

RESPOND
FULL
FORCE

P-SERIES™ CHASSIS



SPECS

OSHKOSH

OSHKOSH® P-SERIES CHASSIS

VEHICLE RATINGS

RATINGS AT AXLE HUBS

MODEL	FRONT	REAR	TOTAL
P-2526	25,000 lb [11,340 kg]	26,000 lb [11,793 kg]	51,000 lb 23,133 kg]
P-2530	25,000 lb [11,340 kg]	30,000 lb [13,608 kg]	55,000 lb [24,948 kg]
P-2546	25,000 lb [11,340 kg]	46,000 lb [20,866 kg]	71,000 lb [32,205 kg]
P-2552	25,000 lb [11,340 Kg]	52,000 lb [23,590 Kg]	77,000 lb [34,930 Kg]
P-2558	25,000 lb [11,340 Kg]	58,000 lb [26,300 Kg]	83,000 lb [37,640 Kg]

RATINGS AT GROUND*

MODEL	FRONT GAWR	REAR GAWR	TOTAL GVWR
P-2526	25,000 lb [11,340 kg]	25,600 lb [11,612 kg]	50,600 lb [22,952 kg]
P-2530	24,600 lb [11,158 kg]	27,600 lb [12,519 kg]	52,200 lb [23,677 kg]
P-2546	24,600 [11,158 kg]	46,000 lb [20,866 kg]	70,600 lb [32,024 kg]
P-2552**	25,000 lb [11,340 Kg]	52,000 lb [23,590 Kg]	77,000 lb [34,930 Kg]
P-2558**	25,000 lb [11,340 Kg]	58,000 lb [26,300 Kg]	83,000 lb [37,640 Kg]

*Ratings are established by federal rules. Certified GVWR figures may differ slightly from the above figures and may vary with tire size and speeds.

** Ratings reflect 1600R20 Michelin XZL tires. Consult factory for details

AIR CLEANER

Make and Type - Donaldson ECG dry type, two stage; Inside/outside air intake, manually controlled

AXLE, FRONT

Make and Model - Oshkosh 25K, single reduction with special heat treated alloy steel shafts and Oshkosh cage ring type steering ends

Ratio - 6.17:1, other ratios available

AXLE, REAR

Make and Model -

ArvinMeritor RS 26-185, 26K single (4 x 4) [standard]
ArvinMeritor RS 30-185, 30K single (4 x 4) [optional]
ArvinMeritor RS 38-380, 38K single (4 x 4) [optional]
ArvinMeritor RT 46-160, 46K tandem (6 x 6) [standard]
ArvinMeritor RT 52-185, 52K tandem (6 x 6) [optional]
ArvinMeritor RT 58-185, 58K tandem (6 x 6) [optional]

BRAKES, PARKING AND EMERGENCY

Type - Spring brakes mounted on rear axle

Secondary Emergency System - Modulated split type

BRAKES, SERVICE

Type - Dual system, anti-lock, air operated mechanical

Size - Front - 16.5 x 7.0 in [419 mm x 178 mm] Rotary S-cam, 434 in² [2,800 cm²] per axle

Rear - (4x4) 16.5 x 7.0 in [419 x 178 mm] Rotary S-cam, 434 in² [2,800 cm²] per axle

Rear - (6x6) 868 in² [5,600 cm²] per tandem

Air System: - Reservoir capacity, 6530 cubic inches, Air dryer, AD-IS integral with wet tank; Compressor 15.7 cfm

CAB

Construction - Oshkosh extra heavy-duty ■ All steel construction with galvanized exterior ■ Full length piano type door hinges with stainless steel hinge pins ■ Full width stationary rear window ■ Fully rustproofed ■ One-piece reverse slope windshield ■ RH door curb window ■ Tinted safety glass throughout ■ 3-point rubber mounted ■ 72 in [1,829 mm] cab width

Standard Accessories - Air and electric horns ■ Air horn snow shield ■ Bostrom® Sierra Air 400RX driver seat and passenger seat ■ Cigar lighter and ash tray ■ Dual sun visors ■ Dual top mounted electric windshield wipers with intermittent speed control ■ Floor mat ■ Fresh air type heater and defroster ■ Grab handles ■ Self-canceling turn signals ■ Three-point seat belts ■ Tilt/telescoping steering column ■ West Coast heated motorized mirrors with integral separately controlled convex lens ■ Windshield washer

Instrumentation - Gauges, multiplex panel: fuel level, coolant temperature, dual air system pressure, voltmeter, speedometer, tachometer with engine hourmeter ■ Low air pressure buzzer-light ■ Low oil pressure and high coolant temperature warning lights and buzzer ■ Manual reset type circuit breakers ■ Transmission temperature light ■ Transfer case hi-lo indicator

CHASSIS EQUIPMENT

Air dryer ■ Cable drain, inside air tank ■ Back-up alarm ■ Butterfly type fiberglass hood ■ Crankshaft PTO adapter ■ Single 50 gal (189 L) fuel tank under left hand door ■ Single piece steel fenders ■ Heated fuel/water separator ■ Battery box under right hand door ■ Vertical cab mounted exhaust ■ Ether start ■ Stainless steel grille ■ 2-ft integral frame extension at front for equipment mounting ■ Access steps, front ■ Frame mounted tow hooks (2) rear

COOLING SYSTEM

Radiator Core - Fin and tube type
Frontal Area - 1,100 in² [7,097 cm²]
Radiator Construction - Bolted, with built-in deaeration system
Transmission/Converter Oil Cooler - Oil-to-water type
Engine Air Intake Cooler - Mounted in front of radiator
Fan - Temperature controlled clutch with engine mounted fan ring

ELECTRICAL SYSTEM

Alternator - 145 amp
Lighting - 12 volt
Starting - 12 volt
Battery - Three 12 volt, 950 CCA each @ 0°F [-18°C] (2,850 CCA total)

ENGINE

Make and Type - Caterpillar, C-13 ACERT, in-line 6 cylinder, four cycle
Displacement - 763 in³ [12.5 L]
Horsepower - 380 @ 2,100 rpm
Peak Torque - 1,450 lb/ft @ 1,200 rpm
Governed RPM - 2,100
Engine Protection - Low oil pressure/high coolant temperature automatic power derate system

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
Section Modulus - 23.49 in³ [384.93 cm³] per rail
RBM - 2,818,000 in-lb [308 844 N•m] per rail
Construction - Grade 8 bolts and locknuts

LIGHTING

Clearance and marker lights comply with federal regulations ■ Fender height head lights with integral turn signals ■ Rear-mounted stop/tail/turn signal lights with back up light ■ Cab light bar for custom light installations

PAINT

Two-part acrylic urethane ■ One prime coat of 2-part epoxy ■ One color from Oshkosh standard color chart

PROPELLER SHAFTS

Make and Model -
Front - Dana 1710 Series
Rear (4x4) - Dana 1710 Series
Rear (6x6) - Dana 1810 Series
Inter-Axle - Dana 1710 Series
Dynamically Balanced
Splines - "Glidecoat" treated

STEERING SYSTEM

Make and Model - Sheppard 592S integral hydraulic power gear

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 - 25,000 lb [11,340 kg]
Rear (4x4) -
Type - Hotchkiss, semi-elliptic spring
Main - 15 leaf, 50.13 x 3 in [1,273 x 76 mm]
Auxiliary - 6 leaf, 34 x 3 in [864 x 76 mm]
Rating - 27,000 lb [12,247 mm]
Rear (6x6) -
Type - Hendrickson® steel leaf spring, RT-460
Rating - 46,000 lb [20,965 kg]

TIRES*

Size -Front (4x4) - 395/85R20 - 20 ply
Rear (4x4) - 395/85R20 - 20 ply
Front (6x6) - 395/85R20 - 20 ply
Rear (6x6) - 395/85R20 - 20 ply
Type - Radial
Tread - Michelin XZL

*Various configurations are available.

TRANSFER CASE

Oshkosh Smart-Shift electric over air control range shifter
Model 55000: 2 speed
4x4 – Dorr-Miller auto locking differential
Ratios: 2.66:1 Low, 0.98:1 High
6x6 – Front axle disconnect

ALLISON® GEN 4 SERIES 4 FORWARD 1 REVERSE

RANGE	4000 RDS STD. RATIOS	4500 RDS OPTIONAL RATIOS
5th (optional)	0.74:1	0.76:1
4th	1.00:1	1.00:1
3rd	1.43:1	1.53:1
2nd	1.91:1	2.21:1
1st	3.51:1	4.70:1
Reverse	4.80:1	5.55:1

RATIO COVERAGE

Forward	5.48:1	7.01:1
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WHEELBASE

(4x4) WB 158" CA 91" AE 35"
(6x6) WB 175" CT 109" TE 56"

*Other wheel bases and dimension combinations available. Consult factory.

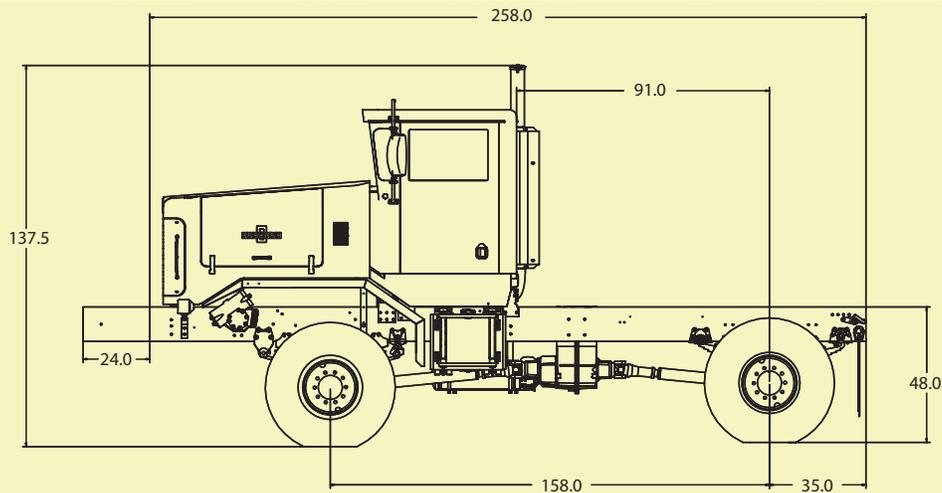
WHEELS*

Size- Front (4x4) - 20.00 x 10.00
Rear (4x4) - 20.00 x 10.00
Front (6x6) - 20.00 x 10.00
Rear (6x6) - 20.00 x 10.00

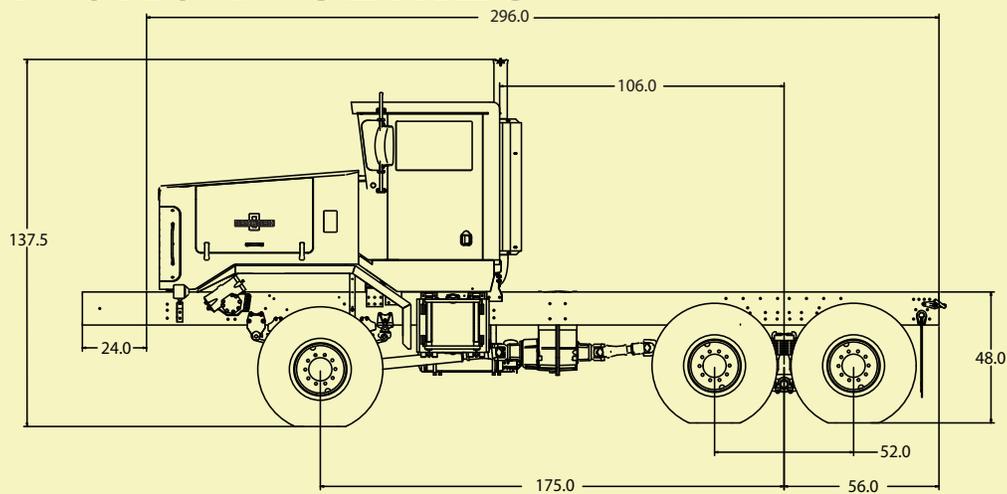
Type - Steel disc

*Various configurations are available.

OSHKOSH® 4X4 P-SERIES™



OSHKOSH® 6X6 P-SERIES™



P-SERIES OPTIONS

Oshkosh ALL STEER® electronic all wheel steering system (26K, 46K, and 52K rear only) ■ AM/FM radio with CD player and Weather band ■ Integral air conditioning ■ High output cab heater ■ Heated windshield ■ Power windows ■ Side window wipers ■ Cab air suspension ■ C-13 ACERT @ 430 and 470 HP ■ Engine brake ■ Engine block heater (120V or 240V) ■ 160 amp alternator ■ High idle/cruise control ■ Various lighting packages ■ Master battery disconnect at battery ■ On-board battery charger (20 amp self regulating) ■ Jump start lugs at battery box ■ Four batteries for total 3800 CCA ■ Pintle hook ■ Single tank fuel capacity of 75, 100, and 120 gallons, left hand side ■ Controlled traction differential in rear axle ■ Heated expello-valve on wet tank ■ 5-speed transmission ■ Bevel gear differential in transfer case (4 x 4 only) ■ Provisions for underbody blade ■ Provisions for trailer electric

For reference only. The addition of options will change the listed standard dimensions and weights in some cases. For certified dimensions and weights, consult Oshkosh Corporation. Specifications, descriptions and illustrations in this literature are as accurate as known at the time of publication but are subject to change without notice. Ratings are general guidelines. Actual ratings vary with application and duty cycle. Illustrations may include optional equipment and accessories but may not include all standard equipment. Consult Oshkosh Corporation for additional information.

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



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P-Series Chassis 2.5M 2/08