continuously improved, retaining all of the features that made it popular. These include a simplified dual-engine design, increased operator efficiency and productivity, along with the latest technology for superior results.

If you haven't tried sweeping with the Eagle – now is the time to take another look.



APPLICATION SOLUTIONS

Elgin Sweeper doesn't offer just one sweeping technology — we take an application-based approach to solving our customers' sweeping needs. Our team works with each customer to ensure that you get a machine that fits your specifications, with the right truck, engine configuration, fuel requirements, and options.

POWERFUL SUPPORT

Elgin sweepers are built for clean, backed for life. Throughout the life of the sweeper, we offer training to your team on proper use and maintenance. We have a world-wide network of experienced dealers with factory trained technicians and a local stock of OEM parts and accessories, to ensure total customer peace of mind.

UNMATCHED QUALITY

The Eagle was introduced 25 years ago and has been continuously improved. Manufactured in an ISO:9001 certified plant, Elgin Sweepers are quality inspected and functionally tested prior to shipment. Paint prior to assembly ensures uniform, durable coverage. Eagles are proudly assembled in the U.S.A.

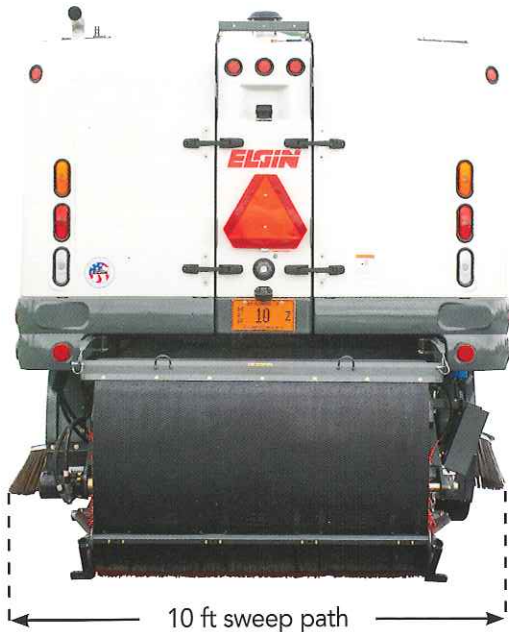


HIGH PRODUCTIVITY SWEEP SYSTEM

- Mounted on a selection of conventional or commercial cabover chassis. Conventional chassis feature a five speed overdrive automatic transmission and commercial cabover chassis feature a six speed wide ratio automatic transmission.
- Sweep system is powered by a low emission, 74hp Cummins diesel engine, (55 kW @ 2500 RPM), one of the most powerful standard auxiliary engines available on a mechanical sweeper.
- Control console, located between the operator stations, provides quick, easy access for increased productivity and safe operation.
- Dual free-floating gutter brooms adjust to variable road surfaces, a sweep path of 10 feet (305 cm) and a powerful free floating direct-drive main broom, ensure reliable and complete pickup of debris.
- Superior dust control is maintained with an in-cab zone-controlled diaphragm water pump and a 360 gallon (1363 L) water tank for long sweep times between refills.
- 4.5 cubic yard (3.4 cubic meters) hopper features a center mounted double-scissors lifting mechanism for greater stability and trouble-free operation. Dumping height is variable up to 10 feet (305 cm) and an 11 inch (279 mm) side shift enables a cleaner more efficient unloading of material.
- Flexible range of chassis choices including cabover or conventional chassis. The cabover chassis cab is dualized with OEM parts, including full factory controls, steering, and OEM gauge package that is identical for both left and right operator stations.



EASY TO OPERATE. EASY TO MAINTAIN. BUILT TO LAST.



MAIN BROOM

A free-floating trailing arm main broom conforms to road contours. Powered by the auxiliary engine, the main broom works at variable speeds that coincide with auxiliary engine RPM. Productivity is enhanced with automatic settings for down pressure, and wear control. Main broom lift, lower and down-pressure functions are controlled from the cab. The main broom arm bearings are sealed and self-aligning for self-adjustment when experiencing an uneven load. The self-adjusting system guards against premature wear.

SIDE BROOMS

46 inch (1168 mm) trailing arm, free-floating side brooms offer four-way motion and protection against damaging impacts. Pneumatic lift and extension control enhances performance while sweeping within a 10 foot (305 cm) wide path. Steel plate disc construction adds durability. Broom speed is controlled by hydraulic motors operating at variable speeds that coincide with auxiliary engine RPM. Automatic settings control down-pressure, digging-pressure and wear-control. In-cab side broom pressure gauges and down-pressure control are standard.



NO JAM DEBRIS CONVEYOR

The Eagle's conveyor uses molded-in full-width cleats that move large debris without jamming. High-strength belt material provides long wear and maximum uptime. The conveyor is controlled from in-cab, including reverse. A built-in washdown makes cleanup quick and easy.

AUXILIARY ENGINE

A low-emission 74 hp Cummins diesel engine (55 kW @ 2500 RPM) provides variable control over sweeper functions independent of the chassis. It is among the most powerful standard auxiliary engines available on a mechanical sweeper. Max fuel capacity is 50 gallons (189 L). The engine includes a two-stage, dry-type air cleaner with safety element, pre-cleaner, and optional in-cab restriction indicator. In-cab gauges and warning lights are displayed for all engine functions including tachometer, hour meter, volt meter, fuel level, coolant temperature, oil pressure, hydraulic oil filter restriction, engine running, and air filter restriction.



HYDRAULIC SYSTEM

The Eagle features a 34 gallon (128 L) reservoir with an external level indicator and thermometer, and a 13.5 GPM (51 LPM) triple section gear pump capacity at 1200 RPM of the auxiliary engine.



SIMPLE, EASY-ACCESS MAINTENANCE

The Eagle was designed so that systems are accessible and easy to service. Large access doors allow for 180 degree accessibility to engine maintenance components. The hydraulic system with o-ring face seal fittings is designed for long life and leak-free operation. Heavy-duty waterproof electrical connectors and color-coded wires have stamped identification for quick location during troubleshooting. A stainless steel toolbox provides additional storage.

SUPERIOR MECHANICAL SWEEPER DESIGN

LARGE VARIABLE HEIGHT DEBRIS HOPPER

The Eagle features a variable-height, right side dump hopper with a capacity of 4.5 cubic yard (3.4 cu meters) volumetric. All hopper lift and dump controls are hydraulic and easily operated from in-cab console mounted controls. A 50 degree dump angle allows material to easily slide out.



11 in. hopper shift

A unitized, twin-cylinder, double scissors lift rated at 11,000 lbs (4990 kg) unloads material at a minimum of 38 inches (965 mm) and a maximum of 10 feet (3048 mm). Payload capacity is 10,000 lbs (4536 kg) per load. An 11 inch (279 mm) side shift allows material to be unloaded into the center of a truck or container for cleaner dumping. A full hopper can dump and retract in 20 seconds for short intervals and up to 70 seconds at top height.



SUPERIOR DUST SUPPRESSION

A 360 gallon removable water tank is made of corrosion resistant polyethylene. A 16 foot, 8 inch long (5.1 m) fill hose and water level indicator lights located on the control console are standard. Water flow for the side and main brooms is controlled in-cab. The self-priming diaphragm pump (run dry type, 40 psi) provides effective dust control. Three spray nozzles are positioned on each side broom and three on the main broom.

CONTROLS

The control console, located in-cab between the right and left operator stations controls all sweep, dust suppression, and hopper operations. One-button automatic return to sweep improves operator efficiency. Tactile-feel controls allow the operator to keep their eyes focused forward for added safety.



UNIQUE APPLICATION VERSATILITY

CONVEYOR FLEXIBILITY

The Eagle comes standard with a no jam debris conveyor belt featuring molded-in full-width cleats that move debris without jamming. High-strength belt material provides long wear and maximum uptime. The Eagle is specifically designed to provide versatile and reliable performance in a wide range of applications including highway sweeping, general municipal sweeping, trash, leaves, and other organics.

The Eagle is also available with a squeegee-type conveyor for applications such as aggregate and granular material pick up of gravel and millings; ideal for road construction contractors. Conveyor rotation direction is controlled in-cab and conveyor speed is variable with auxiliary engine RPM providing maximum on-the-go productivity and ease of cleaning.

THE ELGIN BELT CONVEYOR

- Full-width cleats move more material quickly to the hopper for maximum productivity.
- Direct-drive hydraulic motor for optimal power transfer to the conveyor system.
- Improved hopper fill by throwing debris towards center of hopper.
- Heavy-duty belt construction resists stretching and requires fewer adjustments.
- Ribs between cleats enhance effectiveness of moving fine debris into the hopper.

THE ELGIN SQUEEGEE CONVEYOR

- Chain side-plate constructed from through hardened steel for long life and smooth operation.
- Three-piece design for easy service without removing complete assembly.
- Thick, multi-ply rubber-edged flights provides efficient movement of debris into the hopper.
- Unique, interlocking, wavy-plate joint design prevents excessive wear and "thumping" over plate seams.
- Abrasion-resistant steel floor for durability.
- Direct-drive hydraulic motor for optimal power transfer to the conveyor system.

The Eagle conveyors are designed to be interchangeable should a customer have different applications throughout the sweep season.



WATERLESS DUST CONTROL

The Elgin Eagle is available with an optional dry dust control system. This model maintains all the features and performance that have made the Eagle a popular four wheel mechanical sweeper, but does not require water for dust suppression. This means increased pick-up of fine particles over wet dust control sweepers, reliable year-round sweeping, and considerable water conservation. The Eagle with dry dust control's patented dust control system includes a dust skirting system, dust separator in the hopper, and a dust control fan with a maintenance-free filter. Operators sweep more and spend less time filling tanks, enhancing productivity. This model is ideal for industrial applications where heavy, dry materials must be swept up while keeping dust emissions to an absolute minimum. *Consult factory for waterless model details.*

OPTIONAL ENHANCEMENTS



CONVENTIONAL CHASSIS

Conventional chassis are built for sweeping and provide outstanding visibility, comfort, safety, and productivity. The short wheel base and unique steering geometry allow maximum maneuverability. A choice of Freightliner or International conventional chassis are also available.



LIFELINER® HOPPER SYSTEM

The LifeLiner® hopper system is a specially designed hopper liner and finish system that greatly improves the life, durability, and functionality of a sweeper hopper. The LifeLiner hopper system is backed by a lifetime warranty.*



IN-CAB SIDE BROOM TILT AND EXTENDED REACH

Allows operator to sweep effectively in variably-pitched gutters. On-the-go pitch adjustment with a simple variable rocker switch. Extended reach allows the side broom to follow curbs and tight cul-de-sacs.

ADDITIONAL OPTIONS:

- Outside cab, side broom down pressure control
- Outside cab, main broom down pressure control
- In-cab, side broom speed control
- Strobe lamp
- Arrowstick
- Automatic lubrication system
- Front spray bar
- Alternative Conveyor - Squeegee with rubber edging

SPECIFICATIONS:

SWEEP PATH

Main broom only:
60 in (1524 mm)

Main broom & one side broom:
90 in (2286 mm)

Main broom and 2 side brooms:
120 in (3048 mm)

HOPPER CAPACITY

Volumetric Capacity: 4.5 yd³ (3.4 m³)
Material volume: 3.3 yd³ (2.5 m³)

HOPPER DUMPING

Minimum dump height: 38 in (965 mm)
Maximum dump height: 10 ft (3048 mm)

WATER SPRAY SYSTEM

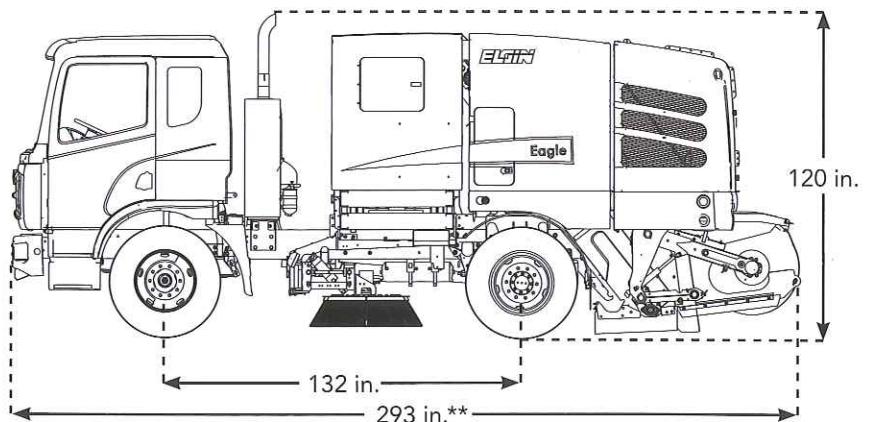
Tank capacity: 360 gal. (1362 L)

AUXILIARY ENGINE

Cummins 74hp EPA compliant engine

CHASSIS

Conventional or cab-over



*Consult factory for warranty details **Transport mode

ELGIN SWEEPER IS YOUR PARTNER...

IN THE PLANNING

Instead of one-size-fits-all solutions, we'll work with you to select the sweeping technology that fits your specific needs.



IN THE STREETS

We're here to help you maintain your Elgin and train your operators to ensure the job is done right.



INTO THE FUTURE

Our dealers don't just sell you an Elgin; they're available to answer your questions and provide service for the life of the machine.



WARRANTY

Elgin Sweeper Company backs the Eagle sweeper with a one-year limited warranty. The Eagle is warranted against defects in material or workmanship for a period of 12 months from the date of delivery to the original purchaser. Optional extended warranty packages are available. Consult your Elgin dealer for complete warranty information.

Your Local Elgin Dealer Is:



elginsweeper.com

1300 W. Bartlett Road • Elgin, IL 60120 U.S.A.
(847) 741-5370 Phone • (847) 742-3035 Fax

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