



The Crosswind Fury. Same great performance in a new, compact size.

Setting a new standard for municipalities that want powerful cleaning but may not need a full-size sweeper, the Elgin Crosswind Fury unites the technology of regenerative air with a compact body. Powerful enough to sweep a wide range of streets, maneuverable enough to reach into alleys and navigate narrow roads.

From the comfortable cab with operator-friendly controls to the compact, powerful cleaning system, the Crosswind Fury has been created to the exacting quality standards that have made Elgin the world’s leading sweeper manufacturer. Customized with your choice of options, the Crosswind Fury is designed to easily fit your needs. And with a worldwide, factory-trained dealer network, you can be assured of complete satisfaction long after delivery.

Crosswind Fury Powerful performance in a compact size.



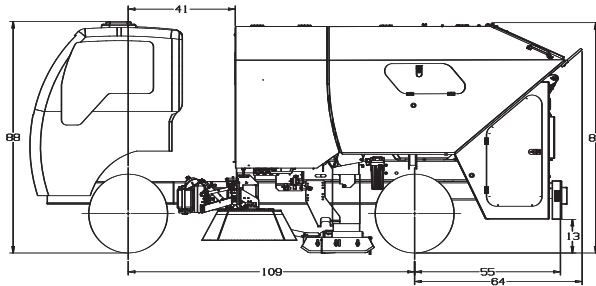
Hydraulic Door Latch
The hydraulic hopper dump door has a watertight seal and open/close selections, allowing the operator to throw in larger objects, bags or trash without having to manually open.



Maintenance Access
Access to all engine and sweep system components is easy with Crosswind Fury’s gull wing doors and 90-degree tilting hopper. For added maintenance convenience, the blower housing is independent of the hopper.



LifeLiner® Hopper System
Introducing the LifeLiner® hopper system, a specially designed hopper liner and finish system that greatly improves the life, durability, and functionality of a sweeper hopper.



-----Basic Specifications

- Chassis: Isuzu® cab-over chassis rated at 17,950 lb GVW
- Wheelbase: 109 in (2,769 mm)
- Overall Length: 215 in (5,461 mm)
- Auxiliary Engine: 60 hp John Deere® 4024TF270, 4-cylinder, turbocharged diesel
- Blower: 10 vane, 30 in (762 mm) diameter, closed-face turbine fan
- Dust Suppression: 105 gal (397 L) removable polyethylene tank
- Trailing Arm Side Broom(s): 36 in (914 mm) diameter
- Hopper (volumetric): 4.4 yd³ (3.36 m³)
- Sweep Path: Pick-up head only – 80 in (2,032 mm) Pick-up head and 1 side broom – 105 in (2,667 mm) Pick-up head and 2 side brooms – 130 in (3,302 mm)

Additional Options (partial list)

- Additional 92-Gallon Water Tank
- Low Hydraulic Oil Shutdown
- Front Spray Bar
- Hopper Drain
- Hopper Vibrator
- Auxiliary Hydraulic Pump
- LifeLiner® Hopper
- Full Light Bar
- Rotating Beacon
- Toolbox Light
- Litter Hose
- Extended Warranty
- Consult Factory for Additional Options
- LifeLiner®

Value-Added Services

- Elgin’s commitment to the customer continues long after the sale.
- On-Time Delivery
 - Factory-Trained, Worldwide Dealer Network
 - Genuine Performance-Matched Parts
 - Elgin Training Center

Your local Elgin Dealer is:

Warranty

Elgin Sweeper Company backs the Crosswind Fury sweeper with a one-year, limited warranty. The Crosswind Fury 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 details.

1300 West Bartlett Road • Elgin, Illinois 60120-7529
Phone: 847-741-5370 • Fax: 847-742-3035
E-mail: sales@elginsweeper.com • www.elginsweeper.com

©2006 Federal Signal Corporation. Federal Signal Corporation is listed on the NYSE by the symbol FSS. Some items shown may be optional. Specifications subject to change without notice. P/N 0705357-A Effective 10/06



A CLOSER LOOK:

Powerful, Compact Cleaning System

The powerful cleaning system is comprised of four key components:

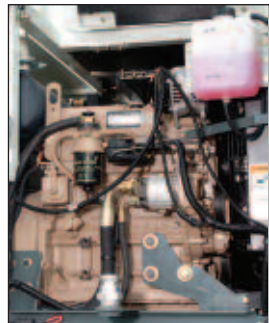
- Highly efficient air conveyance system
- High-productivity sweep system
- Superior water system for dust suppression
- Efficient debris containment and dump system

1 Efficient Air Conveyance System

Blower: At the heart of the Air Conveyance system is a 10 vane, 30 in (762 mm) diameter, closed-face turbine fan constructed from abrasion-resistant steel and driven by a powerful auxiliary engine. The efficient, closed-face design reduces fuel consumption yet provides strong airflow for outstanding pick-up capability. The blower is driven by a low maintenance, 3 "V" groove power belt with an automatic belt tensioner on the blower drive belt for easy maintenance and maximum performance. A built-in, vacuum-enhancer system allows the operator to control the amount of blast air entering or exiting the pick-up head, enabling the Crosswind Fury to easily adapt to different sweeping applications.

Two remote grease fittings allow quick and easy greasing of the fan bearings. And an inspection door is built into the blower housing for simplified examination and preventative maintenance. The blower housing, built of 10-gauge (3.4 mm) steel, is not integral to the hopper and can be easily replaced if necessary. A wear-resistant rubber lining extends fan housing life.

Auxiliary Engine: The 60 hp John Deere® 4 cylinder, turbocharged diesel engine powers the sweep system. The engine is equipped with auto-shutdown in the event of low oil pressure or high coolant temperature. The operator is notified via an indicator light.



Engine Enclosure: With superior insulation and convenient gull wing doors, the engine enclosure reduces in-cab and drive-by noise levels while protecting the engine. When opened, all components for maintenance checks and daily service are freely accessed. Most service items such as the fuel pump, oil dipstick, radiator and electrical components can be checked from the ground level without raising the hopper.

2 Productive Sweep System

The powerful sweep system consists of a 36 in (914 mm) diameter side broom (dual brooms optional) and an 80 in (2,032 mm) wide regenerative air pick-up head.

Side Broom(s): The 36 in (914 mm), free-floating trailing arm side broom(s) are hydraulically driven and built with

fewer parts and greaseless pivot pins for easy maintenance and service. Steel plate disc construction and the free-floating design help prevent damage if the broom hits an obstruction while sweeping. In addition, it protects segments from excessive curb contact, which increases broom life. The full sideways oscillation and in-cab controlled down pressure closely follows surface contours for a clean sweep. Brooms can sweep fully extended or in front of the pick-up head for additional scrubbing action in tough, compact material. Side broom down pressure and optional tilt are controlled from in the cab to quickly adjust to the sweeping conditions.

Pick-Up Head: The 80 in (2,032 mm), regenerative air, steel pick-up head is spring-balanced, has heavy-duty, replaceable rubber curtains and is hydraulically controlled from in-cab for long life and reliable performance. Sweeping is possible in forward or reverse if the application requires it. The 10 in (254 mm) diameter, sturdy, steel-wire reinforced rubber suction hose accepts bulky debris and features quick-disconnect for inspection and maintenance. Hoses can be easily rotated for extended life.

The brooms and pick-up head combine to produce a wide sweeping path:

- Pick-up head only – 80 in (2,032 mm)
- Pick-up head and one side broom – 105 in (2,667 mm)
- Pick-up head and two side brooms – 130 in (3,302 mm)

3 Superior Water System for Dust Suppression

The water system effectively suppresses dust during sweeping. Featuring a 105 gal (397 L), removable polyethylene tank, with an optional 92 additional gal (348 L) for extended sweeping time, the Crosswind Fury stops less often to refill the tanks. Water can be conveniently filled from either side of the sweeper, and the opaque color tanks make it easy to view water levels. The tank frame extends across the width of the chassis for optimal front axle loading and weight distribution.

Three spray nozzles are located at each side broom, one spray nozzle in the hopper inlet and two removable water-spray nozzles are on the lower portion of the suction hose, reducing dust and providing airflow system lubrication. All water lines are color-coded green, and fittings are Prestomatic Push-To-Lok for simplified maintenance.



4 Efficient Debris Containment and Dumping System

Hopper: The Crosswind Fury's 4.4 y³ (volumetric) hopper (3.36 m³), constructed of 10-gauge (3.4 mm) steel, features a free airflow design that enhances pick-up through the tube and airflow through the screens, resulting in a decreased likelihood of clogging. An abrasion-resistant steel inlet deflector directs debris flow to the center of the hopper, ensuring even, efficient material loading for maximum capacity. Hopper screens are easily accessible from the top of the hopper for cleaning. The hydraulic hopper dump door with open/close selection provides a watertight seal. In addition, it allows the operator to throw in larger objects, bags or trash without having to manually open the door.

Dust Separator: The hopper includes a top clean-out door that provides unparalleled access and cleaning capabilities of the hopper screen and dust separator. The built-in centrifugal dust separator positioned at the air-return outlet of the hopper features a self-opening, abrasion-resistant steel door, which allows the debris to be easily discharged during dumping.

Dumping: Lifted by two hydraulic cylinders controlled from in-cab, the hopper easily dumps debris into containers as high as 72 in (1,829 mm). With a 93-degree dump angle, material slides effortlessly into the dumpster. Outside cab dump controls are also available. An optional hopper vibrator and drain further enhance the dumping process. Also available is an optional electric/hydraulic system that operates the dump cycle of the hopper without the use of the auxiliary engine.



5 Operator-Friendly Control System

The Crosswind Fury is built on an Isuzu® cab-over chassis rated at 17,950 lb GVW, for superior visibility and a high level of operator comfort and safety. Controls for all sweep, water and lighting functions are on a centrally mounted console with simple rocker switches. The console has been ergonomically designed for high visibility, ease of use and intuitive placement of commonly used control switches. This simplifies training, reduces fatigue and increases operator efficiency.

A complete set of gauges, including auxiliary engine coolant temperature, oil pressure, charging voltage, hour meter and engine speed, provide visual feedback of machine performance at all times.



THE ELGIN CROSSWIND FURY. COMPACT, POWERFUL PERFORMANCE.

6 Easy Access Maintenance

Wiring harnesses are color-coded and hot-stamped with function for easy maintenance and troubleshooting. All connectors are weatherproof to prevent shorts caused by moisture. Greasing of the fan bearings can be accomplished without raising the hopper.



7 Large Toolboxes

The Crosswind Fury's two large rear toolboxes provide enough storage capacity for backpack blowers, a full-size spare tire, tools and other items needed on the job. An inter-connecting steel tube allows the pass-through of handles of brooms, rakes or similar equipment. Toolboxes are protected by a full-width, heavy-duty steel bumper.



Options

Litter Hose: A litter hose for picking up material outside the sweep path is available. Adding versatility and improved operator productivity, the hose is constructed of heavy-duty plastic and easily fits into the rear storage compartment.

PM10 Water System Option: Highly efficient dust control system passes California's fugitive dust control standards (Rule 1186, PM10). Includes a 40 psi @ 7 gpm self-priming pump.



To learn more about the Crosswind Fury difference, talk with your Elgin dealer or visit www.elginsweeper.com.