

**THE AIRFIELD. THE STRESS.
TAKE CONTROL OF IT ALL.**



H-SERIES CHASSIS

The H-Series™ snow chassis was built around the specific needs of those who manage extreme snow removal at airports around the globe. Advances in visibility, reliability, power and flexible accessory integration (blowers, plows, scrapers and brooms) come standard. The 24/7 world-class service and support come with the Oshkosh name.

TAKE BACK THE RUNWAY.

PERFORMANCE FEATURES

Heavy-Duty Construction

- Oshkosh® heavy-duty single piece frame
- Oshkosh designed and tested transfer case/axles
- 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 2010 compliant drive engine
- Adaptable to any broom/plow attachments

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 open up view of attachments
- 1-piece panoramic reverse slope windshield
- Tinted safety glass

Built-In Comfort and Improved Operator Safety

- 70 in. (1,778 mm) wide cab
- 2 full-size seats for driver and supervisor/training officer
- 2 doors, power roll-down windows and cup holders
- Joystick operates only when driver is ready
- Full-length walkway with handrails

VERSATILE. RELIABLE. THE H-SERIES CHASSIS.



H-SERIES
CHASSIS

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

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 17427, 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:

- Type – dual system, air operated mechanical
- Electronic antilock brake system (4S4M)
- Compressor – 18.7 cfm

Standard Accessories:

- National Standard Plus air ride driver seat, right of center
- 55,000 BTU heater/defroster
- Digital climate control
- 12V power outlet (1)
- 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
- Quad electric windshield wipers mounted above windshield
- Self-canceling turn signals
- Side window defrosters
- Tilt/telescoping steering wheel
- Windshield washer, 6 qt. (5.7 L)

Instrumentation: Oshkosh Command Zone LCD dash pod on steering column

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:

- Cummins ISX 11.9 L in-line 6 cylinder, 4 cycle
- Displacement – 729 in³ (11.9 L)
- Horsepower – 350 @ 1,800 rpm
- Peak torque – 1,350 lbs.-ft. @ 1,200 rpm
- Governed rpm – 2,100

Electrical System:

- Alternator – 200A, chassis engine driven
- Lighting and starting – 12V each
- Battery – (4) 12V, 950 CCA each @ 0°F (-18°C), 3,800 CCA total

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
- Construction – Grade 8 flanged bolts and flanged locknuts

Lighting:

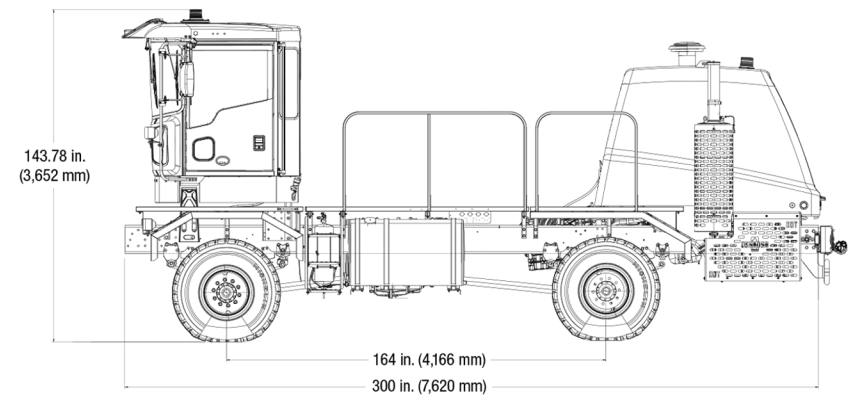
- Cab-mounted headlights with turn signals
- Clearance and marker lights to comply with federal regulations
- Fender-mounted headlights and turn signals
- Roof-mounted strobe light
- Dual stop, tail, turn signal lights (LED) at rear

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 – 18,000 lbs. (8,165 kg)

Tires: 395/85R20, 20 ply

Transfer Case*:

- Oshkosh 55000 Series, rear axle declutch
- 2.66:1 and 0.98:1 ratios

Transmission: Allison® Rugged Duty Series 4-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)

CHASSIS OPTIONS

Accessories

- Integral A/C
- Heated windshield
- Side window wipers

Drive Train:

- Cummins 385, 425, 500 engines
- 29K front axle rating
- Oshkosh ALL STEER® electronic all wheel steering system (23K, and 26K rear only)
- Driver controlled and automatic lock/unlock transfer case

Electrical System:

- HID and other lighting packages
- On-board battery charger (20A self regulating)
- 270A alternator

Frame and Chassis:

- Single side fuel fill
- Centralized side drain kit