

DATE SUBMITTED _____
 SUBMITTED BY PUBLIC SERVICES
 DATE ACTION REQUIRED 7/16/25

COUNCIL ACTION
 PUBLIC HEARING REQUIRED
 RESOLUTION
 ORDINANCE 1ST READING
 ORDINANCE 2ND READING
 CITY CLERK'S INITIALS

**IMPERIAL CITY COUNCIL
 AGENDA ITEM**

SUBJECT: DISCUSSION/ACTION: 1. Consideration to Purchase Street Sweeper for In-House Street Sweeping Services	
DEPARTMENT INVOLVED: Public Services	
BACKGROUND/SUMMARY: <small>City staff solicited proposals for a new diesel power street sweeper with a stainless steel hopper. Efforts were made to make a fair comparison. The sweeper would be procured through the Sourcwell Program that is available to government agencies to ensure the best purchase prices available. The city received two proposals.</small> Haaker Elgin RegenX Sweeper: \$405,454.63 Six year lease ann. percentage rate: 6.50% Estimated annual Payment: \$85,819.76 Tymco Model 600 Sweeper: \$402,489.35 Six year lease ann. percentage rate: 4.60% Estimated annual Payment: \$74,843.16 <small>Both sweepers meet the City's operational requirements and are comparable in performance and maintenance support. While the Haaker/Elgin RegenX proposal offers a quality product, the Tymco Model 600 Sweeper provides a slightly lower purchase price and more favorable financing terms. Over the course of the lease period, the lower interest rate offered by Tymco will result in noticeable cost savings. Transitioning street sweeping services in-house provides the City with greater control over scheduling, quality, and response to community needs. Internal analysis indicates that, even with equipment and staffing costs, in-house operations would be cost competitive with current and projected contract service rates, particularly over the long term.</small> <small>If the city determines that financing through a six-year lease is the appropriate action, the Tymco Model 600 Sweeper is recommended due to the lower financing costs. There is a 10-12 month lead time after the sweeper is ordered.</small> ALTERNATIVES: Lease-to-own vs. outright purchase. Approve purchase of the Haaker Elgin RegenX Sweeper. Maintain current contracted street sweeping services. Direct staff to conduct further evaluation or request new equipment proposals.	
FISCAL IMPACT: <small>\$74,843.16 is the estimated annual lease payment for six years (the final annual interest rate is dependent on current rates and will be known at the time of purchase). At the end of the lease, the street sweeper will be owned by the city. There are no lease document fees and no prepayment penalties with the Tymco option. The average annual estimate for the six years on normal replacement parts for \$8,937.00. The annual estimate for labor to replace said parts is \$10,000. The annual estimate for diesel fuel is \$7,000. The city's estimated average annual cost is \$100,000 per year for the next six years, not including the city's cost for the labor to operate the sweeper. The current annual cost for street sweeping services from an outside contractor is currently \$178,000 and is expected to increase each year for the next six years.</small>	FINANCE INITIALS <u>NMS</u>
STAFF RECOMMENDATION: <small>Staff recommends that the City Council authorize the purchase of a street sweeper and transition street sweeping services from contracted to in-house operations. Staff further recommends selecting the Tymco Model 600 Sweeper based on cost-effectiveness and favorable financing terms. The lead time is approximately 10-12 months, which coincides with the expiration of the current sweeping contract.</small>	DEPT. INITIALS <u>DD</u>
MANAGER'S RECOMMENDATION: <i>Approve to add upon staff recommendation for 6 yr lease</i>	CITY MANAGER'S INITIALS <u>Atton</u>
MOTION: SECONDED: APPROVED <input type="checkbox"/> REJECTED <input type="checkbox"/> AYES: DISAPPROVED <input type="checkbox"/> DEFERRED <input type="checkbox"/> NAYES: ABSENT: REFERRED TO:	



July 16, 2025

Dear Honorable Councilmembers:

Requested Action:

Consideration to Purchase Street Sweeper for In-House Street Sweeping Services

Background:

City staff solicited proposals for a new diesel power street sweeper with a stainless steel hopper. Efforts were made to make a fair comparison. The sweeper would be procured through the Sourcwell Program, which is available to government agencies to ensure the best purchase prices available. The city received two proposals:

Haaker Elgin RegenX Sweeper:

\$405,454.63 Six-year lease ann. percentage rate: 6.50% Estimated annual Payment: \$85,819.76

Tymco Model 600 Sweeper:

\$402,489.35 Six-year lease ann. percentage rate: 4.60% Estimated annual Payment: \$74,843.16

Both sweepers meet the City's operational requirements and are comparable in performance and maintenance support. While the Haaker/Elgin RegenX proposal offers a quality product, the Tymco Model 600 Sweeper provides a slightly lower purchase price and more favorable financing terms. Over the course of the lease period, the lower interest rate offered by Tymco will result in noticeable cost savings. Transitioning street sweeping services in-house provides the city with greater control over scheduling, quality, and response to community needs. Internal analysis indicates that, even with equipment and staffing costs, in-house operations would be cost-competitive with current and projected contract service rates, particularly over the long term.

If the city determines that financing through a six-year lease is the appropriate action, the Tymco Model 600 Sweeper is recommended due to the lower financing costs. There is a 10-12 month lead time after the sweeper is ordered.

ALTERNATIVES:

Lease-to-own vs. outright purchase.

Approve purchase of the Haaker Elgin RegenX Sweeper.

Maintain current contracted street sweeping services.
Direct staff to conduct further evaluation or request new equipment proposals.

Fiscal Impact:

\$74,843.16 is the estimated annual lease payment for six years (the final annual interest rate is dependent on current rates and will be known at the time of purchase). At the end of the lease, the street sweeper will be owned by the city. There are no lease document fees and no prepayment penalties with the Tymco option. The average annual estimate for the six years is for normal replacement parts of \$8,937.00. The annual estimate for labor to replace said parts is \$10,000. The annual estimate for diesel fuel is \$7,000. The city's estimated average annual cost is \$100,000 per year for the next six years, not including the city's cost for the labor to operate the sweeper. The current annual cost for street sweeping services from an outside contractor is \$178,000 and is expected to increase each year for the next six years.

Staff Recommendation:

Staff recommends that the City Council authorize the purchase of a street sweeper and transition street sweeping services from contracted to in-house operations. Staff further recommends selecting the Tymco Model 600 Sweeper based on cost-effectiveness and favorable financing terms. The lead time is approximately 10-12 months, which coincides with the expiration of the current sweeping contract.

Attachments:

- Tymco Sourcewell Quote
- Haaker Equipment Quote
- Tymco Cost of Operation Estimate
- Tymco Municipal Lease Information
- Tymco General Specifications
- Tymco Regenerative Air System Description
- Haaker RegenX Brochure
- Tymco 600 Brochure
- Tymco water consumption table
- 2023 Cummins 6.7 liter and Deer 4.5 liter Diesel CARB certification
- Tymco Warranty Information

Sourcewell Quote Form v2.0A - Sourcewell Contract #111522-TYM
Feb. 2, 2023 - Feb. 3, 2027



Customer / Sourcewell Member: City of Imperial, CA
Sourcewell Member #: 105069
Quote Date: 6/4/2025
Quote Validity: 30 Days
Quoted By: Kaye Morgan
TYMCO Dealer: Mar-Co Equipment
TYMCO Dealer Contact: Neil Feinberg

**Purchasing Details: Issue Purchase Orders to TYMCO, Inc., ATTN: Kaye Morgan
(kaye.morgan@tymco.com | 254-799-5546).**

Quote is Good for 30 Days (Unless Otherwise Noted Above) | Pricing is Quoted in US Dollars (USD) | Payment Terms: Net 30 Days

****PRICING NOTE****

Sweeper and chassis are quoted using current pricing. Due to the current market situation, all cost increases for major components, and government mandated requirements, tariff surcharges, tariffs, and raw material surcharges may be added should they apply.

MODEL 600® SWEEPER STANDARD EQUIPMENT

Auxiliary Engine: John Deere diesel turbocharged 4045T Final Tier 4; 4 cylinder; 4.5 L (275 CID); 99 HP @ 2200 RPM; Torque 315 ft. lb. @ 1600 RPM; fuel/water separator, fuel filter; Donaldson PowerCore® air filter with scavenged pre-filter; Remote oil filter; 3.8 useable gallon Diesel Exhaust Fluid (DEF) tank. Includes John Deere Standard Warranty coverage 2 Years / **Amber Beacon Light - LED:** SAE Class 1/California Title 13 compliant with protective limb guard.

Auxiliary Engine In-Cab Air Filter Restriction Indicator with Gauge: A filter restriction gauge included on the in-cab BlueLogic display with an audio and visual high restriction indicator.

Auxiliary Engine Protection System: Engine ECU to provide automatic engine monitoring with derate or shutdown when engine problem is detected such as high coolant temperature or low oil pressure.

Auxiliary Fuse Panel: A 12V DC fused power source panel for any needed additional electrical components or accessories, i.e. radios, warning lights, controls, etc.

Back-Up Alarm: ECCO Model 510; SAE Type C 97dB

BlueLogic® Control System: Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in-cab controls to the auxiliary engine and all sweeper functions; as well as provides intelligent safety features. The BlueLogic Control System provides sweeper and auxiliary engine data to the operator through the touchscreen display and the multiplexed switch pack. The display is pedestal mounted for improved visibility and includes hour meters (Trip and Total) for the auxiliary engine, gutter brooms, pick-up head, blower, water pump, and BAH broom if applicable; sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, dust control system winterization guide and On-Board Diagnostics (OBD) for the auxiliary engine and sweeper.

Duo Skids: Warranted for 2 Years / 2000 hours prorated

Dust Control System: 220 gallon capacity polyethylene water tank (Extra Water capacities available); 5 gpm electric diaphragm type pump; low water audible alarm and message on BlueLogic display; external water level indicator; spray nozzles around pick-up head, gutter broom(s) and inside hopper. Peterbilt 156", Autocar 152" Diesel and Autocar 171" CNG chassis REQUIRES Extra Water Capacity (Refer to Dust Control Options Section).

Gutter Brooms, Twin; LED Floodlights and Parabolic Mirrors: Left and right side mounted 43" diameter wire filled digger type; adjustable LED floodlight for each gutter broom; 10.5" parabolic mirrors. Parabolic Mirrors N/A with Cabover Chassis.

High Capacity Dust Separator

Hydraulic System Protection: Hydraulic filter restriction indicator mounted in filter manifold; sight level gauge mounted on tank. BlueLogic control system continually monitors oil temperature.

LED Alternating Warning Light Set: Rear mounted oval lights (2).

LED Stop/Turn/Tail/Clearance Lights

Pressure Bleeder: Air pressure is deflected out, allowing additional suction across the front of pick-up head.

Rear Mounted LED Floodlights (2)

Rear View Camera System: 3rd Eye®, heavy duty rear infrared camera with 7" color monitor mounted in cab

Reverse Pick-Up Head System: Assists in backing up with Pick-Up Head down

Rubber Lined Blower: Warranty: 1 year / 1,000 hours prorated

Water Fill Hose & Rack: Flexible 20 foot long water tank fill hose with 2-1/2 inch hydrant coupling with rack mount. System incorporates air gap.

Work Platform: Easily accessible work platform located between truck cab and sweeper. Standard equipment with conventional chassis with 165" WB and horizontal exhaust. Not available with Extra Water Capacity or Chassis Vertical Exhaust.

Sweeper Warranty: 1 Year / 1000 Hours. Contact factory for details.

Section / Type	Qty	Model 600® Sweeper and Cab/Chassis Equipment	Sourcewell Price	Sourcewell Ext (Includes 5% Discount)
600000	1	Model 600® Sweeper with Standard Equipment (Base Price)	\$196,443.00	\$186,620.00
1	AUXILIARY ENGINE HYDRAULIC OPTIONS:			
600053	1	Auxiliary Hydraulic System	\$1,232.00	\$1,170.00
Unpublished	1	Hydraulic Oil Level Shutdown System	\$422.00	\$400.00
2	GUTTER BROOM OPTIONS:			
600081	1	Gutter Broom Drop Down: Right	\$900.00	\$855.00
600081	1	Gutter Broom Drop Down: Left	\$900.00	\$855.00
600022	1	Gutter Broom Tilt Adjuster: Right	\$900.00	\$855.00
600022	1	Gutter Broom Tilt Adjuster: Left	\$900.00	\$855.00
600070	1	Gutter Broom Variable Speed: Right and Left	\$853.00	\$810.00
3	DUST CONTROL SYSTEM OPTIONS:			
600004	1	A.O.D. (Air Operated Diaphragm) Water Pump with Wash Down Hose & Gun (Exchange)	\$2,227.00	\$2,115.00
600021	1	Extra Water Capacity - 330 Gallons: COMDEX®	\$5,022.00	\$4,770.00
Unpublished	1	Front Bumper Spray Bar	\$632.00	\$600.00
Unpublished	1	Hydrant Wrench	\$53.00	\$50.00
600077	1	Low Emissions Package *South Coast AQMD Rule 1186 Compliant	\$1,706.00	\$1,620.00
4	HOPPER OPTIONS:			
600036	1	Abrasion Protection Package	\$1,090.00	\$1,035.00
600084	1	Dump Switch in Cab	\$237.00	\$225.00
Unpublished	1	Hopper Suction Inlet Wear Flange with Liner	\$1,579.00	\$1,500.00
600043	1	Sweeper Deluge System	\$1,137.00	\$1,080.00
5	PICK-UP HEAD OPTIONS:			
601000	1	Broom Assist Pick-Up Head (Exchange)	\$5,543.00	\$5,265.00

Section / Type	Qty	Model 600® Sweeper and Cab/Chassis Equipment	Sourcewell Price	Sourcewell Ext (Includes 5% Discount)
600075	1	Linear Actuator w/Gauge - Pressure Bleeder	\$522.00	\$495.00
600063	1	Pick-Up Head Curtain Lifter	\$1,706.00	\$1,620.00
Unpublished	1	Pick-Up Head Pressure Inlet Water Injection System	\$1,895.00	\$1,800.00
Unpublished	1	Removable Front Curtain Set	\$264.00	\$250.00
Unpublished	1	Skid Bumper Extension Set (3")	\$264.00	\$250.00
6	AUXILIARY HAND HOSE OPTIONS:			
7	STAINLESS STEEL OPTIONS:			
600091	1	Stainless Steel Hopper (Exchange)	\$24,348.00	\$23,130.00
Unpublished	1	Stainless Steel Hopper Screen Upgrade: Stainless Steel Standard Screen (Split)	\$843.00	\$800.00
8	AIRPORT OPTIONS:			
9	SWEEPER ADDITIONAL OPTIONS:			
600008-B	1	Camera System - Standard Rear Camera and One Additional Camera	\$1,137.00	\$1,080.00
<i>Location: Pick-Up Head - Full Width</i>				
Unpublished	1	Sweeper Paint: TYMCO Standard White	\$0.00	\$0.00
10	UNPUBLISHED SPECIAL SWEEPER OPTIONS:			
Unpublished	1	Auto Sweep Assist (ASA)	\$2,632.00	\$2,500.00
Unpublished	1	Surcharge - Base Sweeper Unit	\$5,275.00	\$5,010.00
Section / Type	Qty	Model 600® Cab/Chassis Equipment	Sourcewell Price	Sourcewell Ext
11	CAB CHASSIS:			
600709	1	2025 Freightliner M2-106 PLUS, 33,000 lb. GVWR, 165" WB, Diesel (1-SPD) EPA *For Use in CARB 2 & EPA States Only	\$117,175.00	\$117,175.00
Unpublished	1	DEDUCT: 2024 Freightliner M2-106 Legacy, 33,000 lb. GVWR, 165" WB, Diesel (1-SPD) CARB *For Use in CARB 1, CARB 2 & EPA States	-\$8,500.00	-\$8,500.00
12	CHASSIS ADDITIONAL OPTIONS:			
Unpublished	1	Air Horn (Dual)	\$500.00	\$500.00
Unpublished	1	Battery Disconnect Switch	\$450.00	\$450.00
Unpublished	1	Fire Extinguisher	\$100.00	\$100.00
Unpublished	1	Hazard Reflectors	\$100.00	\$100.00
Unpublished	1	LED Alternating Warning Light Set: Front Grille	\$450.00	\$450.00
Unpublished	1	LED Amber Light Bar: Cab Mounted	\$1,800.00	\$1,800.00
Unpublished	1	LED Amber Traffic Directing Light: Rear Mounted	\$800.00	\$800.00
Unpublished	1	Slow Moving Vehicle Emblem	\$100.00	\$100.00
Unpublished	1	Truck Paint: Standard Factory White	\$0.00	\$0.00
13	UNPUBLISHED SPECIAL CHASSIS OPTIONS:			
Unpublished	1	LED Alternating Warning Lights - Mid-Ship	\$450.00	\$450.00
14	DEALER UNPUBLISHED OPTIONS:			
15	TOTAL COST OF ACQUISITION COSTS			
	1	Freight / PDI / Inservice	\$12,500.00	\$12,500.00
	1	CA Sales Tax (7.75%)	\$28,949.35	\$28,949.35

**Purchasing Details: Issue Purchase Orders to TYMCO, Inc., ATTN: Kaye Morgan
(kaye.morgan@tymco.com | 254-799-5546).**

Quote is Good for 30 Days (Unless Otherwise Noted Above) | Pricing is Quoted in US Dollars (USD) | Payment Terms: Net 30 Days

Total Price:	\$402,489.35
FOB:	Imperial, CA
Delivery ARO:	210-270 Days - See NOTE Below

Section / Type	Qty	Model 600® Sweeper and Cab/Chassis Equipment	Sourcewell Price	Sourcewell Ext (Includes 5% Discount)
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**Pricing Details: TYMCO, Inc. offers Sourcewell Members a 5% discount on all base sweeper models and sweeper options from the Sourcewell Price Catalog (Base + Items in Sections 1 through 10). Chassis, chassis options, dealer unpublished options and Total Cost of Acquisition Costs (Items in Sections 11 – 15) are not discountable. The Sourcewell Discount shown above is reflective of 5% of all applicable items on this quote.*

Notes 1.

Note: Delivery Subject to Truck Availability

2.

PRICING NOTE: Sweeper and chassis are quoted using current pricing. Due to the current market situation, all cost increases for major components, and government mandated requirements, tariff surcharges, tariffs, and raw material surcharges may be added should they apply.



Municipal Lease / Purchase Quote

Quote Date June 4th, 2025

Dealer Information

Dealer No.:	750200	Phone No.:	909-594-9493
Name:	MARCO Equipment	Fax No.:	909-594-7436
Address:	130 Atlantic St.	State:	CA
City:	Pomona	Zip Code:	91768
Contact:	Neil Feinberg		

Lessee Information

Name:	City of Imperial	Phone No.:	760-355-4371
Address:	420 South Imperial Ave.	Fax No.:	
City:	Imperial	State:	CA
Contact:		Zip Code:	92251
Title:			
Email:			

Equipment Information

Quantity: 1
 Model: 600BAH Stainless Steel
 Chassis: 2024 Freightliner M2-106
 Sourcewell Contract #111522-TYM pricing

Lease / Purchase Information

Purchase Price:	\$ 373,540.00	
State Sales Tax % (if any):	7.75%	(State sales tax not included unless shown)
Total Amount:	\$ 402,489.35	
Down Payment:	\$ -	
Amount Financed:	\$ 402,489.35	

	4 Year	5 Year	6 Year
Amount Financed:	\$ 402,489.35	\$ 402,489.35	\$ 402,489.35
Annual Percentage Rate:	4.40%	4.50%	4.60%
Number of Annual Payments:	4	5	6
Advance Payment:	\$ 107,211.66	\$ 87,735.61	\$ 74,843.16
Annual Payment:	\$ 107,211.66	\$ 87,735.61	\$ 74,843.16
Total Finance Charge:	\$ 26,357.29	\$ 36,188.70	\$ 46,569.61
Total Payments:	\$ 428,846.64	\$ 438,678.05	\$ 449,058.96

This quote is provided as a budgetary proposal. Actual financing is based on approved credit and acceptance of TYMCO's lease/purchase documents. Rates are subject to change. First payment is due on delivery of the sweeper and annually thereafter. No lease document fees and no prepayment penalties. This quote is nonbinding until the lease is signed by both parties.

Quote valid for 30 days from the quote date listed above.



9465 MISSION PARK PLACE, SANTEE, CALIFORNIA 92071
(619) 569-1946 ~ HAAKER.COM



**SOURCEWELL QUOTE
MAY 14, 2025**

TO: CITY OF IMPERIAL
420 S. IMPERIAL AVENUE
IMPERIAL, CA 92251

ATTN: MR. DAVID DALE, PE, PLS
(760) 355-3336
EMAIL: ddale@imperial.ca.gov

IN ACCORDANCE WITH YOUR REQUEST, WE ARE PLEASED TO SUBMIT THE FOLLOWING PROPOSAL FOR YOUR CONSIDERATION AND APPROVAL BASED ON THE *SOURCEWELL COOPERATIVE PURCHASING AGREEMENT - CONTRACT # 093021-ELG.*

ONE (1) NEW ELGIN REGENX SWEEPER

TIER 4F EMISSIONS, JOHN DEERE 4045 TURBOCHARGED DIESEL ENGINE, 8 CU. YARD TILTING HOPPER W/ 50 DEGREE DUMP ANGLE, RIGHT AND LEFT SIDE BROOMS, SWEEPER POWDER COATED FROM POWDER COATINGS CHART 2003/N WITH POWDER COATED GRAY UNDERCARRIAGE. MOUNTED ON A 2026 FREIGHTLINER M2 CHASSIS AND INCLUDES THE FEATURES LISTED BELOW:

STANDARD OPTIONS INCLUDED

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> CHASSIS PAINTED STANDARD WHITE <input type="checkbox"/> SWEEPER PARTS MANUAL <input type="checkbox"/> SWEEPER OPERATORS MANUAL <input type="checkbox"/> JOHN DEERE OPERATORS MANUAL <input type="checkbox"/> JOHN DEERE PARTS <input type="checkbox"/> BROOM MEASUREMENT RULER <input type="checkbox"/> MACHINE DELIVERY PACKET <input type="checkbox"/> ELGIN SAFETY MANUAL <input type="checkbox"/> AUTO SHUTDOWN, AUX. ENGINE: LOW OIL PRESSURE, HIGH COOLANT TEMP, HYDRAULIC OIL LEVEL, FUEL TEMP, INTAKE MANIFOLD AIR TEMP, WATER-IN-FUEL, VERY HIGH SOOT LOADING. <input type="checkbox"/> BACKUP ALARM, ELECTRIC <input type="checkbox"/> BROOMS, HYDRAULIC ROTATION <input type="checkbox"/> BROOMS, DUAL <input type="checkbox"/> CONSOLE, W/ROCKER SWITCHES FOR ALL SWEEP FUNCTIONS <input type="checkbox"/> FULL GAUGE PACKAGE INCLUDING TACHOMETER, ENGINE HOUR METER, OIL PRESSURE INDICATOR AND COOLANT TEMPERATURE. ENGINE SPEED CONTROL, SIDE BROOM DOWN PRESSURE CONTROLS AND AUTOMOTIVE STYLE BLADE FUSES. STANDARD INDICATORS FOR FULL LOAD, | <ul style="list-style-type: none"> SCREEN DOWN, AND HYDRAULIC OIL TEMP INDICATOR LAMPS. OPTIONAL INDICATOR LAMPS FOR HOPPER UP, DOOR OPEN AND/OR HYDRAULIC OIL TEMP. <input type="checkbox"/> SWEEP RESUME/SWEEP TRANSPORT/REVERSE PICK-UP <input type="checkbox"/> FUEL WATER SEPARATOR ON AUX ENGINE <input type="checkbox"/> HOPPER REAR DOOR, HYDRAULICALLY OPENED/CLOSED AND LOCKED/UNLOCKED WITH EXTERNAL MANUAL CONTROLS <input type="checkbox"/> HOSE, HYDRANT FILL, 16'8" (5080 MM) WITH COUPLING <input type="checkbox"/> LED CLEARANCE LIGHTS <input type="checkbox"/> LIGHTS; REAR CLEARANCE AND REAR IDENTIFICATION <input type="checkbox"/> 8" CONVEX MIRROR <input type="checkbox"/> PICK-UP HEAD, HYDRAULICALLY OPERATED, 14" (355 MM) OUTSIDE DIAMETER PRESSURE HOSE, 13" (324MM) INSIDE DIAMETER SUCTION HOSE WITH QUICK DISCONNECT ON SUCTIONS SIDE <input type="checkbox"/> WATER SYSTEM; ONE (1) ROCKER SWITCH WITH HI / LOW SETTING, SPRAY NOZZLES: THREE (3) IN THE | <ul style="list-style-type: none"> SUCTION, NOZZLE, THREE (3) AT EACH SIDE BROOM <input type="checkbox"/> SIDE BROOM OUTER POSITION STOP <input type="checkbox"/> HYDRAULIC OIL COOLER <input type="checkbox"/> VACUUM ENHANCER, CABLE-CONTROLLED IN CAB, 5 SETTINGS <input type="checkbox"/> WATER TANK, MOLDED POLYETHYLENE, 250 GALLONS <input type="checkbox"/> WATER PRE-FILTER, HYDRANT FILL HOSE <input type="checkbox"/> FUNCTIONAL CONTROL OF WATER SYSTEM DISPENSES WATER WITH THE USE OF THE SWEEPER FUNCTION ROCKER SWITCH. WATER TO PICKUP HEAD ON WHEN WATER IS TURNED ON, WATER TO SIDE BROOMS ON WHEN BROOMS ARE DEPLOYED. <input type="checkbox"/> ANTI SIPHON 2-1/2" AIR GAP <input type="checkbox"/> STANDARD ELECTRIC HORNS <input type="checkbox"/> RIGHT HAND BOSTROM AIR 905 CLOTH HI-BACK <input type="checkbox"/> SWEEPER PAINTED STANDARD WHITE <input type="checkbox"/> RED LOGO <input type="checkbox"/> 1 YEAR PARTS AND LABOR WARRANTY |
|---|---|---|

OPTIONAL ITEMS INCLUDED

- | | | |
|--|---|---|
| <input type="checkbox"/> REGENX-RM-33K | <input type="checkbox"/> HOPPER DELUGE-RM | <input type="checkbox"/> SWEEPER PAINTED STANDARD WHITE |
| <input type="checkbox"/> RM-JD 74 HP T4F-M2 | <input type="checkbox"/> SLOW MOVING VEHICLE SIGN | <input type="checkbox"/> CAB STANDARD WHITE |
| <input type="checkbox"/> IN CAB AIR FILTER RESTRICTION INDICATOR | <input type="checkbox"/> LEFT HAND SIDEBROOM TILT 12 DEGREE | <input type="checkbox"/> REGEN-X OPERATORS MANUAL |
| <input type="checkbox"/> 12" CONVEX MIRRORS | <input type="checkbox"/> RIGHT HAND SIDEBROOM TILT 12 DEGREE | <input type="checkbox"/> AIR PRODUCTS MACHINE DELIVERY PACKET |
| <input type="checkbox"/> BATTERY DISCONNECT - CHASSIS | <input type="checkbox"/> AUXILIARY HYDRAULIC PUMP | <input type="checkbox"/> ELGIN SAFETY MANUAL |
| <input type="checkbox"/> 16' 8" FILL HOSE | <input type="checkbox"/> RED LOGO PACKAGE | <input type="checkbox"/> REGEN-X PARTS BOOK |
| <input type="checkbox"/> HYDRAULIC OIL LEVEL GAUGE W/THERMOMETER | <input type="checkbox"/> PM10 WATER SYSTEM REGENX | <input type="checkbox"/> JOHN DEERE OPERATORS MANUAL |
| <input type="checkbox"/> INSPECTION DOOR - RIGHT HAND | <input type="checkbox"/> VARIABLE SPEED DUAL SIDE BROOM | <input type="checkbox"/> JOHN DEERE PARTS BOOK |
| <input type="checkbox"/> FRONT AND REAR LED BEACONS WITH REAR ARROWSTICK | <input type="checkbox"/> (2) ALTERNATING REAR LED LIGHTS THAT FLASH 80-100 FLASHES PER MINUTE | <input type="checkbox"/> BROOM MEASUREMENT RULER |
| <input type="checkbox"/> IN CAB HOPPER DUMP | <input type="checkbox"/> HOPPER VIBRATOR RM/RMS | <input type="checkbox"/> EXTRA AUXILIARY ENGINE KEY |
| <input type="checkbox"/> STAINLESS STEEL HOPPER | | <input type="checkbox"/> 5# FIRE EXTINGUISHER |
| <input type="checkbox"/> 304 STAINLESS STEEL HOPPER SCREENS | | <input type="checkbox"/> SAFETY TRIANGLES |
| | | <input type="checkbox"/> HYDRANT WRENCH |

UNIT PRICE: \$ 382,884.00
SOURCEWELL DISCOUNT:..... (\$ - 6,592.00)
 SOURCEWELL SUBTOTAL: \$ 376,292.00
 SALES TAX (7.75%) \$ 29,162.63
TOTAL PRICE, FOB: IMPERIAL, CA: \$405,454.63

THE PROPERTY HEREIN IS GUARANTEED BY MANUFACTURER'S WARRANTY ONLY AND SELLER MAKES NO WARRANTY EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR OTHERWISE, OR OF FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTENDS BEYOND THE ABOVE DESCRIPTION OF THE EQUIPMENT.

NOTE: PRICE IS GOOD FOR 30 DAYS . COST INCREASES DUE TO THE ADDITION OF GOVERNMENT MANDATED SAFETY OR ENVIRONMENTAL DEVICES INCURRED AFTER THE DATE OF THIS PROPOSAL, WILL BE CHARGED TO YOU AT OUR COST. PROOF OF SUCH COSTS, IF ANY, WILL BE DOCUMENTED.

TAXES: SALES TAX APPLICABLE AT TIME OF DELIVERY WILL BE SHOWN ON OUR INVOICE. FEDERAL EXCISE TAXES, IF APPLICABLE, WILL REQUIRE PAYMENT UNLESS A PROPERLY EXECUTED EXEMPTION CERTIFICATE IS SUBMITTED.

DELIVERY: TO BE DETERMINED TERMS: NET TERMS OR APPROVED FINANCING

WE APPRECIATE THE OPPORTUNITY TO PRESENT THIS PROPOSAL AND LOOK FORWARD TO BEING OF FURTHER AND CONTINUED SERVICE.

HAAKER EQUIPMENT COMPANY ACCEPTED BY: _____

BY: Chuy Vallejo DATE: _____
 JOSE "CHUY" VALLEJO
 SALES REPRESENTATIVE



9465 MISSION PARK PLACE, SANTEE, CALIFORNIA 92071
(619) 569-1946 ~ HAAKER.COM



SOURCEWELL QUOTE
MAY 14, 2025

TO: CITY OF IMPERIAL
420 S. IMPERIAL AVENUE
IMPERIAL, CA 92251

ATTN: MR. DAVID DALE, PE, PLS
(760) 355-3336
EMAIL: ddale@imperial.ca.gov

IN ACCORDANCE WITH YOUR REQUEST, WE ARE PLEASED TO SUBMIT THE FOLLOWING PROPOSAL FOR YOUR CONSIDERATION AND APPROVAL BASED ON THE *SOURCEWELL COOPERATIVE PURCHASING AGREEMENT - CONTRACT # 093021-ELG.*

ONE (1) NEW ELGIN REGENX SWEEPER

TIER 4F EMISSIONS, JOHN DEERE 4045 TURBOCHARGED DIESEL ENGINE, 8 CU. YARD TILTING HOPPER W/ 50 DEGREE DUMP ANGLE, RIGHT AND LEFT SIDE BROOMS, SWEEPER POWDER COATED FROM POWDER COATINGS CHART 2003/N WITH POWDER COATED GRAY UNDERCARRIAGE. MOUNTED ON A 2026 FREIGHTLINER M2 CHASSIS AND INCLUDES THE FEATURES LISTED BELOW:

STANDARD OPTIONS INCLUDED

- CHASSIS PAINTED STANDARD WHITE
- SWEEPER PARTS MANUAL
- SWEEPER OPERATORS MANUAL
- JOHN DEERE OPERATORS MANUAL
- JOHN DEERE PARTS
- BROOM MEASUREMENT RULER
- MACHINE DELIVERY PACKET
- ELGIN SAFETY MANUAL
- AUTO SHUTDOWN, AUX. ENGINE: LOW OIL PRESSURE, HIGH COOLANT TEMP, HYDRAULIC OIL LEVEL, FUEL TEMP, INTAKE MANIFOLD AIR TEMP, WATER-IN-FUEL, VERY HIGH SOOT LOADING.
- BACKUP ALARM, ELECTRIC
- BROOMS, HYDRAULIC ROTATION
- BROOMS, DUAL
- CONSOLE, W/ROCKER SWITCHES FOR ALL SWEEP FUNCTIONS
- FULL GAUGE PACKAGE INCLUDING TACHOMETER, ENGINE HOUR METER, OIL PRESSURE INDICATOR AND COOLANT TEMPERATURE. ENGINE SPEED CONTROL, SIDE BROOM DOWN PRESSURE CONTROLS AND AUTOMOTIVE STYLE BLADE FUSES. STANDARD INDICATORS FOR FULL LOAD,
- SCREEN DOWN, AND HYDRAULIC OIL TEMP INDICATOR LAMPS. OPTIONAL INDICATOR LAMPS FOR HOPPER UP, DOOR OPEN AND/OR HYDRAULIC OIL TEMP.
- 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
- 8" CONVEX MIRROR
- PICK-UP HEAD, HYDRAULICALLY OPERATED, 14" (355 MM) OUTSIDE DIAMETER PRESSURE HOSE, 13" (324MM) INSIDE DIAMETER SUCTION HOSE WITH QUICK DISCONNECT ON SUCTIONS SIDE
- WATER SYSTEM; ONE (1) ROCKER SWITCH WITH HI / LOW SETTING, SPRAY NOZZLES: THREE (3) IN THE
- SUCTION, NOZZLE, THREE (3) AT EACH SIDE BROOM
- SIDE BROOM OUTER POSITION STOP
- HYDRAULIC OIL COOLER
- VACUUM ENHANCER, CABLE-CONTROLLED IN CAB, 5 SETTINGS
- WATER TANK, MOLDED POLYETHYLENE, 250 GALLONS
- WATER PRE-FILTER, HYDRANT FILL HOSE
- FUNCTIONAL CONTROL OF WATER SYSTEM DISPENSES WATER WITH THE USE OF THE SWEEPER FUNCTION ROCKER SWITCH. WATER TO PICKUP HEAD ON WHEN WATER IS TURNED ON, WATER TO SIDE BROOMS ON WHEN BROOMS ARE DEPLOYED.
- ANTI SIPHON 2-1/2" AIR GAP
- STANDARD ELECTRIC HORNS
- RIGHT HAND BOSTROM AIR 905 CLOTH HI-BACK
- SWEEPER PAINTED STANDARD WHITE
- RED LOGO
- 1 YEAR PARTS AND LABOR WARRANTY

OPTIONAL ITEMS INCLUDED

- | | | |
|--|---|---|
| <input type="checkbox"/> REGENX-RM-33K | <input type="checkbox"/> HOPPER DELUGE-RM | <input type="checkbox"/> SWEEPER PAINTED STANDARD WHITE |
| <input type="checkbox"/> RM-JD 74 HP T4F-M2 | <input type="checkbox"/> SLOW MOVING VEHICLE SIGN | <input type="checkbox"/> CAB STANDARD WHITE |
| <input type="checkbox"/> IN CAB AIR FILTER RESTRICTION INDICATOR | <input type="checkbox"/> LEFT HAND SIDEBROOM TILT 12 DEGREE | <input type="checkbox"/> REGEN-X OPERATORS MANUAL |
| <input type="checkbox"/> 12" CONVEX MIRRORS | <input type="checkbox"/> RIGHT HAND SIDEBROOM TILT 12 DEGREE | <input type="checkbox"/> AIR PRODUCTS MACHINE DELIVERY PACKET |
| <input type="checkbox"/> BATTERY DISCONNECT - CHASSIS | <input type="checkbox"/> AUXILIARY HYDRAULIC PUMP | <input type="checkbox"/> ELGIN SAFETY MANUAL |
| <input type="checkbox"/> 16' 8" FILL HOSE | <input type="checkbox"/> RED LOGO PACKAGE | <input type="checkbox"/> REGEN-X PARTS BOOK |
| <input type="checkbox"/> HYDRAULIC OIL LEVEL GAUGE W/THERMOMETER | <input type="checkbox"/> PM10 WATER SYSTEM REGENX | <input type="checkbox"/> JOHN DEERE OPERATORS MANUAL |
| <input type="checkbox"/> INSPECTION DOOR - RIGHT HAND | <input type="checkbox"/> VARIABLE SPEED DUAL SIDE BROOM | <input type="checkbox"/> JOHN DEERE PARTS BOOK |
| <input type="checkbox"/> FRONT AND REAR LED BEACONS WITH REAR ARROWSTICK | <input type="checkbox"/> (2) ALTERNATING REAR LED LIGHTS THAT FLASH 80-100 FLASHES PER MINUTE | <input type="checkbox"/> BROOM MEASUREMENT RULER |
| <input type="checkbox"/> IN CAB HOPPER DUMP | <input type="checkbox"/> HOPPER VIBRATOR RM/RMS | <input type="checkbox"/> EXTRA AUXILIARY ENGINE KEY |
| <input type="checkbox"/> STAINLESS STEEL HOPPER | | <input type="checkbox"/> 5# FIRE EXTINGUISHER |
| <input type="checkbox"/> 304 STAINLESS STEEL HOPPER SCREENS | | <input type="checkbox"/> SAFETY TRIANGLES |
| | | <input type="checkbox"/> HYDRANT WRENCH |

UNIT PRICE: \$ 382,884.00
SOURCEWELL DISCOUNT:..... **(\$ - 6,592.00)**
 SOURCEWELL SUBTOTAL: \$ 376,292.00
 SALES TAX (7.75%) \$ 29,162.63
TOTAL PRICE, FOB: IMPERIAL, CA: \$405,454.63

THE PROPERTY HEREIN IS GUARANTEED BY MANUFACTURER'S WARRANTY ONLY AND SELLER MAKES NO WARRANTY EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR OTHERWISE, OR OF FITNESS FOR ANY PARTICULAR PURPOSE, THAT EXTENDS BEYOND THE ABOVE DESCRIPTION OF THE EQUIPMENT.

NOTE: PRICE IS GOOD FOR 30 DAYS. COST INCREASES DUE TO THE ADDITION OF GOVERNMENT MANDATED SAFETY OR ENVIRONMENTAL DEVICES INCURRED AFTER THE DATE OF THIS PROPOSAL, WILL BE CHARGED TO YOU AT OUR COST. PROOF OF SUCH COSTS, IF ANY, WILL BE DOCUMENTED.

TAXES: SALES TAX APPLICABLE AT TIME OF DELIVERY WILL BE SHOWN ON OUR INVOICE. FEDERAL EXCISE TAXES, IF APPLICABLE, WILL REQUIRE PAYMENT UNLESS A PROPERLY EXECUTED EXEMPTION CERTIFICATE IS SUBMITTED.

DELIVERY: TO BE DETERMINED TERMS: NET TERMS OR APPROVED FINANCING

WE APPRECIATE THE OPPORTUNITY TO PRESENT THIS PROPOSAL AND LOOK FORWARD TO BEING OF FURTHER AND CONTINUED SERVICE.

HAAKER EQUIPMENT COMPANY ACCEPTED BY: _____

BY: Chuy Vallejo
 JOSE "CHUY" VALLEJO
 SALES REPRESENTATIVE

DATE: _____

TYMCO MODEL 600 STANDARD
PROJECTED PARTS USAGE/STOCKING REQUIREMENTS
BASED ON 1000-1200 HOURS USE PER YEAR

PART NO.	DESCRIPTION	UNIT LIST PRICE	QUANTITY				4 YR.
			1ST YR.	2ND YR.	3RD YR.	4TH YR.	TOTALS
5011625	Blower Wheel (Coated)	2,661.17			1		2,661.17
11221	Power Band, blower	280.00				1	280.00
11108	Taper Lock Bushing	61.83			1	1	123.66
5010937	Seal, Blower Housing	14.00		1	1	1	42.00
502556	Water Pump, Electric	262.50		1	1	1	787.50
20809	Tip, Water Spray	15.17		5	5	5	227.55
10837	Strainer, Spray Nozzle	12.83		5	5	5	192.45
11002	Bearing, blower	226.33		2		2	905.32
5010839	Spring (Front)	32.67		2		2	129.68
5010840	Spring (Rear)	35.00		2		2	140.00
12920	Lock Valve, Cartridge - G/B	92.17			1	1	184.34
12912	Coil, Lock Valve	44.33		1	1	1	132.99
500360	Seal, Hopper Transition	50.17		1		1	100.34
500902	Seal, Dump Door	317.33				1	317.33
500362	Seal, Inspection Door	38.50		2		2	154.00
5013731	Seal Kit, Torq Motor	124.83			1	1	249.66
5012771	Seal Kit, GB & PUH Cylinder	68.83			1	1	137.66
5014244	Seal Kit, Dump Door	155.17				1	155.17
505172	Cartridge Valve	243.83			1		243.83
504622	Valve Assembly, Hydraulic	397.83				1	397.83
5010960	Spring, Gutter Broom	36.17		2	2	2	217.02
504459	Solenoid Coil, Hydraulic Valve	138.83		1	1	1	416.49
503014	Check Valve	119.00			1	1	238.00
501767	G.B. Torq Mtr. 18CID	684.83		1	1	1	2,054.49
	Yearly Cost Projection Totals		\$ -	\$ 2,072.00	\$ 4,728.49	\$ 3,687.24	\$ 10,488.48
WEAR ITEMS							
5012830	Liner, Blower Housing	991.67				1.00	991.67
501020	Curtain Set, Pick-Up Head	358.44	3.00	3.00	3.00	3.00	1,433.76
5017815	Lip, Blower Scroll	351.17				1.00	351.17
500392	Wire Segments, Vertical Digger	184.50	15.00	15.00	15.00	15.00	11,070.00
5020287	Liner, Separator	1,814.17				1.00	1,814.17
12905	Suct.Inlet Liner-UHMW Vir Blk.	155.17				2.00	310.34
5011671	Hose, Suction (Heavy Duty)	462.56		1.00		1.00	925.12
502116	Transition, Urethane - w/Seal	661.50		1.00	1.00	1.00	1,984.50
502569	DUO Skids - Standard	568.58		2.00	2.00	2.00	3,411.48
12734	Donaldson Filter DST Models	742.00		1.00		1.00	2,968.00
	Yearly Cost Projection Totals		\$ 3,842.82	\$ 5,387.16	\$ 4,924.60	8,854.51	\$ 25,260.21



Municipal Leasing

If you need a sweeper now, then TYMCO's Municipal Lease Purchase Program is for you. We can custom tailor a finance plan to meet your needs at a competitive, fixed interest rate. A TYMCO Municipal Lease Purchase allows any governmental entity to obtain a high-quality TYMCO Regenerative Air Sweeper without the cost and hassle of a bond referendum, little or no down payment and best of all – no backend fees, charges or pay-offs. Also, there is no prepayment penalty for early payoff. At the end of the lease term, upon payment of the last installment, the TYMCO Sweeper is yours to keep.

Who is eligible for TYMCO's municipal lease purchase program?

If you are one of the following entities and interest on your debt obligations is considered exempt from Federal taxation, you are eligible:

- State Governments
- Villages
- State Agencies
- Airports (Municipal)
- County Governments
- Sanitation Districts
- Municipalities
- Townships
- State- Funded Universities & Schools
- Public, Tax Supported Institutions*

* Even if you do not fit one of these categories, contact us and we will find out if you can qualify!

What exactly is a municipal lease purchase and how does it work?

A tax-exempt municipal lease purchase is a useful tool for cash flow management. Municipal leasing conserves working capital and is a viable alternative for acquiring assets without large cash expenditures. By utilizing a municipal lease purchase you avoid the following:

- 1. Large cash payment for outright purchase**
- 2. Short-term rental (which is expensive)**
- 3. Issuance of a long term debt instrument (which is costly, time consuming and requires voter approval).**

A municipal lease purchase is an installment purchase program. It is not a rental agreement nor does it create a debt obligation for the governmental unit. Municipal leasing allows the lessee to make installment payments which include principal and interest and to build up equity in the sweeper over the term of the lease. At the end of the lease agreement, the lessee owns the sweeper outright free and clear.

The municipal lease purchase contract includes a non-appropriation clause that confirms payments shall be made from the lessee's operating budget or capital appropriations for the current fiscal period. The lease is renewed each budget year for the term of the agreement.

What TYMCO does for you:

- 1. We prepare all the documentation. All we require from you are the authorized signatures**
- 2. Since we are also the manufacturer, we work closely with the Dealer on delivery and installation of your unit to ensure a smooth and problem-free start up**
- 3. Our full-time Municipal Lease Purchase staff is available to serve you and will work with you from the inception of the lease to the last payment**
- 4. We are only a phone call or e-mail away. If you have any questions or comments, feel free to contact us now.**



600[®]
AIR SWEEPER

GENERAL SPECIFICATIONS



MODEL 600[®] REGENERATIVE[®] AIR STREET SWEEPER
DIESEL AUXILIARY ENGINE / DIESEL CONVENTIONAL CAB CHASSIS

SWEEPER AUXILIARY ENGINE

Engine John Deere 4045 turbo FT4, 4 cyl.
Displacement 275 in³ (4.5 L)
Power 99 HP @ 2200 RPM (74 kW)
Net torque 315 lb-ft @ 1600 RPM (427 Nm)
Air cleaner Heavy duty, w/pre-cleaner, scavenge vacuum hose, and in-cab air restriction indicator w/gauge.
Remote oil filter Spin on, full flow
Auxiliary engine fuel tank shared with chassis
Diesel fuel tank capacity 51 gal (193 L)
DEF tank Dedicated
Capacity (volumetric) 5.4 gal (20.6 L)
Capacity (useable) 3.8 gal (14.4 L)
Auxiliary engine protection system
Fuel/water separator and separate fuel filter
Open crankcase ventilation (OCV) filter

BLOWER, RUBBER LINED

Aluminum alloy, high volume, open face turbine
Purpose Creates blast and suction
Bearings (2) sealed lifetime lube, anti-friction
Bolt-on housing Steel w/abrasion resistant, replaceable liner
Drive Heavy duty power band

DUST SEPARATOR, HIGH CAPACITY

Type Cyclonic, multipass, centrifugal separation
Size 20 x 61 in cylindrical area (508 x 1549 mm)
Located adjacent to blower within hopper
Particulate removal achieved through 61 in (1549 mm) skimmer slot into skimmer hood
Hinged inspection door opened from hopper exterior
Abrasion resistant housing w/replaceable wear resistant liner

HOPPER

Capacity (volumetric) 7.3 yd³ (5.6 m³)
Capacity (useable) 6 yd³ (4.6 m³)
Construction Welded steel plate with integral stiffeners
Floor angle 22°
Dump door opening 84 x 44 in (2134 x 1118 mm)
Dumping method Hydraulic with raker bar
Dumping height 36 in (914 mm)

PICK-UP HEAD

Type Dual chamber
Function Delivers air blast and suction
Width (inside dimension) 87 in (2210 mm)
Std. pick-up head area 2610 in² (1.68 m²)
BAH[®] option area 3567 in² (2.3 m²)
Suspension 4 springs, 2 drag links
Skids DUO SKID[®], long-life carbide
Suction hose diameter 14 in (356 mm)
Pressure hose diameter 14 in (356 mm)
Pressure bleeder Integral for leaf/light material pickup
Reverse pick-up head system

GUTTER BROOM, TWIN, Patented

Standard equipment includes LED floodlights and parabolic mirrors
Drive Constant speed non-reversible hydraulic motor
Adjustment Adjustable for down pressure, pattern and wear
Down pressure Automatically adjusts to requirement
Flexibility All directions integral anti-damage "swing away" relief valve
Broom 43 in dia. (1092 mm) steel wire, vertical digger

HYDRAULIC SYSTEM

Operates gutter broom(s), dump and pick-up head
Drive Gear driven from auxiliary engine
Flow rate 8 GPM (30.3 LPM)
Reservoir ... 25 gal (94.6 L) w/80 mesh suction strainer, sight/temperature gauge, cooler
Filter 3 micron in-line
Temperature shutdown system

DUST CONTROL SYSTEM

Water spray nozzles for dust suppression
Pump Electric diaphragm
Reservoirs Polyethylene 220 gal (833 L), total minimum
Filter 80 mesh in-line
Low water shut-off Safety shut-off with audible and visual indicator in cab
Spray nozzles:
Around pick-up head 4
Gutter brooms (each) 2
Hopper (inside) 1
Hydrant fill hose w/storage area 20 ft (6 m)

CONTROL SYSTEM

BlueLogic[®] Control System
Multiplexed electrical system includes hardware and TYMCO designed software that integrates the in-cab controls to the auxiliary engine and all sweeper functions; as well as provides intelligent safety features and on-board diagnostics (OBD) for the auxiliary engine and sweeper through the BlueLogic display.

BlueLogic Display

Pedestal mounted touchscreen display provides sweeper and auxiliary engine data to the operator and includes hour meters (trip and total) for the auxiliary engine, gutter brooms, pick-up head, blower, water pump, and BAH broom if applicable; sweeper odometer (records curb miles swept and sweeping hours), service reminders, custom reminders, overspeed warning, low water audible alarm, dust control system winterization guide, and OBD.

Interior Components

Leaf pressure bleeder control, BlueLogic display, auxiliary fuse panel, illuminated control switches; pick-up head, gutter brooms, auxiliary

engine RPM, dust control water system nozzles, safety lights.

Exterior Components

Dump switch, BlueLogic multiplex module

SAFETY/WARNING DEVICES

Alternating LED rear flashers (2)
Rear view camera system
Back-up alarm
SAE Class 1/California Title 13 amber beacon light with limb guard - LED

OPTIONAL EQUIPMENT

AOD water pump w/washdown hose/spray gun
Abrasion protection package
Auto Sweep Interrupt (ASI)
Auxiliary hand hose 8 in dia. (203 mm)
Auxiliary hand hose hydraulic boom assist
Auxiliary hand hose catch basin cleaning package
Auxiliary hydraulic system
Broom Assist Pick-up Head (BAH[®])
COMDEX (extra water and tool box) 330 gal (1249 L) total capacity
Gutter broom tilt adjuster(s) (left, right, or twin)
Gutter broom variable speed
Gutter broom drop-down
Hi/Low pressure washdown system
High output water system
Hopper deluge system
Hopper drain system
Lateral airflow nozzle
Linear actuator - pressure bleeder w/gauge
Liquid recovery system
Low emissions package (required for South Coast AQMD Rule 1186)
Magnet, light, standard, or heavy duty
Pick-up head curtain lifter
Pick-up head deluge
Shop air purge, dust control system
Spark resistant skids
Stainless steel options:
Hopper:
Hopper weldment
Dump door
Inspection doors
Raker plate
High capacity dust separator
Hopper screen
Blower housing
High capacity dust separator
Hopper drain
Paint color (other than TYMCO standard white)

Special options are available for your individual requirements. Contact your local dealer or TYMCO.

CONVENTIONAL CAB CHASSIS AVAILABLE

International 4300
International MV607
Freightliner M2-106

MODEL 600[®] REGENERATIVE[®] AIR STREET SWEEPER

DIESEL AUXILIARY ENGINE / DIESEL CONVENTIONAL CAB CHASSIS



INTERNATIONAL 4300



INTERNATIONAL MV607



FREIGHTLINER M2-106

CAB/CHASSIS			
GVWR	31,000 lb (14,061 kg)	31,000 lb (14,061 kg)	31,000 lb (14,061 kg)
Front Axle	10,000 lb (4536 kg) w/10,000 lb (4536 kg) front suspension	10,000 lb (4536 kg) w/10,000 lb (4536 kg) front suspension	10,000 lb (4536 kg) w/10,000 lb (4536 kg) taper-leaf front suspension
Rear Axle	21,000 lb (9525 kg) w/31,000 lb (14,061 kg) Vari-rate rear suspension w/4,500 lb (2041 kg) auxiliary rubber springs	21,000 lb (9525 kg) w/31,000 lb (14,061 kg) Vari-rate rear suspension w/4,500 lb (2041 kg) auxiliary rubber springs	21,000 lb (9525 kg) w/ 23,000 lb (10,433 kg) variable rate multi-leaf spring w/leaf spring helper
Gear ratio	6.43 (single speed), 6.17/8.42 (two speed)	6.50 (single speed), 6.17/8.42 (two speed)	6.43 (single speed), 5.57/7.60 (two speed)
Frame	50,000 PSI (3447.38 bar)	50,000 PSI (3447.38 bar)	80,000 PSI (5515.81 bar)
Engine	Cummins B6.7	Cummins B6.7	Cummins B6.7
Displacement	409 in ³ (6.7 L)	409 in ³ (6.7 L)	409 in ³ (6.7 L)
Power	200 hp @ 2400 RPM	200 hp @ 2400 RPM	200 hp @ 2400 RPM
Torque	520 lb-ft (705 Nm) @ 1600 RPM	520 lb-ft (705 Nm) @ 1600 RPM	520 lb-ft (705 Nm) @ 1600 RPM
Transmission	Allison 2500 RDS 6-speed automatic transmission with PTO provision, synthetic fluid, and temperature gauge in cab	Allison 2500 RDS 6-speed automatic transmission with PTO provision, synthetic fluid, and temperature gauge in cab	Allison 2500 RDS 6-speed automatic transmission with PTO provision, synthetic fluid, and temperature gauge in cab
Alternator	160 amp	160 amp	160 amp
Batteries	(2) 12 volt, 1900 CCA, maintenance free	(2) 12 volt, 1900 CCA, maintenance free	(2) 12 volt, 1900 CCA, maintenance free
Wheelbase	165 in (4191 mm)	165 in (4191 mm)	165 in (41200 mm)
Turning diameter (wall-to-wall)	47.5 ft (14.48 m) (approximate)	47.5 ft (14.48 m) (approximate)	47.4 ft (14.45 m) (approximate)
Turning diameter (curb-to-curb)	45.3 ft (13.81 m) (approximate)	45.3 ft (13.81 m) (approximate)	45.7 ft (13.93 m) (approximate)
Fuel	Diesel	Diesel	Diesel
Fuel tank (shared with sweeper)	51 gal (193 L) (shared with sweeper)	51 gal (193 L) (shared with sweeper)	51 gal (193 L) (shared with sweeper)
DEF tank	7 gal (26.5 L)	7 gal (26.5 L)	6 gal (22.7 L)
Tires (2-front, 4-rear)	Tubeless 11R x 22.5	Tubeless 11R x 22.5	Tubeless 11R x 22.5
Steering	Integral dual power assisted w/18 in (457 mm) diameter steering wheel w/tilt and dual gauges installed by Fontaine Modification Company.	Integral dual power assisted w/18 in (457 mm) diameter steering wheel w/tilt and dual gauges installed by Kaffenberger Truck Equipment Company.	Integral dual power assisted w/18 in (457 mm) diameter steering wheel w/tilt and dual gauges installed by Fontaine Modification Company.
Brakes	4 wheel air ABS w/18.7 CFM (0.53 m ³ /minute) air compressor	4 wheel air ABS w/18.7 CFM (0.53 m ³ /minute) air compressor	4 wheel air ABS w/18.7 CFM (0.53 m ³ /minute) air compressor
Instruments & lights	Full package as required	Full package as required	Full package as required
Seats	Adjustable, individual high back air seats w/ lumbar support and cloth inserts for operator comfort	Adjustable, individual high back air seats w/ lumbar support and cloth inserts for operator comfort	Adjustable, high back air seats – driver and passenger vinyl w/cloth inserts and mechanical lumbar
Air dryer	Yes w/heater	Yes w/heater	Yes w/heater
Cruise control	Yes	Yes	Yes
Mirrors	Electric remote controlled and heated	Electric remote controlled and heated	Electric remote controlled and heated
Air conditioned cab	Yes, w/fresh air filters (primary and secondary) for cab filtration	Yes, w/fresh air filters (primary and secondary) for cab filtration	Yes, w/fresh air filter for cab filtration
Windows and door locks	Power	Power	Power
Exhaust system	Single, horizontal, after-treatment device, frame mounted right side, under cab w/horizontal tail pipe	Single, horizontal, after-treatment device, frame mounted right side, under cab w/horizontal tail pipe	Single, horizontal, after-treatment device, frame mounted right side, under cab w/horizontal tail pipe
Audio system	AM/FM auxiliary input stereo radio w/digital clock	AM/FM auxiliary input stereo radio w/digital clock	AM/FM/WB auxiliary input stereo radio w/digital clock
Daytime running lights	Yes	Yes	Yes
SWEEPING WIDTH (Approximate)			
Pick-up head only	87 in (2210 mm)	87 in (2210 mm)	87 in (2210 mm)
With 1 gutter broom	110 in (2794 mm)	110 in (2794 mm)	110 in (2794 mm)
With 2 gutter brooms	142 in (3606 mm)	142 in (3606 mm)	142 in (3606 mm)
OVERALL DIMENSIONS (Approximate)			
Length (sweeper body & chassis only)	278 in (7061 mm)	278 in (7061 mm)	273 in (6934 mm)
Width (between outside tips of stowed twin gutter broom bristles)	121 in (3073 mm)	121 in (3073 mm)	121 in (3073 mm)
Height	118 in (2997 mm) @ auxiliary engine	118 in (2997 mm) @ auxiliary engine	118 in (2997 mm) @ auxiliary engine
Empty weight (sweeper body & chassis only)	19,020 lbs (8627 kg)	19,020 lbs (8627 kg)	19,020 lbs (8627 kg)
<i>Dimensions and weight may vary with equipment. Cab/Chassis specifications above provided by truck manufacturer. Consult factory for additional specifications and other available truck chassis.</i>			

The Regenerative Air System

from the people who ***invented*** brushless sweeping more than 40 years ago!



True Regenerative Air

1. The closed-loop Regenerative Air System uses the force of a high velocity controlled jet of air created by the powerful blower wheel.
2. This jet of air blasts down and across the pick-up head onto the pavement and into the cracks forcing up into the air stream packed-on heavy debris as well as fine dust particles.
3. The debris laden air stream is pulled into the large hopper, where the air loses velocity and the larger debris falls to the bottom. A screen at the top of the hopper prevents items such as paper, cans and rocks from leaving the hopper and entering the centrifugal dust separator.
4. The patented centrifugal dust separator spins the air along the curved wall of the chamber until the micron size dust particles are skimmed off into the hopper. Only clean air is returned to the blower to start the Regenerative Air cycle again. This closed-loop system means no dirty air is exhausted into the environment only to settle on the surface again.

The TYMCO floating pick-up head is designed to adjust to the curvatures and irregularities of paved surfaces for optimum pick-up.

A TYMCO is efficient even in rainy or wet conditions. When brooms smear and vacuums clog, TYMCO still cleans, and that means maintaining your cleaning management schedule.

TYMCO
REGENERATIVE AIR SWEEPERS
800-258-9626
www.tymco.com

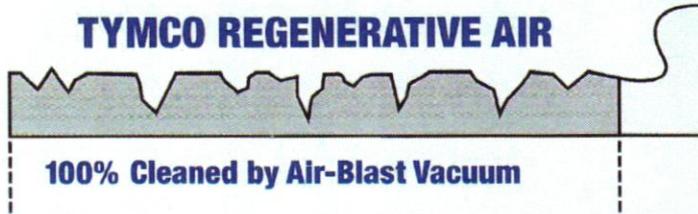
MADE IN WACO, TEXAS **USA**

A Different Way to Use Air... Regenerative Air — The Most Efficient Way to Sweep

A TYMCO Regenerative Air Sweeper uses a controlled blast of air to dislodge debris from the surface. Trash, dirt and fines from the entire area beneath the full width pick-up head is directed up the large heavy duty suction hose into the hopper. With the patented large gutter brooms, sweeping width can be extended to one of the widest in the industry.

Regenerative Air means a TYMCO never exhausts polluted air into the atmosphere like a vacuum sweeper and doesn't require a constantly moving main broom as do mechanical and vacuum sweepers. Other sweepers just move dust around, exhausting it out or pushing it into cracks — only a TYMCO picks it all up.

TYMCO REGENERATIVE AIR

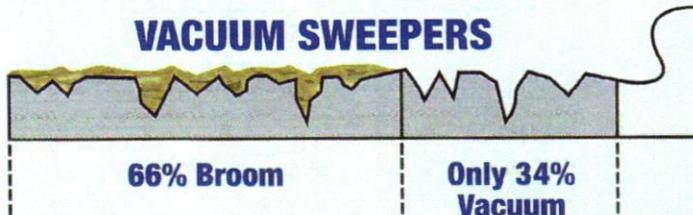


More than just vacuum

Vacuum sweepers utilize a constantly moving windrow broom to transfer debris over to a suction nozzle at one side of the sweeper. The debris is then routed up a small diameter suction hose. Only the area beneath the nozzle (approximately 34%) is vacuumed. The majority of the area (approximately 66%) is merely swept with a broom, pushing particles into the cracks. This broom needs to be replaced about every 80-100 hours of operation, costing thousands over the life of the machine.

Vacuum sweepers by design exhaust air potentially filled with fine dust particles back into the atmosphere where they settle right back onto the road surface.

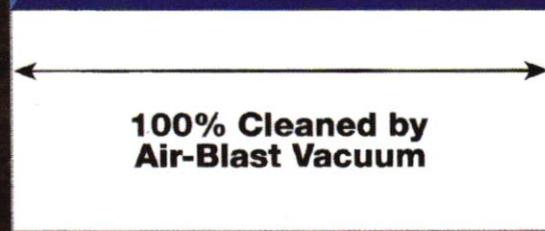
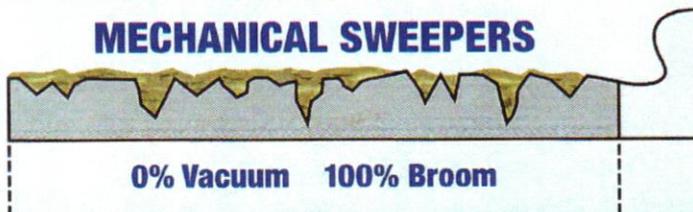
VACUUM SWEEPERS



Better than just a broom

A mechanical broom sweeper can clean the surface of large debris, but dirt and fine particulates are left behind on the surface and in the cracks. Brooms, by design, actually fill the cracks up with dirt. And a main broom needs to be replaced about every 200 hours of operation, costing thousands of dollars over the life of the machine.

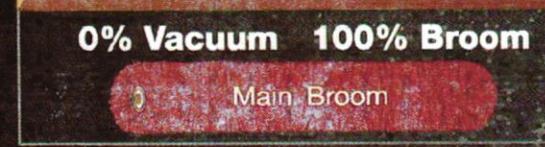
MECHANICAL SWEEPERS



Pure Vacuum Sweepers



Mechanical Broom Sweepers

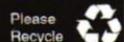


800-258-9626

www.tymco.com

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ELGIN
Subsidiary of Federal Signal Corporation

REGENERATIVE AIR SWEEPER

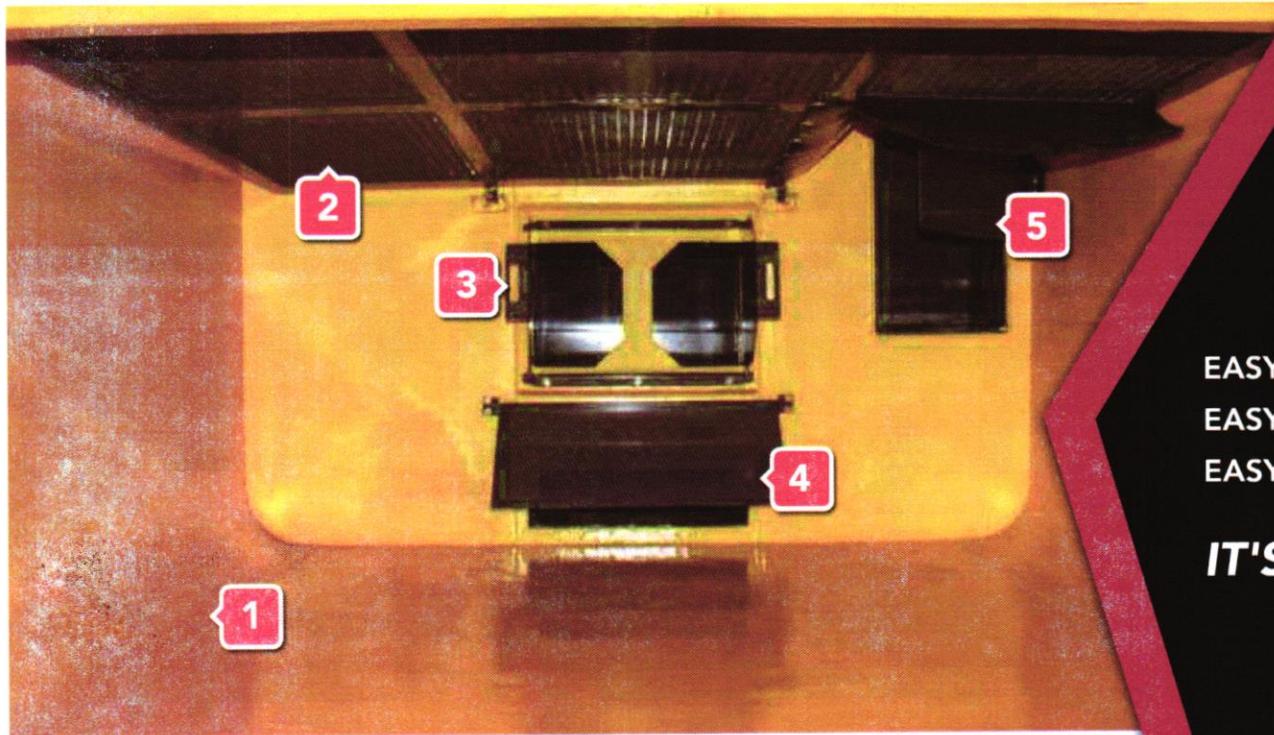
Regen^X™



Built By Elgin[®] X Designed By You



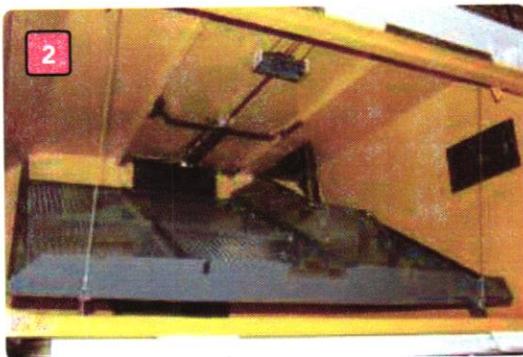
CLEAN...WITHOUT GETTING DIRTY.



EASY TO CLEAN.
EASY TO SERVICE.
EASY TO OPERATE.

IT'S SIMPLE.

- 1 Rounded Corners**
For easier cleaning and better load evacuation
- 2 Drop-Down Screens**
Cable-controlled, activated by switch on side of hopper
- 3 Self-Emptying Dust Separator**
Evacuates dust when hopper is dumped
- 4 Dust Separator Washout Doors**
Easy-access for effective washout of dust separator
- 5 Simple Inlet Design with Deflector**
Deflector loads debris evenly without creating challenges for washout
- 6 Pickup Head Clean Out Port**
Efficiently clean out pickup head while staying clean and dry



THE DIFFERENCE IS SIMPLE.

CONTAINER DUMP HEIGHT

- X Large 8 yd³ hopper capacity
- X 56" inch roll-off container dump height
- X Avoid double-handling from dumping on the ground
- X Improve operational efficiency by placing roll-off containers along your route
- X Comply with environmental restrictions prohibiting dumping on the ground

1 Easy-Access to Service/Maintenance Components

2 Easy-to-Use Controls

- No control modules

3 Superior Side Broom Design

- Pneumatic float for adjustable side broom pressure in cab
- Elgin's trailing arm design provides inward motion to avoid obstacles
- Standard parallelogram linkage allows side brooms to closely follow road contours, and maintain a consistent broom tilt (angle) with the road surface

4 Left-Hand Exhaust

- Helps to avoid contact with tree limbs

5 Easy-Access Switch to Drop Hopper Screens (standard)

6 Bolt-on Hopper Inlet for Easy Replacement

7 Bolt-on, External Dust Separator

8 Slotted Bolt-on Curtain Assembly

- Loosen 4 bolts to remove entire curtain assembly for service

9 Water Level Indicator

- Visible from side mirror while operating

10 Dual Quick Disconnect on Suction Tube

- Quick disconnects at top and bottom of suction tube for ease of maintenance and access to obstructions

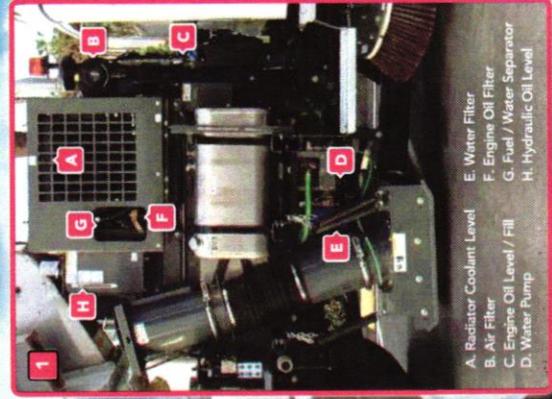
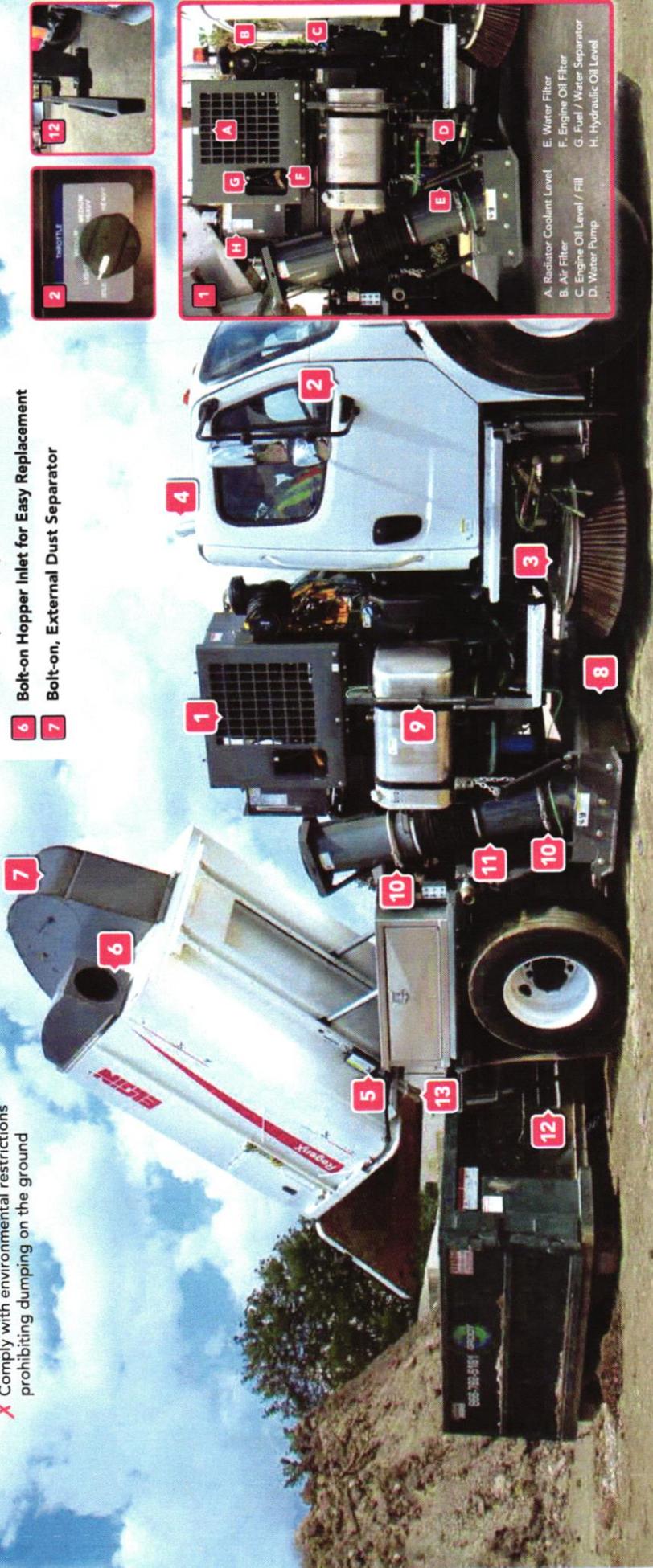
11 Extended Steel Suction Tube

- Minimal corrugation in suction tube for improved material flow

12 Adjustable Bumper

- Customizable to various debris containers

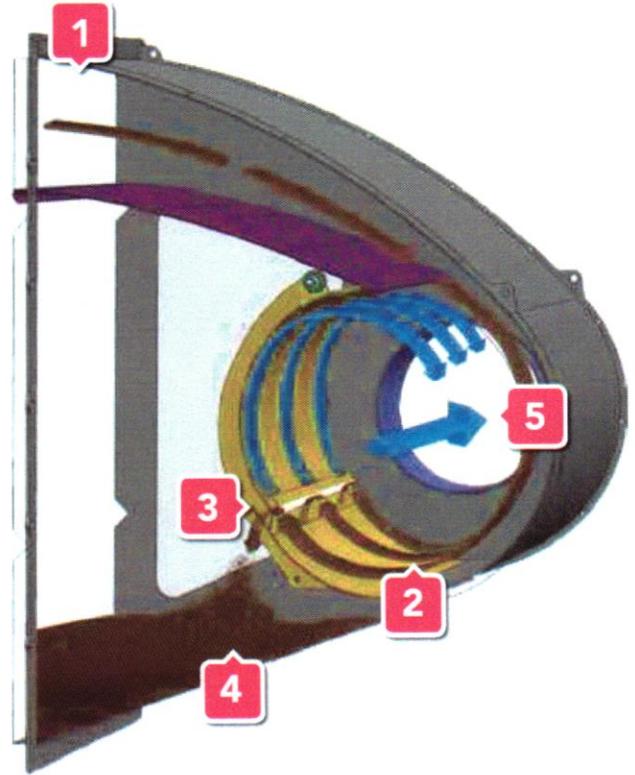
13 Adjustable Hopper Door Locks for Proper Seal



- A. Radiator Coolant Level
- B. Air Filter
- C. Engine Oil Level / Fill
- D. Water Pump
- E. Water Filter
- F. Engine Oil Filter
- G. Fuel / Water Separator
- H. Hydraulic Oil Level

HIGHLY EFFICIENT DUST SEPARATOR

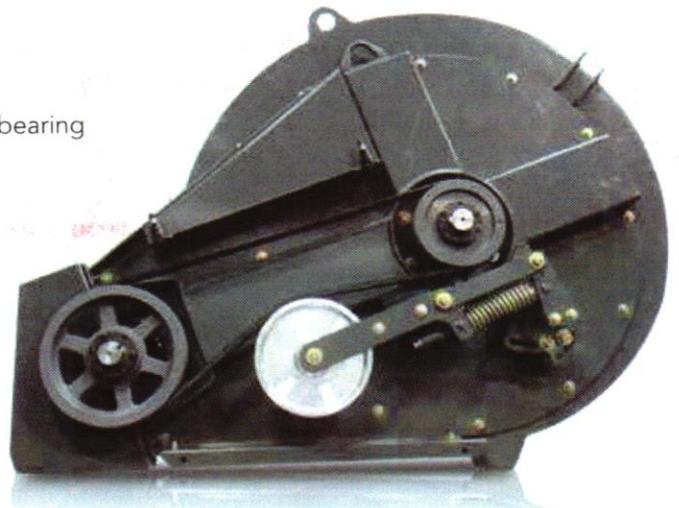
- 1 Dust Separator Inlet**
Dust enters the separator from the hopper
- 2 Centrifugal Separator Design**
Air spins around tube at high speed, forcing dust to outside walls
- 3 Skimmer Slot**
Dust is skimmed off into the collection chamber
- 4 Dust Collection Chamber**
Self-emptying chamber that evacuates when the hopper is dumped
- 5 Fan Inlet**
Clean air exits the separator and returns to the fan



Fan belt change in less than 5 minutes -
NO TOOLS REQUIRED

- 1 Hardox Steel Fan**
 - Highly efficient closed-face fan with backward curved vanes
 - Hardox steel vanes for durability (used in military-grade armor)
 - Fan change can be executed in approximately 1 hour
- 2 Sealed-for-Life Bearings**
 - No need to grease fan bearings
 - Secondary seal to prevent dirt from getting into the bearing
- 3 Fluid Coupler**
Acts as torque damper, increases reliability and life of drive system
- 4 Spring-Loaded Belt Tensioner**
Maintains consistent belt tension over time, easy to adjust
- 5 Keyed and Tapered Fan Shaft**
Provides ease of service

FAN DRIVE SYSTEM



Built By Elgin **X** Designed By You

The Elgin Innovation Team traversed the country, speaking to hundreds of customers at all levels within the street sweeping industry, both municipal and contractor, in pursuit of true voice-of-the-customer insights. Months of real-world prototype testing and feedback refined the sweeper design to provide customers with exactly what they want and need, while proving the reliability and durability along the way. The input of service technicians, operators, and street sweeping supervisors shaped every detail of the new **RegenX™** mid-dump regenerative air street sweeper from Elgin Sweeper Company, a sweeper that is **easy to use, easy to clean, and easy to maintain** but still delivers the quality and proven technology that is the hallmark of Elgin Sweeper products.

The new **RegenX** was built by Elgin, but designed by you.

Why Regen**X**™

X Roll-Off Dump Height with 50° Dump Angle and 8 yd³ Hopper

- Avoid double-handling, driving back to the facility to dump, and environmental ground-dumping restrictions

X Incredibly Easy to Clean

- Simple hopper – rounded corners and external self-dumping dust separator
- Easy-access washout doors for dust separator and pickup head
- Cable-controlled drop-down screens standard

X Easy to Service

- Easy to access components with locations determined by experienced service technicians
- Bolt-on wear parts wherever possible (dust separator, hopper inlet, etc.)
- Simple design with no control modules for sweeper functions

X Reliable

- Better cleanout and easier serviceability leads to more reliability
- Highly efficient dust separator and large screen surface area reduce carryover and sand blasting
- Overall simple design – less moving parts, more uptime



ElginSweeper.com/RegenX

Phone (847) 741-5370 • Fax (847) 742-3035

1300 W. Bartlett Road, Elgin, IL 60120 U.S.A.

Specifications subject to change without notice. Some items shown may be optional. Elgin, RegenX™ and LifeLiner™ are registered trademarks of Federal Signal Corporation. Hardox™ is a registered trademark of Hardox wear plate. Federal Signal Corporation is listed on the NYSE by the symbol FSS.

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	ENGINE SIZES (L)	FUEL TYPE ¹	STANDARDS & TEST PROCEDURE	INTENDED SERVICE CLASS ²	ECS & SPECIAL FEATURES ³	DIAGNOSTIC ⁶
2023	PCEXH0408BCA	6.7	Diesel	Diesel	MHDD	DDI, TC, CAC, ECM, EGR-C, OC, PTOX, SCR-U, AMOX	OBD(P)
PRIMARY ENGINE'S IDLE EMISSIONS CONTROL ⁵		ADDITIONAL IDLE EMISSIONS CONTROL ⁵					
30g		N/A					
ENGINE (L)	ENGINE MODELS / CODES (rated power, in hp)						
6.7	See attachment for engine models and ratings						
<small>* =not applicable, GVWR=gross vehicle weight rating; 13 CCR xyz=Title 13, California Code of Regulations, Section xyz; 40 CFR 86.abc=Title 40, Code of Federal Regulations, Section 86.abc, L=liter, hp=horsepower, kw=kilowatt, hr=hour; ¹ CNG/LNG=compressed/liquefied natural gas, LPG=liquefied petroleum gas; E85=85% ethanol fuel; MF=multi fuel a.k.a BF=bi fuel; DF=dual fuel; FF=flexible fuel; ² L/M/H HDD=light/medium/heavy heavy-duty diesel; UB=urban bus; HDO=heavy duty Otto; ³ ECS=emission control system; TWC/OC=three-way/oxidizing catalyst; NAC=NOx adsorption catalyst; SCR-U / SCR-N=selective catalytic reduction - urea / - ammonia; WU (prefix)=warm-up catalyst; DPF=diesel particulate filter; PTOX=periodic trap oxidizer; HO2S/O2S=heated/oxygen sensor; HAFS/AFS=heated/air-fuel-ratio sensor (a.k.a. universal or linear oxygen sensor); TBI=throttle body fuel injection; SF/IMFI=sequential/multi port fuel injection; DGI=direct gasoline injection; GCARB=gaseous carburetor; ID/DDI=indirect/direct diesel injection; TC/SC=turbo/super charger; CAC=charge air cooler; EGR / EGR-C=exhaust gas recirculation / cooled EGR; PAIR/AIR=pulsed/secondary air injection; SPL=smoke puff limiter; ECM/PCM=engine/powertrain control module; EM=engine modification; AMOX=Ammonia Oxidation Catalyst; NOXS=NOx sensor; 2 (prefix)=parallel; (2) (suffix)=in series. ⁵ ESS=engine shutdown system (per 13 CCR 1956.8(a)(6)(A)(1)); 30g=30 g/hr NOx (per 13 CCR 1956.8(a)(6)(C)); APS =internal combustion auxiliary power system; ALT=alternative method (per 13 CCR 1956.8(a)(6)(D)); Exempt=exempted per 13 CCR 1956.8(a)(6)(B) or for CNG/LNG fuel systems; N/A=not applicable (e.g., Otto engines and vehicles); ⁶ EMD=engine manufacturer diagnostic system (13 CCR 1971); OBD(F) / (P) / (S)=full / partial / partial with a fine / on-board diagnostic;.</small>							

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the SET and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, SET and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses). ⁴

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		HCHO	
	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET	FTP	SET
STD	0.14	0.14	0.20	0.20	*	*	15.5	15.5	0.01	0.01	*	*
CERT	0.03	0.01	0.11	0.06	*	*	0.03	0.00	0.004	0.003	*	*
NTE	0.21		0.30		*		19.4		0.02		*	

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde.

BE IT FURTHER RESOLVED: The manufacturer has demonstrated compliance with the Greenhouse Gas Emission Standards as specified in Title 13 CCR 1956.8 and the incorporated "California Exhaust Emission Standards and Test Procedures for 2004 and Subsequent Model Heavy Duty Diesel-Engines and Vehicles" (HDDE Test Procedures) adopted December 12, 2002, as last amended September 9, 2021.

PRIMARY INTENDED SERVICE CLASS: Tractor/Vocational				
In g/bhp-hr	CO ₂		CH ₄	N ₂ O
	FTP	SET		
STD	545	473	0.10	0.10
FCL	536	494	*	*
FEL	552	509	0.10	0.11
CERT	525	483	0.02	0.08

⁴ g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; SET=Supplemental emissions testing; STD = standard or emission test cap; FEL=family emission limit; FCL=family certification level; CERT=certification level; CO₂=carbon dioxide; CH₄=methane; N₂O=nitrous oxide; VOCATIONAL=vocational engine; TRACTOR=tractor engine

BE IT FURTHER RESOLVED: Certification to the FEL(s) / FCL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) / FCL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), 13 CCR 1971.1 (on-board diagnostic, full or partial compliance) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: That the manufacturer has elected to include engine models in this engine family which are identified for "emergency vehicle use only". These "emergency vehicle use only" engines are exempt from requirements imposed pursuant to California law and the regulations adopted pursuant thereto for motor vehicle pollution control devices per California Vehicle Code Section 27156.2. The manufacturer must clearly label these engines for "emergency vehicle use only" on the engines' emission control label.

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NO_x] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" (HDDE Test Procedures) adopted December 12, 2002, as last amended September 9, 2021, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 6th day of December 2022.



Robin U. Lang, Chief
Emissions Certification and Compliance Division

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power - Units	Peak Power - Fuel	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
86.7 360	BM1	N/A	N/A	6.7	Liters	360	horsepower	2600	128	800	lb-ft	1800	90	lb/hr	Partial	Vocational	N/A	N/A
86.7 340	BM2	N/A	N/A	6.7	Liters	340	horsepower	2600	121	700	lb-ft	1600	73	lb/hr	Partial	Vocational	N/A	N/A
86.7 325	BM3	N/A	N/A	6.7	Liters	325	horsepower	2400	112	750	lb-ft	1800	87	lb/hr	Partial	Vocational	N/A	N/A
86.7 325	BM4	N/A	N/A	6.7	Liters	325	horsepower	2400	112	750	lb-ft	1800	87	lb/hr	Partial	Vocational	N/A	N/A
86.7 300	BM5	N/A	N/A	6.7	Liters	300	horsepower	2600	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 300	BM6	N/A	N/A	6.7	Liters	300	horsepower	2600	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 280	BM8	N/A	N/A	6.7	Liters	280	horsepower	2400	96	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 280	BM9	N/A	N/A	6.7	Liters	280	horsepower	2400	96	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 260	BM11	N/A	N/A	6.7	Liters	260	horsepower	2400	96	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 260	BM12	N/A	N/A	6.7	Liters	260	horsepower	2400	96	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 250	BM14	N/A	N/A	6.7	Liters	250	horsepower	2400	94	660	lb-ft	1600	66	lb/hr	Partial	Vocational	N/A	N/A
86.7 250	BM15	N/A	N/A	6.7	Liters	250	horsepower	2400	94	660	lb-ft	1600	66	lb/hr	Partial	Vocational	N/A	N/A
86.7 240	BM17	N/A	N/A	6.7	Liters	240	horsepower	2400	90	560	lb-ft	1600	56	lb/hr	Partial	Vocational	N/A	N/A
86.7 240	BM18	N/A	N/A	6.7	Liters	240	horsepower	2400	90	560	lb-ft	1600	56	lb/hr	Partial	Vocational	N/A	N/A
86.7 220	BM20	N/A	N/A	6.7	Liters	220	horsepower	2400	83	520	lb-ft	1600	52	lb/hr	Partial	Vocational	N/A	N/A
86.7 220	BM21	N/A	N/A	6.7	Liters	220	horsepower	2400	83	520	lb-ft	1600	52	lb/hr	Partial	Vocational	N/A	N/A
86.7 220	BM22	N/A	N/A	6.7	Liters	220	horsepower	2400	83	520	lb-ft	1600	52	lb/hr	Partial	Vocational	N/A	N/A
86.7 220	BM23	N/A	N/A	6.7	Liters	220	horsepower	2400	83	520	lb-ft	1600	52	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM25	N/A	N/A	6.7	Liters	200	horsepower	2400	76	520	lb-ft	1600	52	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM27	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM28	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM29	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM30	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM31	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM32	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM33	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM34	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM35	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM36	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM37	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM38	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM39	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM40	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM41	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM42	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM43	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM44	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A
86.7 200	BM45	N/A	N/A	6.7	Liters	200	horsepower	2400	106	660	lb-ft	1600	67	lb/hr	Partial	Vocational	N/A	N/A

PK-7 300EV	BME5	N/A	N/A	6.7	Liters	300	horsepower	2600	106	lb/hr	660	lb-ft	1600	67	lb/hr	Partial	Tractor	N/A	Emergency Rating
PK-7 280EV	BME8	N/A	N/A	6.7	Liters	280	horsepower	2400	96	lb/hr	660	lb-ft	1600	67	lb/hr	Partial	Tractor	N/A	Emergency Rating
PK-7 260EV	BME11	N/A	N/A	6.7	Liters	260	horsepower	2400	96	lb/hr	660	lb-ft	1600	66	lb/hr	Partial	Tractor	N/A	Emergency Rating

	DEERE & COMPANY	EXECUTIVE ORDER U-R-004-0643 New Off-Road Compression-Ignition Engines
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Pursuant to the authority vested in California Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2023	PJDXL04.5315	4.5	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Electronic Control Module, Exhaust Gas Recirculation, Selective Catalyst Reduction-Urea, Electronic Direct Injection, Turbocharger, Charge Air Cooler, Oxidation Catalyst, Ammonia Oxidation Catalyst			Loader, Tractor, Dozer, Pump, Compressor, Generator Set, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
56 ≤ kW < 130	Tier 4 Final	STD	0.19	0.40	N/A	5.0	0.02	N/A	N/A	N/A
		CERT	0.02	0.33	--	0.1	0.02	--	--	--

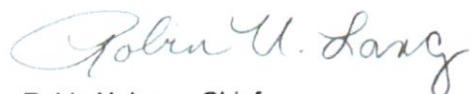
BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

BE IT FURTHER RESOLVED: That for the listed engine models which include engines from different power categories in the same engine family, the manufacturer is complying with the more stringent set of standards from the 56 ≤ kW < 130 power categories in conformance with the incorporated Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for New 2011 and Later Tier 4 Off-Road Compression Ignition Engines, Part 1-D" adopted October 20, 2005 and last amended October 25, 2012.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed on this 18th day of October 2022.


Robin U. Lang, Chief
 Emissions Certification and Compliance Division

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power - Units	Peak Power - Fueling	Peak Power - Speed (rpm)	Peak Power - Fuel Units	Peak Torque - Units	Peak Torque - Fuel Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel Units	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
4045	4045HFC04A		I-4	4.5	Liters	104	100.9	2200	mm3/stroke	540	mm3/stroke	1600	113.7	mm3/stroke	N/A	N/A		
4045	4045HFC04B		I-4	4.5	Liters	104	104.3	2200	mm3/stroke	540	mm3/stroke	1600	114.2	mm3/stroke	N/A	N/A		
4045	4045HFC04C		I-4	4.5	Liters	93	88.6	2400	mm3/stroke	493	mm3/stroke	1600	103.1	mm3/stroke	N/A	N/A		
4045	4045HFC04D		I-4	4.5	Liters	93	90.8	2200	mm3/stroke	536	mm3/stroke	1600	112.7	mm3/stroke	N/A	N/A		
4045	4045HFC04E		I-4	4.5	Liters	86	82.2	2400	mm3/stroke	461	mm3/stroke	1600	96.8	mm3/stroke	N/A	N/A		
4045	4045HFC04F		I-4	4.5	Liters	86	84.6	2200	mm3/stroke	506	mm3/stroke	1600	105.8	mm3/stroke	N/A	N/A		
4045	4045HFC04G		I-4	4.5	Liters	80	80	2200	mm3/stroke	391	mm3/stroke	1600	84.2	mm3/stroke	N/A	N/A		
4045	4045HFC04H		I-4	4.5	Liters	74	70.4	2400	mm3/stroke	391	mm3/stroke	1600	84.2	mm3/stroke	N/A	N/A		
4045	4045HFC04I		I-4	4.5	Liters	80	84.4	2000	mm3/stroke	427	mm3/stroke	1600	89.3	mm3/stroke	N/A	N/A		
4045	4045HFC04J		I-4	4.5	Liters	74	73.5	2200	mm3/stroke	427	mm3/stroke	1600	89.3	mm3/stroke	N/A	N/A		
4045	4045HFC04K		I-4	4.5	Liters	68	69.8	2200	mm3/stroke	333	mm3/stroke	1600	72.2	mm3/stroke	N/A	N/A		
4045	4045HFC04L		I-4	4.5	Liters	63	63.9	2400	mm3/stroke	333	mm3/stroke	1600	72.2	mm3/stroke	N/A	N/A		
4045	4045HFC04M		I-4	4.5	Liters	68	72.8	2000	mm3/stroke	363	mm3/stroke	1600	68.4	mm3/stroke	N/A	N/A		
4045	4045HFC04N		I-4	4.5	Liters	63	64.2	2200	mm3/stroke	363	mm3/stroke	1600	68.4	mm3/stroke	N/A	N/A		
4045	4045HFC04O		I-4	4.5	Liters	110	107.4	2200	mm3/stroke	540	mm3/stroke	1600	113.8	mm3/stroke	N/A	N/A		
4045	4045HFC04P		I-4	4.5	Liters	99	115.1	1800	mm3/stroke	525	mm3/stroke	1800	115.1	mm3/stroke	N/A	N/A		
4045	4045HFC04Q		I-4	4.5	Liters	80	92.6	1800	mm3/stroke	424	mm3/stroke	1800	92.6	mm3/stroke	N/A	N/A		
4045	4045HFC04R		I-4	4.5	Liters	80	77.1	1800	mm3/stroke	355	mm3/stroke	1800	77.1	mm3/stroke	N/A	N/A		
4045	4045HFC04S		I-4	4.5	Liters	80	106.7	1500	mm3/stroke	508	mm3/stroke	1500	106.7	mm3/stroke	N/A	N/A		
4045	4045HFC04E		I-4	4.5	Liters	67	90.8	2200	mm3/stroke	427	mm3/stroke	1500	90.8	mm3/stroke	N/A	N/A		
4045	4045HLV73		I-4	4.5	Liters	99	98.2	2200	mm3/stroke	540	mm3/stroke	1600	113.2	mm3/stroke	N/A	N/A		
4045	4045HLV76		I-4	4.5	Liters	94	92.5	2200	mm3/stroke	519	mm3/stroke	1600	107.9	mm3/stroke	N/A	N/A		
4045	4045HLV78		I-4	4.5	Liters	94	93.4	2200	mm3/stroke	519	mm3/stroke	1600	107.9	mm3/stroke	N/A	N/A		
4045	4045HMC05A		I-4	4.5	Liters	99	96.8	2200	mm3/stroke	540	mm3/stroke	1600	113.7	mm3/stroke	N/A	N/A		
4045	4045HMC05B		I-4	4.5	Liters	104	102	2200	mm3/stroke	540	mm3/stroke	1600	113	mm3/stroke	N/A	N/A		
4045	4045HP075		I-4	4.5	Liters	90	93.6	2000	mm3/stroke	480	mm3/stroke	1600	101	mm3/stroke	N/A	N/A		
4045	4045HPRNT11		I-4	4.5	Liters	94	93.4	2200	mm3/stroke	519	mm3/stroke	1600	107.9	mm3/stroke	N/A	N/A		
4045	4045HPRNT14		I-4	4.5	Liters	109	99.6	2200	mm3/stroke	577	mm3/stroke	1600	123.1	mm3/stroke	N/A	N/A		
4045	4045HT096		I-4	4.5	Liters	94	107.5	2200	mm3/stroke	577	mm3/stroke	1600	123.1	mm3/stroke	N/A	N/A		
4045	4045HT096		I-4	4.5	Liters	94	93.4	2200	mm3/stroke	519	mm3/stroke	1600	107.9	mm3/stroke	N/A	N/A		



STAINLESS STEEL HOPPER LIFETIME WARRANTY OPTION LIFETIME LIMITED WARRANTY STATEMENT

TYMCO, Inc. warrants to the original owner of a TYMCO Model 600 Regenerative Air Sweeper, purchased with a Stainless Steel Hopper, the following:

TYMCO will repair or replace, at its sole discretion, a Model 600 Hopper weldment that has failed due to defective materials, poor workmanship, rust, corrosion, or faulty manufacture. This warranty does not cover damage due to negligence, excessive abuse, improper operation, or improper maintenance procedures. Additionally, this warranty does not cover internal components such as screens, dust separator, suction inlet or wear liners and other removable components.

This warranty is not transferable.



REGENERATIVE AIR SWEEPER® WARRANTY

TYMCO REGENERATIVE AIR SWEEPERS ("TYMCO Product") are warranted to be free from defective materials and workmanship for a period of 12 months or 1,000 hours from date of delivery and such period being hereinafter referred to as "warranty period." It is the sole responsibility of the dealer in whose territory the TYMCO Products are used, with respect to the warranty period to replace, free of charge, F.O.B. Waco, Texas, any original TYMCO part or parts which may prove to be defective due to defective workmanship or materials within the warranty period. This warranty does not apply to instances where there has been use of unauthorized parts or changes to the TYMCO Product, whether done voluntarily or by incompetence, carelessness, negligence, accident or need of attention upon the part of the purchaser, agents, employees or other parties.

This warranty shall not cover normal maintenance and adjustments, and shall not include, nor shall Seller or TYMCO be liable or responsible for, material for normal wear and usage.

TYMCO reserves the right to change the design and construction of the TYMCO Product when, in its sole discretion, any such change represents an improvement to the TYMCO Product.

All non-Tymco purchased equipment and accessories are subject to that manufacturer's guarantee to the extent that such guarantee may apply and are not subject to this warranty nor to any implied warranty by TYMCO or the Seller.

THIS WARRANTY BY TYMCO AND/OR SELLER IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NEITHER TYMCO NOR SELLER SHALL BE LIABLE FOR ANY DAMAGES OF ANY KIND OR NATURE, WHETHER DIRECT OR INDIRECT, INCIDENTAL OR CONSEQUENTIAL WITH RESPECT TO THE SALE, USE OR PURCHASE OF THE TYMCO PRODUCT. FURTHER, NEITHER TYMCO NOR SELLER SHALL BE LIABLE FOR ANY DAMAGES BY REASON OF LOSS OF PRODUCTION, DOWN TIME, LOSS OF PROFITS OR LOSS OF INCOME ARISING FROM ANY REASON WHATSOEVER.

NO PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTIES OR TO ASSUME ANY OTHER LIABILITY ON TYMCO'S BEHALF UNLESS MADE IN WRITING BY TYMCO, AND NO PERSON IS AUTHORIZED TO GIVE ANY WARRANTIES OR TO ASSUME ANY LIABILITIES ON THE SELLER'S BEHALF UNLESS MADE IN WRITING BY THE SELLER.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.



2023 MY Freightliner Warranty Information

2023 Model Year CARB 22 Certification

- a. Includes CARB Certification Decal
- b. Includes Cummins Aftertreatment 5 Year / 150,000 Mile Extended Warranty

2023 Model Year Cummins Engine 5 Year / 150,000 Mile Extended Warranty

- a. Includes ***Cummins Protection Plan 1*** coverage of parts and labor warranty claims on internal components and major engine systems, including the following:
 - i. Turbocharger
 - ii. Water Pump
 - iii. Air Compressor
 - iv. Fuel Pump
 - v. Select Engine Sensors and Fuel Injectors
 - 1. Excludes the after treatment injector
 - vi. Acumen Module
 - vii. Cylinder Head Assembly
 - viii. Rocker Lever Assembly
 - ix. ECM
 - x. Pistons, Rings and Liners
 - xi. Cylinder Block Assembly
 - xii. Front Gear Cover
 - xiii. Oil Pan
 - xiv. Connecting Rod Assembly
 - xv. Lube Pump Assembly
 - xvi. Camshaft and Bushings
 - xvii. Cam Follower Assemblies
 - xviii. EGR Coller, Valve, and Mixer
 - xix. Crank Shaft Assemblies

*All coverages exclude non-Cummins-supplied components.