

**MASS ACCUMULATION. MAJOR FRUSTRATION.  
CLEAR IT ALL.**



## H-SERIES XF BROOM

The Oshkosh® H-Series™ XF Broom is built for the ultimate in performance and innovation. Optional automatic functions make easy work of airport snow removal and save transition time at the end of the runway. Easy access to maintenance checkpoints and electrical components simplifies serviceability and maximizes uptime. This, along with unsurpassed visibility from the H-Series cab, ensures nothing gets in the way of your performance.

**TAKE BACK THE RUNWAY.**

### PERFORMANCE FEATURES

#### Heavy-Duty Construction

- Oshkosh® heavy-duty single piece frame
- Oshkosh designed and tested transfer case/axles
- 46 in. (1,168 mm) diameter rotary power broom for high speed snow removal
- Oshkosh ALL STEER® system
- Oshkosh Command Zone™ CAN control system with self diagnostics
- Corrosion resistant aluminum cab with fiberglass roof and fascia
- Full-length stainless steel piano type door hinges
- EPA Tier IV final compliant engines

#### Built-In Control and Improved Operator Safety

- 70 in. (1,778 mm) wide cab
- Two full-size seats for driver and supervisor/training officer
- Two doors, power roll-down windows and cup holders
- Emergency stop button for broom engine and broom head
- Joystick operates only when driver is ready

#### Superior Visibility

- Elimination of corner posts opens view of the runway
- Quad electric windshield wiper system
- 55,000 BTU heater/defrost system with digital climate control
- Rear three-quarter windows eliminate blind spots
- Light bars are placed out of sight lines
- Lower front windows provide clear view of attachments
- 1-piece panoramic reverse slope windshield
- Tinted safety glass

# INNOVATIVE. EFFECTIVE. THE H-SERIES XF BROOM.

OSHKOSH

AIRPORT  
PRODUCTS

H-SERIES  
XF BROOM

## CHASSIS

### Front Axle

- Oshkosh® Model 27K, single reduction with special heat treated alloy steel shafts, driver-controlled traction differential and Oshkosh cage ring type steering ends
- 6.17:1 ratio

### Rear Axle

- Eaton full floating, single reduction with special heat treated alloy steel shafts and driver-controlled traction differential
- 6.14:1 ratio

### Air Brakes, Parking and Emergency

- Secondary emergency system – modulated split type
  - Auxiliary air inlet, left side
  - Quick drain lanyards on all tanks

### Brakes and Service

- Dual system, air operated mechanical
- Electronic antilock brake system (4S4M)
- Compressor – 30 cfm

### Standard Accessories

- National Standard Plus air ride driver seat, right of center
- 55,000 BTU heater/defroster
- Digital climate control
- 12V power outlet (2), USB power outlet (2)
- Cup holders (2)
- Electronic engine controls with on-board diagnostics integral with Oshkosh Command Zone™ system
- Electric remote control heated West Coast type mirrors
- Fresh air type heater and defroster
- LCD dash display
- Light bars
- Heated windshield
- Quad electric windshield wipers mounted above windshield with intermittent speed control
- Side window defrosters
- Tilt/telescoping steering wheel
- Windshield washer, 6 qt. (5.7 L)
- Single side fuel fill

### Instrumentation

- Oshkosh Command Zone LCD dash pod on steering column
- Chassis and broom head functions and icons

### Equipment

- Dual 125 gal. (473 L) fuel tanks
- Full catwalks
- Heated fuel/water separator
- 1-piece molded fiberglass tilting engine cover, carrier engine

### Drive Engine

- Scania DC13, inline 6 cylinder, 12.7 liter
- Horsepower – 350 hp @ 1,800 rpm
- Peak torque – 1,254 lbs.-ft. @ 1,200 rpm
- Governed rpm – 1,800

### Electrical System

- Alternator
  - 100 A drive engine driven
  - 100 A broom engine driven
- Lighting and starting – 24V
- Battery – (4) 950 CCA each @ 0°F (-18°C), 1,900 CCA total (24V starting, 12V auxiliary)

### Frame

- Single formed channel made of carbon manganese steel, heat treated
- Yield strength – 120,000 psi (827 Mpa) minimum
- RBM – 2,818,000 in.-lb. per rail (max)
- Construction – Grade 8 flanged bolts and flanged locknuts

### Lighting

- Cab-mounted headlights with turn signals
- Clearance and marker lights to comply with federal regulations
- Fender-mounted headlights and turn signals
- Roof-mounted strobe light
- Dual stop, tail, turn signal lights (LED) at rear

### Steering System

- Sheppard XD120 integral hydraulic power gear
- Chassis hydraulics warning system – low level/high temperature

### Suspension

- Front – Hotchkiss, semi-elliptic spring
- Rating – 27,000 lbs. (12,247 kg)
- Rear – Hotchkiss, semi-elliptic spring
- Rating – 23,000 lbs. (10,433 kg)

Tires: 395/85R20, 20 ply

### Transfer Case\*

- Oshkosh 30000 Series, bevel gear, auto-locking
- 1.271:1 ratio

Transmission: Allison® Rugged Duty Series, 6-speed electronic

### Vehicle Ratings at Axle Hubs

- Front – 27,000 lbs. (12,247 kg)
  - Rear – 23,000 lbs. (10,433 kg)
  - Total – 50,000 lbs. (22,680 kg)
- Wheelbase: 164 in. (4,166 mm)

### Wheels

- Steel disc
- 20 x 10 in. (508 x 254 mm)

## OSHKOSH BROOM AND POWER TRAIN

### Pump Drive

- Funk 59000
- Lubrication – pressurized system

### Broom Engine

- Scania DC13 inline 6 cylinder, 12.7 L
- Horsepower – 350 @ 1,800 rpm
- Peak torque – 1,696 lbs.-ft. @ 1,200 rpm
- Governed rpm – 2,100
- Heated fuel/water separator

### Broom Core

- 18 ft. (5.5 m) wide
- 50/50 poly/wire SIB cassette bristles
- 46 in. (1,168 mm) diameter

### Head

- 180/70 R8 casters (2)
- 35 degree swing angle
- 525 rpm with 4828 lbs.-ft. of available torque at the broom shaft
- Oshkosh weight transfer system
- Oil bath core center bearing
- Broom oscillation of 8 degrees

### Controls

- Oshkosh SmartPattern for automatic pattern adjustment
- Ground speed control
- Integrated joystick controls

### Cooling System

- Radiator core (auxiliary) – fin and tube type with deaeration system
- Mechanical fan clutch – temperature controlled clutch
- Premium radiator hoses
- Coolant filter

## BROOM OPTIONS

- 20 and 22 ft. (6.1 and 6.7 m) head widths (4 casters)
- Cassette style bristles
- Wafer style bristles
- Wire or poly bristle options
- Snow shedding hood
- Ether start
- Integral engine fuel heater
- Auxiliary engine oil heater
- Broom head vibrator
- Broom engine – Scania DC13, 500 hp @ 1,800 rpm, 1,696 lbs.-ft. @ 1,200 rpm
- Dual forced air blowers – 13,400cfm @ 231 mph (372 k/ph)

## CHASSIS OPTIONS

### Accessories

- 20 gal. (75.7 L) cab deluge
- Air conditioning
- Heated driver's seat
- Side window wipers

### Drive Train

- Scania DC13 500 hp @ 1,800 rpm, 1,696 lbs.-ft. @ 1,200 rpm
- 29K front axle rating
- Oshkosh ALL STEER® electronic all wheel steering system (23K and 26K rear only)

### Electrical System

- HID, LED, and other lighting packages
- On-board battery charger (20 A self regulating)
- 150 A alternator on drive engine

### Frame and Chassis

- Centralized side drain kit
- Heated Expello valves
- Heated wiper blades
- 120V/240V engine and coolant heaters
- 120V/240V transmission heater
- 120V/240V fuel tank heaters
- 120V/240V battery box heaters
- Aluminum fuel tanks with B20 fuel compatibility

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\*Versions are available with rear axle disconnect, bevel gear center differential with driver-controlled lock or automatic (Dorr-Miller) differential.