

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



**XRS**  
EXTREME RUNWAY SYSTEM

**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 Plow, Blower, 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.**

**OSHKOSH**  
AIRPORT  
PRODUCTS

## PERFORMANCE FEATURES

### Heavy-Duty Construction

- Oshkosh® heavy-duty single piece frame
- Oshkosh designed and manufactured 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-IN-ONE XRS.



**XRS**  
EXTREME RUNWAY SYSTEM

[oshkoshairport.com](http://oshkoshairport.com)

+1 920 235 9151

\*Various configurations available.

## CHASSIS

### Front Axle:

- Oshkosh® Model 29K, 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

### 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

### Drive Engine:

- Cummins ISX 12 L in-line 6 cylinder, 4 cycle

### 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

### Transfer Case\*:

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

### Transmission:

- Allison® Rugged Duty Series, 4-speed electronic
- Front – 29,000 lbs. (12,247 kg)
- Rear – 26,000 lbs. (10,433 kg)
- Total – 55,000 lbs. (22,680 kg)

### Wheelbase:

- 164 in. (4,166 mm)

### Wheels:

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

## OSHKOSH XRS BLOWER HEAD AND POWER TRAIN

### Clutch:

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

### Drop Box:

- Oshkosh 2 Speed
- Lubrication – pressurized system

### Blower Engine (4 Cycle):

- Caterpillar® C-18, in-line 6 cylinder, 4 cycle
- Displacement – 1,105 in<sup>3</sup> (18.1 L)
- Horsepower – 700 @ 2,100 rpm
- Governed rpm – 2,250
- Heated fuel/water separator

### Ribbon Augers:

- Dual in-feed 30 in. (762 mm) diameter x 117 in. (2972 mm) long
- Wing-mounted, left and right hand, at 56° angle to direction of travel
- Reversible ribbon drives, with hydraulic override and relief
- Chain direct drive, powered by 90M Series 55cc fixed displacement hydraulic motors

### Impeller:

- 73 in. (1,854 mm) diameter, 6 blades, 2 shear bolts in impeller shaft flange
- Impeller housing constructed of AR400 plate for high-wear resistance
- Individually removable impeller blades
- Rotating impeller chute housing, thru 160° total swing, left to right

### XRS Blower Head:

- Overall dimensions:
  - Length 143.8 in. (3653 mm)
  - Width 235.2 in. (5,974 mm) – exceeds sweeping path of largest sweepers
  - Height 79.2 in. (2,012 mm)
  - Gross weight 14,420 lbs. (6,541 kg)
- Lift-assist caster wheel sub-assemblies, left and right wing-mounted, 1/16 in. (2 mm) shim adjustable
- Hydraulic lift, 2 in. (51 mm) rod x 1 in. (25 mm) stroke, single acting, 23 in. (584 mm) dual caster pneumatic rubber caster tires mounted on each bogie
- 13 in. (330 mm) hydraulic actuated caster brakes to eliminate caster shimmy
- Abrasion resistant SETCO solid rubber composite bolt-on cutting edge

## TOW BEHIND

### Heavy-Duty Construction:

- High-performance tow broom for multi-function high-speed snow removal
- QSX 11.9 Tier 4i EPA certified broom engine
- Oshkosh designed and manufactured steering axle is heavy-duty and sealed from the elements
- Heavy-duty mechanical landing gear for storage
- Heavy-duty sealed slewing ring bearing design

### Oshkosh® Command Zone™ Broom Control:

- Optional Oshkosh Smart Pattern system knows when brooming occurs and compensates for bristle wear for consistent broom pattern
- Optional ground speed control adjusts broom rpm based upon chassis speed
- Interactive display with joystick and switches integrated in arm rest
- Simultaneous multi-function operations with coordinated broom and air blast movement

### Smart Design:

- 46 in. (1,168 mm) diameter broom available in 18, 20 and 22 ft. (5.5 m, 6.1 m and 6.7 m) widths
- Active weight transfer balances weight distribution and ensures proper broom pattern
- Broom positioning and pattern control from the cab or broom engine enclosure
- Hydraulic system features clean hose routings and single point access for filter replacement
- Electronic broom modules grouped in one accessible location
- Mechanical cooling system is efficient and reliable