



RESPOND
FULL
FORCE

HT-SERIES™ SHOW TRACTOR



SPECS



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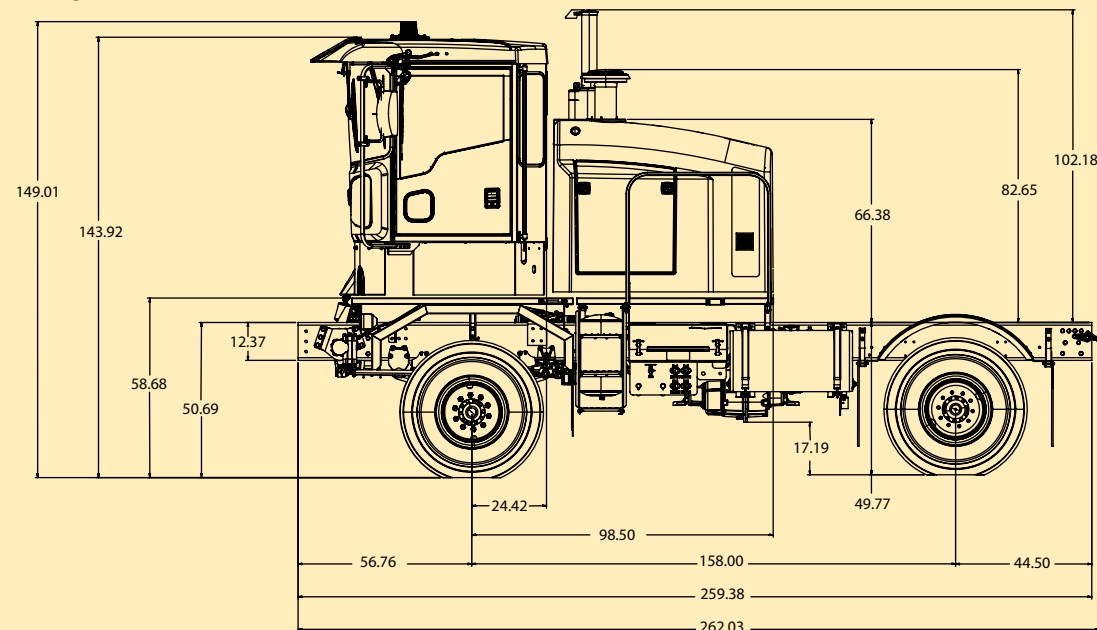
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HT-Series Spec 200 5/07



OSHKOSH® HT-SERIES™ SNOW TRACTOR

MODEL HT2723



CHASSIS SPECIFICATIONS:

AIR CLEANER

Type: Dry, two-stage with safety element
 ■ Underhood/outside air intake selector

AXLE, Front

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

AXLE, Rear

Make & Model: Eaton 231S2, full floating, single reduction with special heat-treated alloy steel shafts and driver-controlled traction differential
Ratio: 6.14:1

AIR BRAKES, PARKING AND EMERGENCY

Type: Spring, mounted on rear axle
Secondary Emergency System: Modulated split type ■ Auxiliary air inlet, left side ■ Quick drain lanyards on all tanks

BRAKES, SERVICE

Type: Dual system, air operated mechanical, Electronic Antilock Brake System (4S4M)
Front: 16.5 x 7 in [419 x 179 mm] S-cam rotary
Rear: 16.5 x 7 in [419 x 179 mm] S-cam rotary
Compressor: 15.7 cfm

CAB CONSTRUCTION

Oshkosh extra heavy duty ■ Corrosion resistant Aluminum body with fiberglass roof and fascia ■ Full-length stainless steel piano type door hinges ■ Fully rustproofed ■ One piece panoramic reverse slope windshield ■ Power windows left and right ■ Stationary rear windows (3) ■ Dome lights (2) ■ Courtesy entry lights (2) ■ Tinted safety glass ■ 70 inch cab width ■ Three-point rubber mount ■ Cab-over construction with flat floor

STANDARD ACCESSORIES

Electric horn ■ National® Standard Plus air ride driver's seat, right of center ■ Fold up cloth passenger jump seat ■ 55,000 BTU heater/defroster ■ Digital Climate Control ■ Cigar lighter (1) ■ 12 volt Power outlet (1) ■ Cup holders (2) ■ Doors, locking (2) ■ Ashtray ■ Electronic engine controls with on-board diagnostic connection ■ Electric remote control heated West Coast type mirrors with separate remote adjustable heated spotter mirrors ■ Ether starting aid, thermally protected, ignition switch activated ■ Keyed chassis engine ■ Floor mat ■ Fresh air type heater and defroster ■ Grab Handles ■ LCD dash display ■ Light bars ■ Quad electric windshield wipers mounted above windshield with intermittent speed control ■ Self-canceling turn signals ■ Side window defrosters ■ Sun visor, full width exterior front ■ Tilt/telescoping steering wheel ■ Windshield washer, 6 quarts ■ Three point seat belts ■ High idle cruise control ■ Digital clock

CHASSIS EQUIPMENT

Air dryer ■ Backup alarm ■ Crankshaft PTO adapter ■ Dual 75 gal [284 liter] fuel tanks ■ Flat top steel fenders front; snow shedding radial polymer fenders rear ■ Catwalks to cab and maintenance access ■ Heated fuel/water separator ■ Mud flaps front and rear of rear tires ■ Molded fiberglass enclosure behind cab with removable side doors for cooling and chassis systems protection ■ Vertical exhaust ■ Maintenance/daily check cluster; left hand side

INSTRUMENTATION

Oshkosh Command Zone™ LCD dash pod on steering column ■ Speedometer ■ Odometer ■ Tachometer ■ Hourmeter (registering engine run hours) ■ Voltmeter ■ Air system pressure

(dual system) ■ Fuel Level with low fuel level warning ■ Warning Icons for: Low Air Pressure, ABS Fail / ABS Communication lost / Engine communication lost / Engine stop / Engine fail mode / Low voltage / Engine overheat / Engine low oil pressure / Transmission overheat – Transmission fail / Transmission communication lost / Hydraulic temperature / Hydraulic fluid level / Parking brake applied / Low transmission oil sensor / Transfer case range / Traction enhancement locked-unlocked / Transmission gear selection

COOLING SYSTEM

Radiator Core: Fin and tube type with built-in deaeration system • Horizontal flow
Frontal Area: 2,143 in² [5,443cm²]
Radiator Construction: Bolted, with built-in deaeration system
Charge Air Cooler: Cooling flow parallel to radiator
Fan: Temperature controlled hydrostatic fan drive

DRIVE ENGINE

Make & Type: Caterpillar, C-13 ACERT, in-line 6 cylinder, four cycle
Displacement: 763 in³ [12.5 L]
Horsepower: 470 @ 2100 RPM; 485 @ 1800 RPM
Peak Torque: 1,650 @ 1,600 rpm
Governed RPM: 2100

ELECTRICAL SYSTEM

Alternator: 145 amp, chassis engine driven
Lighting: 12 volt
Starting: 12 volt
Battery: Four 12 volt, 950 CCA each @ 0°F [-18°C] (3800 CCA total) • Battery disconnect at battery box • Battery charger, 1-1/2 amp trickle type • Jumper lugs at battery box

FRAME

Material: Carbon manganese steel, heat-treated
Type: Single formed channel
Size: 12.38 x 3.88 x .38 in [314 x 98 x 9.5 mm]
Yield Strength: 120,000 psi [827 Mpa] minimum
Tapered Section Modulus: 19.67 to 23.4 in³ [322.34 to 384.94 cm³] per rail
RBM: 2,818,000 in-lb per rail
Construction: Grade 8 flanged bolts and flanged locknuts
Front Frame: DIN Adapter Plate
Rear Tow Hooks: Two
Side Drain Kit

LIGHTING

Cab-mounted headlights with turn signals
 ■ Clearance and marker lights to comply with federal regulations ■ Lighting in enclosure for coolant and chassis systems ■ Fender-mounted headlights and turn signals ■ Roof-mounted strobe light ■ Dual back-up lights ■ Dual stop, tail, turn signal lights (LED) at rear

PAINT

Acrylic urethane ■ Epoxy primer ■ One color from Oshkosh standard color chart

PROPELLER SHAFTS

Make & Type: Dana 1710 Series
Dynamically balanced
Splines: "Glidecoat" treated

STEERING SYSTEM

Make & Type: Sheppard D120 integral hydraulic power gear (with M90 slave for 29K front)
Chassis Hydraulics Warning System: Low level/high temperature

SUSPENSION

Front: **Type:** Hotchkiss, semi-elliptic spring
Main: 7 leaf, 48 x 3 in [1,219 x 76 mm]
Auxiliary: 5 leaf, 39.63 x 3 in [1,006 x 76 mm]
Rating: 27,000 lb [12,247 kg]
Rear: **Type:** Hotchkiss, semi-elliptic spring
Main: 7 leaf, 48 x 3 in [1,219 x 76 mm]
Auxiliary: 5 leaf, 39.63 in [1,006 x 76 mm]
Rating: 23,000 lb [10,445 kg]

TIRES

Make & Tread: Michelin XZL
Size: 395/85R20

TRANSFER CASE*

Make & Model: Oshkosh 55000 Series, front axle declutch
Speeds: Two
Ratios: 2.66:1 and 0.98:1
 *Versions are available with bevel gear center differential with driver-controlled lock, or automatic (Dorr-Miller) differential

TRANSMISSION

ALLISON® GEN IV 4-speed electronic
 1st3.51:1 Reverse4.80:1
 2nd1.91:1
 3rd1.43:1
 4th1.00:1

VEHICLE RATINGS

Ratings at Axle Hubs:
Front: 27,000 lb [12,247 kg]
Rear: 23,000 lb [10,455 kg]
Total: - 50,000 lb [22,727 kg]

WHEELBASE

158in [4,013 mm]

WHEELS

Type: Steel Disc
Size: 20.00 x 10.00 in



CHASSIS OPTIONS*

Accessories: Air conditioning ■ Auxiliary heater ■ Heated side window wipers ■ Heated front wipers (n/a with heated windshield) ■ National Premium heated driver's seat with 3-way air adjustable lumbar support ■ Air ride seat for passenger ■ AM/FM radio with weather band & CD player ■ Deluge system ■ Heated windshield ■ Lubrication data plate
Attachments: Displacement plow packages ■ Underbody scraper ■ Fifth Wheel for various

towed attachments ■ Dump bodies ■ Material spreaders

Drive Train: Caterpillar® C-13 engines rated at 380 HP (1,450 lb/ft torque), 470 HP (1,550 lb/ft torque) ■ Allison® GEN IV 4500 transmission ■ 29K front axle ■ 26K rear axle; 46K, 52K or 58K rear tandem axle ■ ALL STEER® electronic all-wheel steering system (23K or 26K rear single axle; 46K or 52K rear tandem axle) ■ Driver controlled and automatic lock/unlock transfer case differentials

Electrical System: 160 amp high-output alternator ■ HID and other lighting ■ On-board battery charger, 20 amp self regulating

Frame & Chassis: Single side fuel fill ■ 110-volt in-tank fuel heater ■ Pintle hitch

Tires & Wheels: 16R20 Michelin XZL ■ Spare tires & wheels

Winterization: Engine block heater, 1500 watts ■ Battery heater, 300 watts ■ In-tank fuel heater

* Consult factory for complete option list and option compatibility. Other engine ratings may be available.