

John Deere 644K Wheel Loader

Driveline

Engine Manufacturer	John Deere
Engine Model	PowerTech PSS 6090
Emission Rating	Tier 4
Displacement, ltr (Inches)	9 (548)
Rated Speed, rpm	1700
Engine Output - Net, kW (hp)	173 (232)
Torque, Nm (lbf / ft)	1062 (783)
Torque Rise, %	56
Transmission Type	Powershift
Front Differential Type	Locking
Rear Differential Type	Open
Tire size - Standard	23.5 R25
Service Brake - Type	Wet Disc
Service Brake - Location	Axle Inboard
Service Brake - Actuation	Hydraulic
Parking Brake - Type	Wet Multi Disc - Transmission

Dimensions

Height - Over Cab, mm (ft/in)	3430 (11 ft 3 in)
Wheelbase, mm (ft/in)	3260 (10 ft 8 in)
Length - Including Bucket, mm (ft/in)	8300 (27 ft 3 in)
Ground clearance, mm (inches)	461 (18.1)
Width Over tires - Std, mm (ft/in)	2875 (9 ft 5 in)
Height - Pivot Pin, mm (ft/in)	4120 (13 ft 6 in)
Reach - At 2130mm 45 Dump, mm (ft/in)	1610 (5 ft 3 in)
Turning Circle - Maximum, mm (ft/in)	13280 (43 ft 7 in)

Capacities

Fuel Tank, ltr (gallons (US))	397 (105)
Hydraulic Tank, ltr (gallons (US))	105.2 (6.95)
Axle - Front, ltr (gallons (US))	22 (5.75)
Axle - Rear, ltr (gallons (US))	22 (5.75)
Transmission, ltr (gallons (US))	23 (6)
Heaped Capacity, m (yd)	3.2 (4.25)
Bucket Capacity - Smallest, m (yd)	3.1 (4)
Largest bucket capacity, m (yd)	3.2 (4.25)
Breakout - Bucket , kgf (lbf)	15378 (33903)
Ride Control System	Optional
System Voltage, V	24
Alternator Output, Amp	130
Pump Type	Piston
Pump Flow, lt/min (gallons (US) / min)	297 (78)
System Pressure, bar (PSI)	251.66 (3650)

Weights

Operating Weight, kg (lbs)	18682 (41188)
Comparable Build	
Dump Height, mm (ft/in)	2910 (9 ft 7 in)
Reach at Full Height, mm (ft/in)	1060 (3 ft 6 in)
Tipping Load - Straight, kg (lbs)	14771 (32565)