

**UNFORGIVING CONDITIONS-
MEET THE IRRESISTIBLE FORCE.**



XRS EXTREME RUNWAY SYSTEM

The XRS is a faster, simpler way to handle the most severe winter climate conditions. The sheer size is awe-inspiring, but it's the capability that is most impressive. By combining a Blower, Plow, Sweeper and Air Blower in one unit, the runway clearing process is simplified. There's less equipment, fewer operators and one platform for maintenance and training.

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

Blower Head

- Designed and built for the most severe snow conditions
- Proven 2-stage design snow blower head
- Dual, variable speed hydro static ribbons
- Clears snow widths up to 20 ft. (6 m) in a single pass

Enhanced Fleet Operations

- Single piece of equipment for snow removal operations
- Reduces number of vehicles in runway conga line
- Enhanced operator utilization
- Ready for towed broom integration

UNYIELDING. UNCOMPROMISING. THE ALL-NEW XRS.

THIS SPECIAL PLOW/BLOWER/SWEEPER CHASSIS IS CAPABLE OF INTEGRATION WITH THE LARGEST CURRENT SELF-STEERING ARTICULATING SWEEPERS TO PLOW/BLOW/SWEEP AS ONE INTEGRAL UNIT.

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:

- Dual system, air operated mechanical
- Electronic antilock brake system (4S4M)
- Compressor – 15.7 cfm

Instrumentation:

- Oshkosh Command Zone™ LCD dash pod on steering column
- Chassis and blower 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:

- 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)

OSHKOSH BLOWER HEAD AND POWER TRAIN

Clutch:

- Hydraulic SAE No. 1 housing, engage/disengage
- 14 in. (356 mm) 3 plate

Drop Box:

- Oshkosh 2 Speed
- 1.5/1.89 ratios
- Lubrication – pressurized system

Blower Engine (4 Cycle):

- Caterpillar® C-18, in-line 6 cylinder, 4 cycle
- Displacement – 1,105 in³ (18.1 L)
- Horsepower – 575 @ 2,100 rpm
- Peak torque – 1,938 lbs./ft. @ 1,400 rpm
- Governed RPM – 2,250
- Heated fuel/water separator

Ribbon Augers:

- Dual in-feed 71.5 in. (1,816 mm) diameter, tapered to 48.5 in. (1,232 mm), by 100 in. (2,540 mm) long
- Wing-mounted, left and right hand, at 45° angle to direction of travel
- Hydraulic override and relief
- Reversible ribbon drive

Impeller:

- 73 in. (1,854 mm) diameter, 6 blades, 2 shear bolts in impeller shaft flange
- Impeller housing fully lined with UHMWPE
- 4.89:1 planetary reduction
- Individually removable impeller blades
- Rotating impeller chute housing, thru 120° total swing, left to right

Blower Head:

- Overall dimensions:
 - Length 206.8 in. (5,254 mm)
 - Width 237.8 in. (6,039 mm) – exceeds sweeping path of largest sweepers
 - Height 97.3 in. (2,471 mm)
 - Gross weight 23,000 lbs. (10,433 kg)
 - Left and right wing-mounted, self lifting bogie wheel sub-assemblies
 - Hydraulic lift, 4.5 in. (114 mm) bore x 12.38 in. (314 mm) stroke
 - 30.3 in. (770 mm) dual bogie pneumatic rubber caster tires, mounted on each bogie lift
 - Zerothane rubber composite cutting edges
 - Abrasion resistant SETCO rubber skid shoes, individually spacer height adjustable
 - Removable ribbon flights
- Cooling System:**
- Radiator core (auxiliary) – fin and tube type with de-aeration system
 - Fan – temperature controlled clutch
 - Spin on coolant filters
 - Silicone radiator and heater hoses

BLOWER OPTIONS

Blower Head:

- Rubber tire casters with weight transfer system
- Spot casting loading chute

Blower Engine:

- Caterpillar® C18 high speed, 700 hp

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

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 with intermittent speed control
- Side window defrosters
- Tilt/telescoping steering wheel
- Windshield washer, 6 quarts (5.7 L)



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*Various configurations available.