



Branch Office
P.O. Box 692109
Tulsa, OK 74169
918-809-8011

Branch Office
P.O. Box 11035
Kansas City, KS 66111
913-371-8260

Main Office
P.O. Box 2007
Maryland Heights, MO
63043
314-298-8330

May 13, 2016

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

Dear Kristi,

Thank you for the opportunity to provide MODOT the 2016 proposal for the Elgin Crosswind Regenerative Air Street Sweeper. Key Equipment and Supply Company is proud to provide the safest, most durable and dependable street sweepers on the market today.

Please review the following standard features:

Patent-pending Shared Power system
Alternator, 95 amp
Auto Shutdown, Aux. Engine
Backup Alarm, electric
Blower, HARDOX®500 steel with linatex lined housing
Brooms, hydraulic rotation
Brooms, Dual
Camera, rear mounted
Console, w/rocker switches for all sweep functions, with full gauge package including tachometer, engine hour meter, oil pressure indicator, coolant temperature, voltmeter and fuel level indicator, water level gauge and warning lights for hopper "up", hopper rear door "open" and hopper "full", with auxiliary engine, RPM control, side broom down pressure controls and automotive style blade fuses
Doors, access fiberglass doors provide easy service and maintenance on auxiliary engine, hydraulic and electrical system
Electronic Actuated Throttle, sweep resume/sweep transport/reverse pick-up
Fuel Water Separator on Aux Engine

Hopper rear door, hydraulically opened/closed and locked/unlocked with external manual controls
Hose, hydrant fill, 16'8" (5080 mm) with coupling
LED Clearance Lights
Lights; rear clearance and rear identification
Manuals, operator and parts
Mirrors, West Coast type with 8" convex inserts, one each side
Pick-up head, hydraulically operated, 14" (355 mm) outside diameter pressure hose, 12-3/4" (324mm) inside diameter suction hose with quick disconnect on suction side
Water system; one (1) rocker switch with HI / LOW setting, with manual valves for water control
Spray nozzles, sixteen (16), seven (7) in the pick-up head, three (3) in the suction nozzle, three (3) at each side broom
Side Broom Outer Position Stop
Trans Oil Cooler
Vacuum enhancer, external manually operated
Water tank, molded polyethylene, 240 gallons (907L)
Water pre-filter, hydrant fill hose

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

- Robert Shaw automatic lubrication system with individual pump for each zerk (sweeper only)
- Complete Grade 304 Stainless Steel hopper and screens
- Centerbroom in pick-up head with water spray nozzles
- Inside hopper spray nozzles
- Nozzles to be controlled individually
- Left and Right gutter broom tilt angle control from in cab
- Front spray bar for dust suppression
- AM/FM stereo weatherband with CD player and two speakers
- Cab painted yellow to match sweeper which is painted RAL 1037 yellow
- Alternating LED strobe lights flush mounted to rear of sweeper
- LED light to be mounted rear of unit with guard
- LED light Mounted rear of cam but not on cab
- Service, parts and operators manuals to meet specifications
- Chassis hour meter, aux. engine hour meter and side broom hour meter
- (2) Bostrom 905 mid-back air suspension seats
- Auxiliary electric/hydraulic pump (allows dumping without impeller engaged)
- Turbo II air precleaner
- MODOT special arrowboard
- AC/Heat and defrost
- High temp low level oil shutdown
- Low level hydraulic level shut down
- Hopper load indicator
- LED flood light adjacent each side broom
- LH/RH Electric remote West Coast type mirrors with 8 inch spot convex(chassis dependent option)

Delivered Price per Unit	\$ 262,299.00 With Memory Sweep
Delivered Price per Unit	\$ 269,299.00 With out Memory Sweep

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 90 days A.R.O.

Base chassis bid is for a latest model available Freightliner M2 Conventional Cab with dualization. Subject to availability.

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

Part No.	for Dual Crosswind with memory sweeping Red denoted items are included in 2016 MO	Add/Delete
1068972	AUTO LUBE SWEEPER ONLY	\$3,400.00
1090150	RED LOGO / CROSSWIND	\$0.00
Special	STAINLESS STEEL HOPPER	\$10,000.00
1071234	SS HOPPER SCREENS	\$1,000.00
702430	CROSSWIND SERVICE MANUAL	\$100.00
1087729	LEFT HAND SIDE BROOM TILT	\$750.00
1087730	RIGHT HAND SIDE BROOM TILT	\$750.00
1086440	CENTERBROOM	\$3,500.00
1078045	TURBO II PRECLEANER	\$350.00
1066013	SPRAY NOZZLES FOR CENTERBROOM	\$250.00
#NAME?	AM/FM/CD RADIO	\$500.00
#NAME?	HEATED REMOTE MIRRORS	\$1,000.00
#NAME?	(2) BOSTROM 905 VINYL MID-BACK	\$1,200.00
#NAME?	AUXILIARY HYDRAULIC PUMP	\$600.00
#NAME?	FRONT SPRAY BAR	\$250.00
2203116	MODOT SPECIAL ARROWBOARD W/O WANDERING HOSE	\$6,500.00
2203118	(2) FLUSH MOUNTED LED STROBES REAR	\$850.00
Special	PAINT CHASSIS CAB RAL 1037 YELLOW	\$1,850.00
Special	PAINT SWEEPER RAL 1037 YELLOW	\$0.00
Included	FREIGHTLINER M2/106 CHASSIS	\$74,000.00
Special	Peterbuilt Right hand side drive only	\$85,000.00
	Auto Car Dual drive	\$95,000.00
	-----SWEEPER COMPONENTS-----	
1114911	***BROOM HOURS WITH IN-CAB DISPLAY	\$115.00
1111587	***VACUUM ENHANCER IN-CAB CONTROL WITH IN-CAB DISPLAY	\$465.00
	-----SIDE BROOMS OPTIONS-----	
1111176	RH GUTTER BROOM TILT WITH IN-CAB DISPLAY	\$1,100.00
1111175	LH GUTTER BROOM TILT WITH IN-CAB DISPLAY	\$1,100.00
1113732	VARIABLE SPEED - DUAL SIDEBROOMS	\$3,285.00
	-----WORK & FLOOD LIGHTS (CHOOSE UP TO ONE)-----	
	ALL WORK & FLOOD LIGHTS CONTROLLED USING SINGLE (1) ROCKER SWITCH	
	NOTE: Side Broom Lights are NOT STANDARD	
1111618	SINGLE SWITCH - DUAL SIDEBROOM LIGHTS	\$260.00
1111619	SINGLE SWITCH - DUAL REAR FLOOD LIGHTS	\$410.00
1111620	SINGLE SWITCH - DUAL SB & RR FLOOD LTS	\$615.00
1111621	SINGLE SWITCH - DUAL SB LIGHTS-LED	\$460.00
1111622	SINGLE SWITCH - DUAL RR FLOOD LIGHTS-LED	\$615.00
1111623	SINGLE SWITCH - DUAL SB & RR FLD LTS-LED	\$1,025.00
	OR	
	ALL WORK & FLOOD LIGHTS ARE EACH CONTROLLED USING INDIVIDUAL ROCKER SWITCHES	
	NOTE: Sidebroom Lights are NOT STANDARD	
1111529	***INDVDUAL SWITCHES FOR DUAL SIDEBROOM LIGHTS	\$605.00
1111530	INDIVIDUAL SWITCHES FOR DUAL REAR FLOOD LIGHTS	\$630.00
1111531	INDIVIDUAL SWITCHES FOR DUAL SIDEBROOM & REAR FLOOD LIGHTS	\$1,235.00
1111532	INDIVIDUAL SWITCHES FOR DUAL SIDEBROOM LIGHTS-LED	\$745.00
1120823	Individual switches for right hand sidebroom lights led	\$685.00
1111533	INDIVIDUAL SWITCHES FOR DUAL REAR FLOOD LIGHTS-LED	\$855.00
1111534	INDIVIDUAL SWITCHES FOR DUAL SIDEBROOM & REAR FLOOD LTS-LED	\$1,595.00
	-----WATER SYSTEM (CHOOSE UP TO ONE)-----	
1110823	FUNCTIONAL CONTROL OF WATER SYSTEM	\$725.00
	OR	
1113730	INDIVIDUAL SWITCHES FOR WATER SYSTEM CONTROL (NOT COMPATIBLE WITH	\$1,340.00
	-----SIDE BROOMS-----	
1112947	***DUAL SIDE BROOM SCRUBBING POSITION	\$1,725.00
	-----HOPPER OPTIONS-----	

1110562	***IN-CAB HOPPER DUMP	\$805.00
	-----ALARMS-----	
SPECIAL	BACKUP ALARM, SMART	\$400.00
	-----AUTO LUBE-----	
1068972	AUTO LUBE SWEEPER ONLY	\$4,245.00
	-----BROOMS-----	
1078904	DUAL POLY BROOMS	\$215.00
	-----DECALS-----	
1090150	RED LOGO/CROSSWIND	N/C
1090153	WHITE LOGO/CROSSWIND	N/C
	-----GAUGES-----	
1061886	HYDRAULIC OIL LEVEL GAUGE W/THERMOMETER	\$180.00
	-----HOPPER OPTIONS-----	
1085864	RIGHT HAND INSPECTION DOOR	\$430.00
1085882	LEFT HAND INSPECTION DOOR	\$430.00
1085883	RIGHT HAND INSPECTION DOOR & STEP	\$765.00
1085884	LEFT HAND INSPECTION DOOR & STEP	\$765.00
1085887	6" HOPPER DRAIN	\$810.00
	----STAINLESS STEEL HOPPER----	
1071234	STAINLESS STEEL HOPPER SCREENS	\$1,530.00
1101937	STAINLESS STEEL RIGHT HAND INSPECTION DOOR & STEP	\$785.00
1119271	stainless steel hopper with hopper deluge	\$1,010.00
1101938	STAINLESS STEEL LEFT HAND INSPECTION DOOR & STEP	\$785.00
RFQ 54131	SS 304 HOPPER/HOPPER DOOR/HARDWARE **SS SCREENS NOT INCLUDED*	\$15,745.00
RFQ 54132	4 HOPPER/HOPPER DOOR/HARDWARE/6" DRAIN **SS SCREENS NOT INCLU	\$16,900.00
	-----LIFELINER HOPPER----	
1092227	LIFELINER HOPPER SYSTEM W/WARRANTY	\$7,815.00
	-----MANUALS-----	
0702251	CROSSWIND SHARED POWER 74HP PARTS MANUAL	\$95.00
701671	CROSSWIND SHARED POWER 74HP OPERATORS MANUAL	\$50.00
702438	CROSSWIND SHARED POWER 74HP SERVICE MANUAL	\$95.00
701525	JOHN DEERE SHARED POWER 74HP PARTS MANUAL	\$40.00
701526	JOHN DEERE SHARED POWER 74HP OPERATORS MANUAL	\$52.00
701503	JOHN DEERE SHARED POWER 74HP SERVICE MANUAL	\$148.00
	-----LIGHTING-----	
1115276	WIRE/MOUNT REAR	\$405.00
1115277	WIRE/MOUNT REAR W/GUARD	\$630.00
1115278	WIRE/MOUNT REAR BEACON W/GUARD	\$630.00
SPECIAL	WIRE/MOUNT REAR STROBE W/GUARD	\$715.00
SPECIAL	WIRE/MOUNT REAR LED STROBE W/GUARD	\$1,420.00
1121098	(2) REAR STROBES W/GUARDS USE W/WANDERING HOSE	\$1,420.00
1121099	(2) REAR STROBES W/GUARDS USE W/O WANDERING HOSE	\$1,420.00
SPECIAL	REAR LED ARROWBOARD	\$2,555.00
1117178	REAR BEACON / ARROWBOARD	\$2,175.00
1117182	REAR STROBE / ARROWBOARD	\$2,155.00
1117179	REAR BEACON / LED ARROWBOARD	\$2,920.00
1117183	REAR STROBE / LED ARROWBOARD	\$2,755.00
1117011	(2) REAR BUMPER MOUNTED STROBES (MUST SELECT ONE "INDVDUAL SWITCHES WORK LIGHT OPTION")	\$1,085.00
SPECIAL	(2) ALTERNATING FLASHING REAR LIGHTS (MUST SELECT ONE "INDVDUAL SWITCHES WORK LIGHT OPTION")	\$845.00
1113947	REAR BEACON / LED ARROWSTICK	\$2,785.00
1113948	REAR STROBE / LED ARROWSTICK	\$2,540.00
SPECIAL	LED ARROWSTICK	\$2,190.00
1113541	(2) REAR BEACONS / LED ARROWSTICK (USE W/WANDERING HOSE)	\$3,680.00
1113542	(2) REAR BEACONS / LED ARROWSTICK (USE W/O WANDERING HOSE)	\$3,680.00

1113543	(2) REAR STROBES / LED ARROWSTICK (USE W/WANDERING HOSE)	\$3,175.00
1113544	(2) REAR STROBES / LED ARROWSTICK (USE W/O WANDERING HOSE)	\$3,175.00
	-----PAINT-----	
4811018	PAINT SWEEPER YELLOW RAL 1018	\$510.00
4811023	PAINT SWEEPER YELLOW RAL 1023	\$510.00
4811037	PAINT SWEEPER YELLOW RAL 1037	\$510.00
4813020	PAINT SWEEPER TRAFFIC RED RAL 3020	\$510.00
4812003	RAL 2003 NO LONGER AVAILABLE	N/A
4812004	RAL 2004 NO LONGER AVAILABLE	N/A
SPECIAL	PAINT SWEEPER OTHER RAL THAN ABOVE	\$1,250.00
SPECIAL	PAINT SWEEPER NON RAL COLOR	\$3,790.00
	-----PM10 COMPLIANCE-----	
1118128	TER SYSTEM (NOT COMPATIBLE WITH FUNCTIONAL OR INDIVIDUAL WATER	\$2,960.00
1117309	USE WITH CENTERBROOM (NOT COMPATIBLE WITH FUNCTIONAL OR INDIV	\$2,960.00
	-----SAFETY-----	
1048643	SLOW MOVING VEHICLE SIGN	\$150.00
5007219	HYDRAULIC JACK, 5 TON	\$260.00
9306848	TRIANGLE REFLECTOR FLARES (3)	\$75.00
1095548	LEFT HAND SIDE CAMERA	\$575.00
	-----SWEEP COMPONENTS-----	
SPECIAL	AIR SUPPLY HOSE	\$410.00
1117124	CENTERBROOM	\$4,740.00
	-----SWEEPER ENGINE-----	
SPECIAL	BATTERY DISCONNECT SWITCH	\$495.00
1078045	TURBO II PRECLEANER	\$485.00
SPECIAL	AUX ENGINE PRE-CLEANER	\$575.00
SPECIAL	1000 WATT BLOCK HEATER	\$430.00
6063004	ADDITIONAL IGNITION KEY	\$45.00
1114027	AUXILIARY HYDRAULIC PUMP USE WITH IN-CAB HOPPER DUMP [SHARED POWER]	\$1,350.00
1114026	UXILIARY HYDRAULIC PUMP USE WITHOUT IN-CAB HOPPER DUMP [SHARED POWER]	\$1,530.00
	-----TOOLS/TOOL BOX-----	
1036150	HYDRANT WRENCH	\$85.00
1053426	TOOL KIT	\$735.00
1057687	TOOL BOX W/TOOLS	\$710.00
	-----WANDERING HOSE-----	
1110899	HYDRAULIC WANDERING HOSE	\$4,700.00
1110901	HYDRAULIC WANDERING HOSE (USE W/VARIABLE SPEED)	\$4,700.00
1059263	4 FT. ALUMINUM WANDERING HOSE EXTENSION - REAR MOUNT	\$750.00
1063656	(2) 4 FT. ALUMINUM WANDERING HOSE EXTENSION REAR MOUNT	\$1,520.00
	-----WATER SYSTEM-----	
1032484	25' WATER FILL HOSE (ILO 16' 8")	\$190.00
1040094	QUICK DISCONNECT WATER FILL	\$505.00
1059209	HOPPER DELUGE	\$1,010.00
1088582	HOPPER WATER NOZZLES	\$555.00
1061652	ANTI SIPHON 2-1/2" AIR GAP (NOT COMPATIALBE W/EXTRA WATER TANKS)	\$180.00
SPECIAL	SPRAY NOZZLES FOR CENTERBROOM	\$520.00
1070059	AIR PURGE FOR WATER SYSTEM	\$375.00
1111680	LOW PRESSURE WASH DOWN (NOT COMPATIBLE WITH PM 10)	\$1,170.00
SPECIAL	HIGH PRESSURE WASHDOWN (USE W/CENTERBROOM)	\$4,275.00
SPECIAL	HIGH PRESSURE WASHDOWN	\$4,550.00
1100507	AIR PURGE FOR WATER SYSTEM (USE W/PM10)	\$385.00
	-----WIRE MOUNT-----	
SPECIAL	WIRE/MOUNT REAR	\$395.00
SPECIAL	WIRE/MOUNT RIGHT & LEFT REAR (USE W/WANDERING HOSE)	\$925.00

SPECIAL	WIRE/MOUNT R&L REAR (USE W/OUT WANDERING HOSE)	\$925.00
SPECIAL	WIRE MOUNT R&L REAR BEACON (USE W/WANDERING HOSE)	\$1,240.00
SPECIAL	WIRE MOUNT R&L REAR BEACON (USE W/OUT WANDERING HOSE)	\$1,070.00
	----- M2 CHASSIS OPTIONS -----	
0704005	M2 PARTS BOOK	\$405.00
704006	M2 OPERATOR BOOK	\$50.00
704007	M2 SERVICE MANUAL	\$350.00
1063734	CAB PAINT	\$3,775.00
1070639	LED/STOP/TAI/REAR TURN LIGHT	\$615.00
1071626	PAINT TRUCK RIMS	\$1,165.00
1075400	AM/FM/CD RADIO	\$890.00
1080756	LEFT HAND FENDER MOUNTED MIRROR	\$505.00
1109607	12" CONVEX MIRRORS	\$315.00
1081188	EXTRA KEY	\$45.00
1081745	(2) BOSTROM 905 VINYL MID-BACK	\$1,815.00
1081746	(1) BOSTROM 905 VINYL MID-BACK	\$890.00
1081747	(2) BOSTROM AIR 905 CLOTH HI-BACK	\$2,010.00
1081748	BOSTROM AIR 905 CLOTH HI-BACK	\$1,035.00
SPECIAL	SPARE TIRE & WHEEL , BALANCED	\$1,315.00
1081909	SINGLE ARM REST - VINYL	\$360.00
1081910	DUAL ARM REST - VINYL	\$680.00
1081911	SINGLE ARM REST - CLOTH	\$360.00
1081912	DUAL ARM REST - CLOTH	\$680.00
1082931	AIR RESTRICTOR GUAGE	\$970.00
1117760	WIRE/MOUNT CAB / REAR	\$1,005.00
1117761	BEACON CAB / REAR W/WIRE MOUNT	\$1,435.00
1117762	STROBES CAB / REAR W/WIRE MOUNT	\$1,720.00
1111698	FRONT SPRAY BAR (NOT COMPATIBLE WITH THE STANDARD WATER SYSTEM)	\$540.00
1111756	T SPRAY BAR (USE W/PM-10) (NOT COMPATIBLE WITH THE STANDARD WATER SYS	\$700.00
1090653	DUAL AIR HORN	\$1,560.00
1101567	2 1/2 LB. FIRE EXTINGUISHER	\$210.00
1101568	5 LB. FIRE EXTINGUUISHER	\$235.00
SPECIAL	AUTO LUBE TRUCK/SWEEPER	\$7,055.00
SPECIAL	CAB & (2) REAR BEACONS (USE W/ WANDERING HOSE)	\$1,975.00
SPECIAL	CAB & (2) REAR BEACONS (USE W/O WANDERING HOSE)	\$1,975.00
1117860	CAB & (2) REAR STROBES (USE W/ WANDERING HOSE)	\$2,155.00
1117861	CAB & (2) REAR STROBES (USE W/O WANDERING HOSE)	\$2,155.00
SPECIAL	WIRE/MOUNT CAB & REAR WITH ARROWBOARD	\$3,400.00
SPECIAL	BEACON CAB & REAR WITH ARROWBOARD	\$21,680.00
SPECIAL	STROBE CAB & REAR WITH ARROWBOARD	\$2,680.00
1117764	LED STROBE CAB/REAR	\$2,045.00

2017 Autocar Dual steer chassis specification for Crosswind

AXLES:

Front - 12,000 lbs. (5,454 kg)
Rear - 21,000 lbs. (9,545 kg) HTS, with 21,000 (9,545 kg) variable rate leaf spring.
Ratio - 7.17/9.77
Gross Vehicle Weight Rated (GVWR) - 33,000 lbs. (15,000 kg)

BRAKES:

Service:

Type - Full air ABS 4S/4M W/PLC
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
Air Dryer - WABCO 1200 Plus
Auto slack adjusters, front and rear

Parking:

Type - Spring set, air release

CHASSIS:

Manufacturer: Autocar Trucks
Model - Autocar Xpert

Frame:

Type - Rail, High Strength, 120,000 PSI, 2.13M RBM
Size - 10 in. x 3 in. x .375 in. (254 mm x 76 mm x 9.52 mm)

DIMENSIONS: (with sweeper mounted)

Wheelbase - 164 in. (4166 mm)
Cab to axle - 138 in. (3353 mm) usable
Overall Length - 256.51 in. (6515.35 mm)
Overall Height - 110 in. (2794 mm) Top of cab
Overall Width - 96 in. (2438 mm)
Dumping Clearance Height - 236 in. (5994 mm)
Turning Radius - 23ft. 4 in. (7112 mm)
Travel Speed - 65 MPH

ELECTRICAL SYSTEM:

Voltage - 12V
Alternator - 130 Amp.
Battery - Two (2) 12 Volt 750 CCA (Total 1500 CCA)
Maintenance Free

ENGINE:

Manufacturer: Cummins
Model - ISB 6.7
Cylinders - In-Line 6
Displacement - 402 cu.in. (6.7 L)
Horsepower - 200 @ 2600 RPM
Torque - 520 lb. ft. @ 1600 RPM
Oil Filter - Full-flow, spin on type
Oil Capacity - 16 qt. (15 L) with filter
Air Cleaner - 13" Single stage, dry type w/ safety

WARNING LIGHTS and CHIMES:

ABS warning light
Air cleaner mounted restriction indicator
Battery low light
Cab latch light
Engine control system warning light and buzzer
Engine Stop light
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 and buzzer
Parking brake indicator light
Turn signal indicator lights
Transmission temperature warning light and buzzer

SEATS:

RH - Mechanical suspension, adjustable dampener, cloth covered
LH - Mechanical suspension, adjustable dampener, cloth covered

STEERING:

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

TRANSMISSION:

Allison 2500RDS 6-speed automatic

WHEELS:

Front & Rear - 22.5 in. x 8.25 in. (572 mm x 191 mm) stud pilot steel disc

TIRES:

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

WARRANTY:

12 mo parts and labor 100,000 miles, complete components such as engines and transmissions assume their respective manufacturer's warranty.

ADDITIONAL FEATURES INCLUDED:

Air Conditioner
Ash Tray
Auto Shutdown
Block Heater, 1000 Watt
(2) Dash mounted cigar lighter
Cruise control
Front Tow Hooks
Intermittent speed wipers
Interior map light
Mirrors 8" convex
Mirrors rectangle flat with integral convex
Mirrors Motorized and heated west coast with 8. in. (203 mm) convex rectangle flat with integral convex
Particulate trap manual regen switch

element

Fuel Tank Capacity - 50 gal. (189 L)

Fuel Filter/Water Separator, spin on type

Exhaust – EPA 2013 Emissions with particulate trap.

Vertical L.H. behind cab.

DEF tank – 5 gallons

INSTRUMENTS:

Water temperature gauge, tachometer, hour meter, speedometer, engine oil pressure gauge, fuel gauge, dual air pressure, voltmeter and DEF tank gauge.

Power windows

Radio install package

Transmission shift control – push button

Visors, sun left and right

OPTIONAL EQUIPMENT AVAILABLE:

(Requires special order chassis that may affect lead times)

Radio AM/FM CD

Air ride suspension seats

Air Cleaner Restriction Indicator and gauge – in cab

Dual air horn

Exhaust rain cap

Air tank drain valves, D/V2 automatic

Battery disconnect with jump start

Batteries 1900 CCA

Cab painted color not Elgin white

Chassis extended warranty

Engine extended warranty

Transmission extended warranty-Allison

LED lighting

Daytime running lights

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 International 4300 ISB chassis specification for Crosswind

AXLES:

Front - 12,000 lbs. (5,454 kg), de-rated to 11,000 lbs. (4,989 kg) with 12,000 lbs. (5,454 kg) tapered leaf springs
Rear - Two speed 21,000 lbs. (9,525 kg) with 23,500 (10,454 kg) Tapered leaf springs
Ratio - 6.17/8.42:1
Gross Vehicle Weight Rated (GVWR) - 32,000 lbs. (15,000 kg)

BRAKES:

Service:

Type - Full air, Bendix ABS
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

Parking:

Type - Spring set, air release

CHASSIS:

Manufacturer: International
Model - 4300

Frame:

Type - Rail, High Strength 80,000 PSI,
Size - 10.250" x 3.092" x 0.375" (260.4mm x 78.5mm x 9.5mm)

DIMENSIONS: (with sweeper mounted)

Wheelbase - 177 in. (4496 mm)
Cab to axle - 110 in. (2794 mm)
Overall Length - 264 in. (6706 mm)
Overall Height - 108 in. (2743 mm) w/o beacon
Overall Width - 96 in. (2438 mm)
Dumping Clearance Height - 237 in. (6020 mm)
Turning Radius - 25ft. (7620 mm) (curb to curb)
Travel Speed - Meets all minimum Highway Speeds

ELECTRICAL SYSTEM:

Voltage - 12V
Alternator - 160 Amp.
Battery - Two (2) 12 Volt 1300 CCA Maintenance Free

ENGINE:

Manufacturer: Cummins
Model - ISB
Configuration: Inline 6
Displacement - 408 cu. in. (6.7L)
Horsepower - 200 (179 kW) @ 2400 RPM
Torque - 520 lb. ft. (840 Nm) @ 1600 RPM
Oil Filter - Full-flow, drop-in cartridge type
Oil Capacity - 15 qt. (14 L) with filter
Air Cleaner - High Capacity dry type with safety element & restriction indicator
Fuel Tank Capacity - 50 gal. (189 L)
Fuel Filter

WARNING LIGHTS AND CHIME:

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

SEATS:

Two (2) single, high back black nylon cloth

STEERING:

Type - Full power hydraulic
Size - 18 in. (450 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 (14 ply rating)

ADDITIONAL FEATURES INCLUDED:

Convex Mirrors (L & R) 8 in. (203 mm) mounted below west coast mirrors
Right Hand Fender mounted 8 in. convex mirror
Dual Steering
Radio install package
Daytime running lights
Air Conditioner
Viscous Fan
Tinted Glass—All Windows
Engine Hour Meter
Electric Horn
Electric Windshield washers with delay
Cruise Control
Auto Shutdown
Bendix air dryer w/heater
Premium coolant hoses with constant tension clamps 1000
Watt Block Heater Dual Cup
Holders
Front Tow Hooks

OPTIONAL EQUIPMENT AVAILABLE:

AM/FM Radio CD
Fender mount LH convex mirror In-
cab air filter restriction indicator
Battery disconnect
Triangle flare kit 12"
convex mirrors

NOTE: These specifications are subject to change without notice.

INSTRUMENTS (Dual Operating Positions):

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

EXHAUST: - EPA 2010 emissions, on board diagnostics (ODB), with particulate trap and vertical tailpipe behind cab.

WARNING LIGHTS:

Battery, Parking Brake



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

2016 Freightliner M2 chassis specification for Crosswind

AXLES:

Front - 12,000 lbs. with 12,000 lbs. (5443 kg) springs
 Rear - Two speed 21,000 lbs. (9525 kg) with 23,000lbs (10,432 kg) taper leaf springs with auxiliary leaf spring for stability.
 Ratio - 6.17/8.40
 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

Parking:

Type - Spring set, air release

CHASSIS:

Manufacturer: Freightliner
 Model - M2

Frame:

Type - Rail, High Strength 80,000 PSI, 15.9 section modulus
 Size - 10.1 in. x 3.4 in. x 0.28 in. (26 cm x 8.64 cm x 0.711 cm)

DIMENSIONS: (with sweeper mounted)

Wheelbase - 172 in. (4369 mm)
 Cab to axle - 106 in. (2692 mm) usable
 Overall Length - 260 in. (6604 mm)
 Overall Height - 110 in. (2743 mm) w/o beacon
 Overall Width - 96 in. (2438 mm)
 Dumping Clearance Height - 236 in. (5994 mm)
 Turning Radius - 22'6". (6858 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 6.7 200
 Cylinders - In-Line 6
 Displacement - 409 cu. in. (6.7 L)
 Horsepower - 200 (150 kW) @ 2300 RPM
 Torque - 520 lb. ft. (708 Nm) @ 1600 RPM
 Oil Filter - Full-flow, spin on type
 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

WARNING LIGHTS AND CHIME:

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

SEATS:

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

DUAL STEERING:

Type - Full power hydraulic
 Size - 18 in. (457 mm) diameter steering wheel with fixed 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 (14 ply rating)

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
 Bendix air dryer w/heater
 750 watt block heater Dual
 cup holders
 12 Volt Power Supply
 Front Tow Hooks

OPTIONAL EQUIPMENT AVAILABLE:

AM/FM Radio CD 12"
 Fender mount convex mirrors In-
 cab air filter restriction indicator
 Daytime running lights

INSTRUMENTS (Dual Operating Positions):

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

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

WARNING LIGHTS:

Battery, Parking Brake

NOTE: These specifications are subject to change without notice.



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2017 Peterbilt 220 DUAL steer chassis specification for Crosswind

AXLES:

Front - 12,000 lbs., with 12,000 lbs. (5,454 kg) taper leaf springs
Rear - 21,000 lbs., with 21,000 (9,545 kg) taper leaf springs.
Ratio - (7.17:1)
Gross Vehicle Weight Rated (GVWR) - 33,000 lbs. (15,000 kg)

BRAKES:

Service:

Type - Full air, WABCO EBS with Anti-Lock Brakes
Front - 15 in. x 5 in. (381 mm x 127 mm) drum
Rear - 16.5 in. x 7 in. (419 mm x 178 mm) drum
Compressor Capacity - 18.7 CFM
Air Dryer - WABCO SS1200 Plus Air Dryer w/ coalescing filter
Auto slack adjusters, front and rear

Parking:

Type - Spring set, air release

CHASSIS:

Manufacturer: Peterbilt
Model - Peterbilt 220, Euro 6, w/ Clear Rail Package

Frame:

Type - Rail, High Strength, 120,000 PSI, 1.4 M RBM
Size - 10.23 in. x 3.5 in. x 0.25 in. (260 mm x 90 mm x 6.35 mm)

DIMENSIONS: (with sweeper mounted)

Wheelbase - 156 in. (3962 mm)
Cab to axle - 145 in. (3683 mm) usable
Overall Length - 251 in. (6375 mm)
Overall Height - 110 in. (2794 mm) Top of cab
Overall Width - 96 in. (2438 mm)
Dumping Clearance Height - 236 in. (5994 mm)
Turning Radius - 22ft. 6 in. (6858 mm) curb-to-curb
Travel Speed - 67 MPH

ELECTRICAL SYSTEM:

Voltage - 12V
Alternator - 160 Amp.
Battery - Two (2) 12 Volt (Total 1400 CCA) Maintenance Free

ENGINE:

Manufacturer: PACCAR
Model - PX-7 6.7L
Cylinders - In-Line 6
Displacement - 402 cu.in. (6.7 L)
Horsepower - 220 @ 2400 RPM
Torque - 520 lb. ft. @ 1600 RPM
Oil Filter - Full-flow, spin on type
Oil Capacity - 18 qt. (17 L) with filter
Air Cleaner - 13" Single stage, dry type w/ safety element
Fuel Tank Capacity - 50 gal. (189 L)
Fuel Filter/Water Separator, spin on type
12 V Starter

WARNING LIGHTS and CHIMES:

ABS warning light
Air Cleaner Restriction Indicator - remote mounted
Battery low light
Low fuel level warning light
Cab latch light
Engine cover latch light
Engine control system warning light and buzzer
Engine Stop light
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 and buzzer
Parking brake indicator light
Turn signal indicator lights
Transmission temperature warning light

SEATS:

RH - High back, air ride suspension, cloth covered
LH - High back, air ride suspension, cloth covered

DUAL STEERING:

Type - Full power hydraulic, Tilt column
Size - 18" diameter
RH OEM Complete Gauge Package
LH Complete Gauge Package

TRANSMISSION:

Allison 2500RDS 6-speed automatic

WHEELS:

Front & Rear - 22.5 in. x 8.25 in. (572 mm x 191 mm) stud pilot steel disc

TIRES:

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

WARRANTY:

Basic Vehicle 12 months, unlimited miles, parts & labor
PX-7 engine 24 months, unlimited miles, parts & labor
Refer to Peterbilt Warranty policy for more information regarding major components, corrosion, cab and frame.

ADDITIONAL FEATURES INCLUDED:

Air Conditioner
Ash Tray
Auto Shutdown
Grid heater (oil) - 350 W
Immersion (coolant) Type Pre-Heater, 1500 W
(1) Dash mounted cigar lighter
(1) Panel mounted 12 V power supply
Cruise control

EXHAUST: - EPA 2013 emissions with on-board diagnostics (OBD), diesel particulate filter (DPF), selective catalytic reduction (SCR), 8.4 gallon diesel emission fluid (DEF) tank and L.H. vertical tailpipe behind cab.

INSTRUMENTS:

RH instruments include; water temperature gauge, tachometer, odometer, trip odometer, hour meter, speedometer, fuel gauge, dual air pressure, DEF tank gauge, and Driver Performance Assistant (DPA) – helps with DPF and regeneration – and displays time, alarm clock, ambient temperature, turbo pressure, fuel economy, eco-performance, and service advisor.

LH instruments include; water temperature gauge, tachometer, odometer, speedometer, fuel gauge, dual air pressure, DEF tank gauge, and voltage gauge.

Front Tow Pins
Intermittent speed wipers
Interior map light
Mirrors Motorized and heated west coast with 8. in. (203 mm) convex rectangle flat with integral convex
Particulate trap manual regen switch
Power windows
AM/FM, WB, USB and MP3 Radio
Transmission shift control – push button
Visors, sun Left and Right
Curved Tip Standpipe
Battery Disconnect Switch mounted on battery box
Viscous Type Fan Clutch
High Air Intake
Steel Bumper
Rear Wall Storage
Fog/Driving Lights
Daytime Running Lights
Dash mounted Map Pocket

OPTIONAL EQUIPMENT AVAILABLE:

(Requires special order chassis that may affect lead times)
Cab painted color not Elgin white
Chassis extended warranty
Engine extended warranty
Transmission extended warranty-Allison

NOTE: These specifications are subject to change without notice.



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ELGIN®

Subsidiary of Federal Signal Corporation

Crosswind®



CROSSWIND® – RELIABLE, VERSATILE REGENERATIVE AIR SWEEPER

Searching for a reliable, versatile, regenerative air sweeper? Elgin Sweeper Company has the answer. The Elgin Crosswind combines superior performance with a low-maintenance, simplified design. The wide sweeping path is suited for municipalities, contractors, airport applications and general maintenance sweeping. From the high performance sweep system to the user-friendly controls, the Crosswind has been designed and manufactured to the exacting quality standards that have made Elgin a leading sweeper manufacturer. Thanks to a worldwide factory-trained dealer network, you can be sure of complete satisfaction on delivery and far down the road.



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

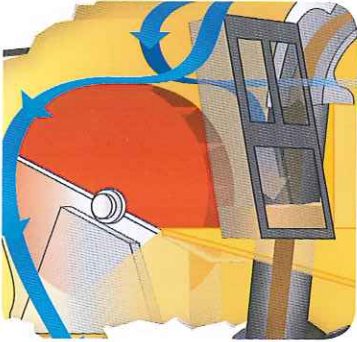
Elgin Sweepers are built for clean, backed for life. Throughout the life of the sweeper, we offer training to your team on proper use and maintenance. We have a world-wide network of experienced dealers with factory trained technicians and a local stock of OEM parts and accessories, to ensure total customer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

UNMATCHED QUALITY

The Crosswind was introduced nearly 30 years ago and has been continuously improved in design and production. Elgin sweepers are manufactured in an ISO:9001 certified manufacturing plant. Products are painted prior to assembly and quality tested. Elgin Crosswinds are proudly assembled in the U.S.A. using only the finest materials.

POWERFUL CLEANING SYSTEM

How well a street sweeper picks up material is determined by its overall design. The air conveyance, sweeping, dust suppression, and maintenance systems must work together as an integrated cleaning system to achieve maximum sweeping performance.



HIGHLY EFFICIENT AIR CONVEYANCE SYSTEM

Efficient air flow, including a superior vacuum source and air routing path, is at the heart of the Crosswind.

- High volume air flow at high velocity results in exceptional one-pass pickup while eliminating plugging that can occur in similar type sweepers.
- A nine-vane closed face turbine fan is powered by a turbo-charged diesel auxiliary engine for maximum airflow.
- A centrifugal dust separator minimizes pressure loss and maximizes sweep performance and fan life.



HIGH PRODUCTIVITY SWEEP SYSTEM

The sweep path picks up debris close to the curb and across a wide area.

- A 90 in. (2286 mm) wide pick-up head and dual hydraulically driven, 42 in. (1067 mm) side brooms provide a 12 ft. (3658 mm) wide sweep path.
- Work with brooms fully extended or add the optional full broom retract feature for powerful scrubbing action in front of the pick-up head.
- An optional center broom provides added digging power for compacted debris.
- A 12 ¾ in. (324 mm) diameter suction hose accepts large debris. Quick disconnect allows operator to inspect and clean hose and intake tube without raising hopper.
- The vacuum enhancer/leaf bleeder facilitates sweeping under light and bulky debris conditions.

ECOINFUSED® SHAREDPOWER TECHNOLOGY

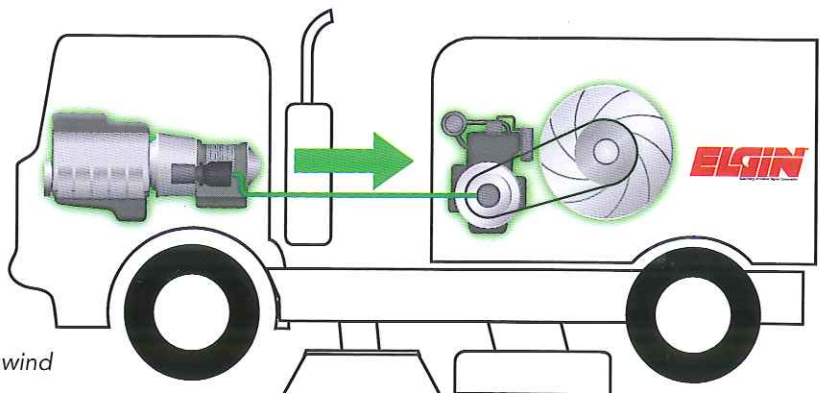
The Crosswind's patented shared power system is a Tier 4F compliant solution that delivers proven performance, increased fuel efficiency, reduced emissions and lower noise levels at engine-rated speeds.

- The system was developed to share chassis power when using a 74 hp auxiliary engine to ensure maintenance of outstanding sweep performance while providing a simple emission compliant solution that doesn't involve complex, higher maintenance, and expensive exhaust after treatment devices.
- Typically the chassis engine is underutilized while sweeping. EcoInfused SharedPower technology taps into that unused potential and allows power to be hydraulically transferred to and shared with the auxiliary engine.
- Power can also come from regenerative braking. Using a transmission mounted PTO, energy normally lost to vehicle momentum while sweeping on downhill grades or coasting can be reclaimed and immediately applied back into the sweeper system.



EcoInfused
Technology
SharedPower

To see an animation on how the SharedPower system works, scan the QR code or visit:
elginsweeper.com/Products/AirSweepers/Crosswind



THE ELGIN CROSSWIND



COMPACT DESIGN

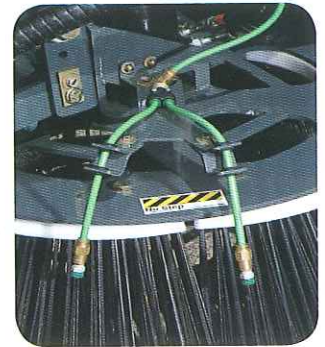
The sweeper mounts on conventional or cab-over chassis with short wheelbases, enabling a tight turning radius for better reach in cul-de-sac sweeping, and greater maneuverability around tight corners. The standard auto pickup in reverse allows for quick change of sweeping locations.

HIGH-PERFORMANCE SWEEPER ENGINE

The heavy-duty John Deere 4045T diesel engine provides exceptional power and extended service life. Auto shut-down of engine functions comes standard. The latest EPA Tier 4F and CARB emission compliant packages are now standard.

HIGH CAPACITY/EFFICIENT LOADING

The 8 cu. yard (6 m³) capacity hopper provides extended sweeping time. Abrasion-resistant steel inlet deflector directs debris flow to the center of the hopper, ensuring even, efficient material loading for maximum capacity utilization. A traditional tilting hopper 50 degree dump angle and drop down hopper screens make the Crosswind easy to clean.



SUPERIOR DUST SUPPRESSION

Proper use of water is essential for dust suppression, sweeping performance and longevity of sweeper components providing protection from abrasive materials. Two heavy-duty water pumps, one for the pick-up head and suction hose and one for the side brooms are easy to access and capable of run-dry operation. The durable 240 gallon (908 l) polyethylene water tank is removable for service. Ample water is provided by 16 high-quality, agricultural-grade water nozzles (standard) all in easy to access locations. High/low selectable pump speeds allow for application dependent dust suppression.

UNIQUE TRAILING ARM SIDE BROOMS

Trailing arms provide special 4-way action to closely follow road contours, provide inward motion safety for obstacles, and maintain a consistent broom angle even as the broom starts to wear. Digging pressure is adjustable in-cab. Brooms can be extended outward for maximum sweep path. The optional full broom retract feature allows for scrubbing action directly in front of the pick-up head.



SIMPLE, EASY – ACCESS MAINTENANCE

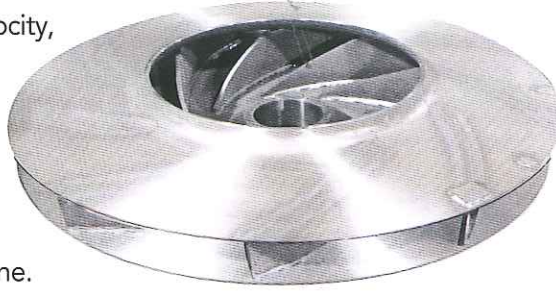
The Crosswind is designed so that systems are accessible and easy to service. Large access doors allow for quick and easy inspection of the auxiliary engine, electrical, water and hydraulic systems without tilting the hopper. The engine oil and pneumatic pressure can be checked, hydraulic filter changes and the fan bearings greased. The hydraulic system with o-ring 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 trouble shooting.



SUPERIOR REGENERATIVE AIR SWEEPER DESIGN

POWERFUL BLOWER

The Crosswind features a high velocity, 9-vane closed face turbine fan with a rubber-lined housing for extended life. The vanes are constructed from Hardox® brand steel for durability. A secure, multiple V-groove power belt adjusts without repositioning engine.



ERGONOMIC CONTROLS

The Crosswind's centrally-mounted console features rocker switches for all sweep functions and complete gauges (auxiliary engine coolant temperature, oil pressure, charging voltage, fuel level, engine hour meter, engine RPM) for quick review of system conditions. Side broom down pressure controls and automotive-style fuses further enhance ease of operation and maintenance. A back up camera and alarm are standard for increased operational awareness and safety.



MEMORY SWEEP®

Elgin's optional Memory Sweep® system allows the operator to resume all previous sweep settings, even broom tilt (if so equipped), with one touch control. This feature enhances productivity and reduces fatigue. Memory Sweep incorporates a multi-screen display that indicates system diagnostics as well as optional features such as broom tilt angle, vacuum enhancer position, and broom hours.



APPLICATION-SPECIFIC CONFIGURATIONS

CROSSWIND CNG POWERED

Environmentally Sound, Clean Burning Alternative Fuel Option

The Crosswind is available powered by compressed natural gas (CNG). The alternative fueled dual engine Crosswind is mounted on a commercial conventional or cab-over chassis powered by a Cummins Westport ISL-G engine. The sweeper is powered by a General Motors 5.7 L V8 engine which allows for excellent fuel economy with an impressive power to weight ratio. The engines share four 3600 psi composite reinforced cylinder fuel tanks with a 60 DGE capacity.



CROSSWIND FSX™

Top Performance On and Off the Runway

If you need top performance for airport applications, the Crosswind FSX is for you. With a unique pickup head, at 15 mph (24 km/h) the FSX can sweep 950,000 sq. ft. (88,255 sq. m) of runway per hour, and sweeps tarmac, gate areas and access roadways at slower speeds. Results are tested and proven.

Special options are available including: poly side brooms, a high-performance cast aluminum side air blast nozzle, pick-up head casters, and a heavy duty magnet mounted to front bumper.

CROSSWIND GRS

Glycol Recovery Sweeper

The Crosswind GRS is ideal for sweeping debris and removing environmentally damaging glycol and other deicing fluid runoff on runways and gate locations. The GRS does not require any modifications when switching from sweeping debris to glycol removal in snow and ice conditions.

The system features a blower enhanced with a flow blocker system to allow for quick glycol unloading. Specially designed baffles in the hopper help reduce liquid slosh without impeding sweeping or dumping operations. The hopper capacity is 750 gal (2839 L).

CROSSWIND SPECIALTY TRACK SWEEPER

Racetrack Cleaning and Drying

The Crosswind Specialty Track Sweeper was engineered with input from racetrack officials. It includes features for racetrack sweeping and maintenance, including a hydraulically-driven, plastic bristle side broom on one side and a high-performance cast aluminum air blast nozzle on the other. The Track Sweeper can clean a wide, 117 in (2972 mm) path with its side broom and pickup head. Its side air blast nozzle can blow debris off the track for distances up to 50 ft (15.24 m).

The Track Sweeper quickly and efficiently removes standing water, rubber, and debris from in and around the pit area for the overall safety of the racers, their crews, and spectators. It features an internal dust-suppression system to reduce airborne dust and prevent water from being applied directly to the racing surface.



OPTIONAL ENHANCEMENTS



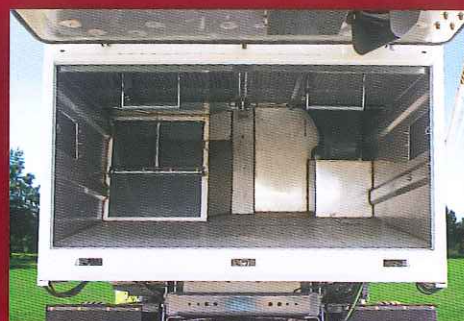
WANDERING HOSE

The versatile, hydraulic-assist hose gets into hard to reach places and is effective in catch basin cleaning. It handles multiple tubes for especially deep catch basin cleaning.



LIFELINER® HOPPER SYSTEM

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



STAINLESS STEEL HOPPER SYSTEM

This complete hopper body is constructed entirely of 304 grade stainless steel to provide maximum service life, even in the most corrosive applications.

ADDITIONAL OPTIONS:

- Center broom
- Memory Sweep®
- Side broom tilt
- High pressure washdown/
high pressure pump
- Front spray bar
- Hopper deluge
- Auxiliary hydraulic pump
- PM-10 compliant
- Full side broom retract
- In-cab hopper dump
- Variable speed side brooms
- Full-width magnet
- Rotating beacon
- Auxiliary lighting packages
- In-cab control for vacuum enhancer
- Broom hour meter
- Additional water:
140 gal. (530L), 280 gal
(1060L), 360 gal. (1363L)
- R or L inspection door
- Cast aluminum side air blast
- Enhanced water control

SPECIFICATIONS:

SWEEP SYSTEM

High performance regenerative air
Sweeping path: 12 ft. (3658 mm)
Side brooms: 42 in. (1067 mm)

PICK-UP HEAD

High flow with pressure and
vacuum chamber
2700 sq. in. (17,450 sq. cm.)
Pressure hose diameter:
14 in. (356 mm)
Suction hose diameter:
12 3/4 in. (324 mm)

AUXILIARY ENGINE

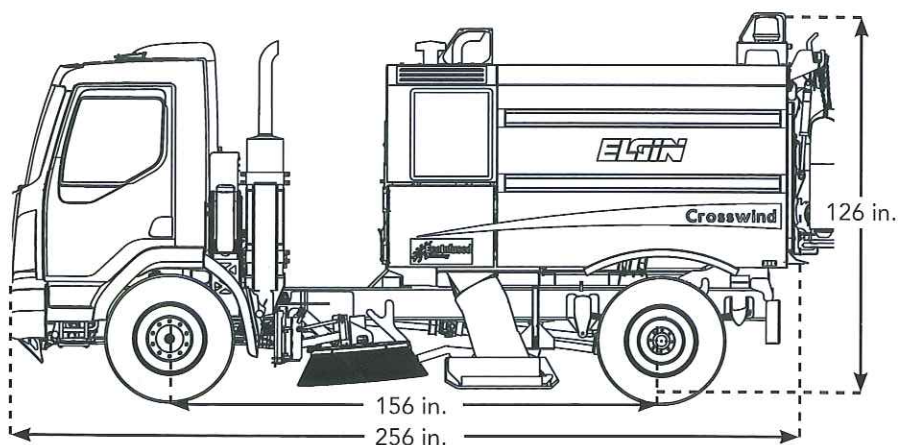
John Deere 4045T
Tier 4F low emission diesel
*Tier 2 & 3 for export only

CHASSIS

Choice of conventional or
cab-over chassis

TRAVEL SPEED

Highway speeds



*Consult factory for warranty details

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 Crosswind sweeper with a one-year limited warranty. The Crosswind 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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Crosswind® SharedPower Quick Reference Guide



What?

- EPA Tier 4 Final & CARB compliant Crosswind, with patented Shared Power system, featuring Ecolnfused™ technology.



Why?

- Innovative & cost-effective solution for compliance.
- Minimize aftertreatment complexity.

How?

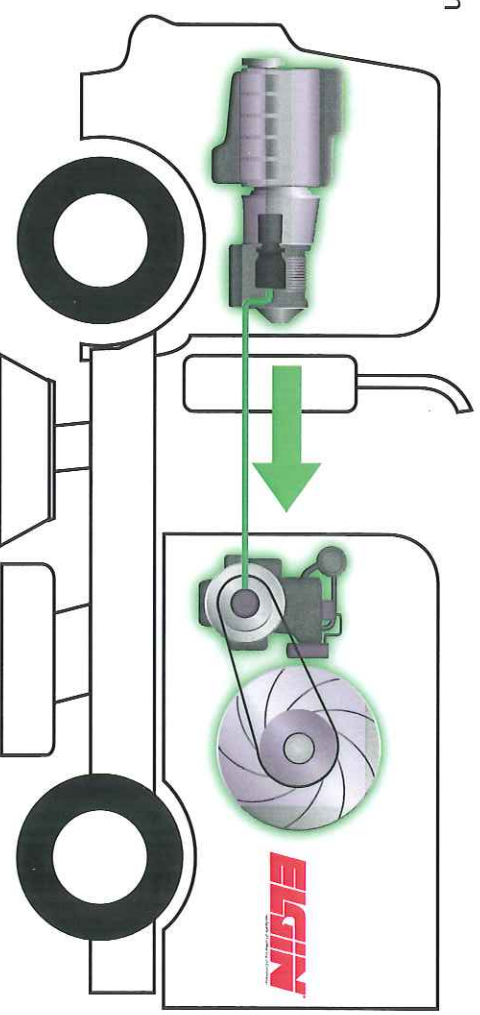
- John Deere auxiliary engine, combined with patented Shared Power system, boosts the sweeper fan system providing same sweep performance.

Why it Matters?

- Proven Technology.
- Promote leadership role in the market with Tier 4F; several years of experience with similar emission systems.
- Changing the horsepower orthodoxy; use more horsepower from the chassis engine.

Key Features:

- Ease-of-use; one rocker switch to engage
- Transparent operation
- Improves sweeper diesel fuel economy by 16%*
- Reduces sweeper CO2 footprint by 16.8 ton*
- All steel engine enclosure reduces noise pollution - Quiet-Pak™
- Regenerative braking; immediate reclaiming of power for usage back into the sweeper system
- Ecolnfused Technology – environmentally friendly
- Patented – U.S. Patent #9,010,467



*Based on ESG testing; dependent on individual operation and customer application

Elgin® Crosswind® Quiet-Pak™ and Ecolnfused® are registered trademarks of Elgin Sweeper Company.
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To see an animation on how the SharedPower system works, scan the QR code or visit:

elginsweeper.com/Products/AirSweepers/Crosswind