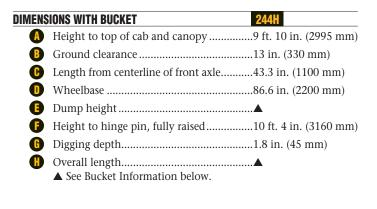
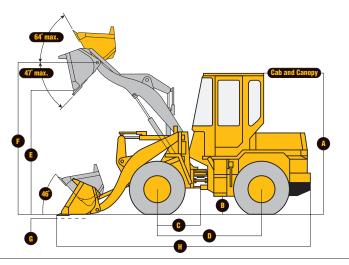
S P E C I F I C A T I O N S

ENGINE	244H
	Yanmar 4TNE98 – Naturally Aspirated Direct Injection Diesel, (meets EPA emissions regulations)
Rated power	
-	55 SAE net hp (41 kW) @ 2,200 rpm
Cylinders	
Displacement	
Maximum net torque	
	pressure system with full-flow spin-on filter
Fuel consumption, typical	
Cooling fan	
Electrical system	
Batteries (two 12 volt)	
	dual safety element dry type; restriction indicator for service
	dual safety element dry type; restriction indicator for service
TRANSMISSION	
Туре	hydrostatic (HST) with infinitely-variable speed control; two-speed power-shift transmission coupled with the HST to provide full range of operating speeds and direction reversal
Controls	low-effort electric shift, single lever for direction and speed changes; HST inching pedal
Travel speeds	Forward and Reverse
Gear 1	
Gear 2	
AXLES/BRAKES	hearry duty algorithmy mounted integrad
Final drives	heavy-duty planetary, mounted inboard
Differentials	
Rear axle oscillation	
Maximum rise and fall, single wheel	11.2 in. (284 mm)
Brakes (conform to SAE J1473, ISO3450)	
Service brakes	inboard-mounted hydraulic wet disc, bathed in cooling oil, long life self-adjusting
Parking brake	automatically spring applied, hydraulically released, disc and caliper type, attached to transmissior output shaft
HYDRAULIC SYSTEM/STEERING	A
Pump (loader and steering)	gear-type, open-center system
	21.2 gpm (80 L/min.) @ 2,990 psi (20 615 kPa) and @ 2,200 engine rpm
Pressure	
Loader controls	two-function valve with single lever and control lever lockout
Handraulta anala (tanan	optional three-function valve with auxiliary lever
Hydraulic cycle times	
Raise	
Dump	
	3.8 sec. (float down) / 2.9 sec. (power down)
	with 1.3 cu. yd. (1.0 m ³) light-material bucket
Lift at ground level	9,560 lb. (4336 kg)
Lift at maximum height	4,409 lb. (2000 kg)
Steering (conforms to SAE J1511)	
Туре	power, fully hydraulic
Relief valve setting	1,990 psi (13 720 kPa)
Turning radius (measured to center-	
line of outside tire)	12 ft. 5 in. (3.79 m)
TIRES	
Standard	17 5/65-20 10 PR I 2
	1/ 10/00 20/ 1011 L2
	58 in (1470 mm)
Tread width	
Tread width Width over tires	
Tread width Width over tires CAPACITIES (U.S.)	76 in. (1930 mm)
Tread width Width over tires CAPACITIES (U.S.) Fuel tank with ground level fueling Cooling system	76 in. (1930 mm)
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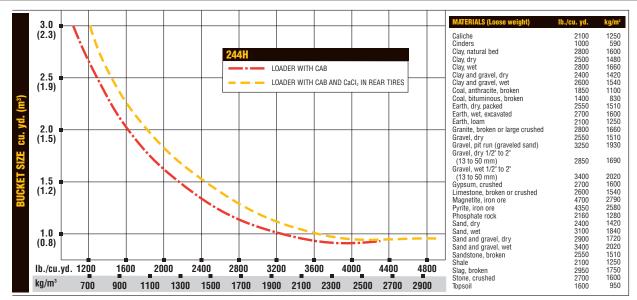
BUCKET INFORMATION (PIN-ON)

Bucket Type/Size	Light Material	General Purpose
Capacity, heaped SAE	1.3 cu. yd. (1.0 m ³)	1.0 cu. yd. (0.8 m ³)
Capacity, struck SAE	1.2 cu. yd. (0.9 m ³)	0.9 cu. yd. (0.7 m ³)
Bucket width		78.4 in. (1.99 m)
Breakout force, SAE J732C		10,143 lb. (45.1 kN)
Tipping load, straight	7,432 lb. (3371 kg)	7,474 lb. (3390 kg)
Tipping load, 35-degree turn, SAE	6,636 lb. (3010 kg)	6,680 lb. (3030 kg)
Tipping load, 40-degree full turn, SA	E6,429 lb. (2916 kg)	6,470 lb. (2935 kg)
Reach, 45-degree dump, 7-ft. (2.13 n	1)	
clearance		46.7 in. (1185 mm)
Reach, 45-degree dump, full height		33.3 in. (845 mm)
▲ Dump clearance, 45 degree, full heigl	nt97.2 in. (2470 mm)	100.6 in. (2555 mm)
▲ Overall length		16 ft. 3 in. (4.95 m)
Loader clearance circle, bucket in		
carry position		29 ft. 2 in. (8.90 m)
Operating weight	11,400 lb. (5171 kg)	11,370 lb. (5157 kg)
Loader operating information is based	on machine with all standard eq	uipment, 17.5/65-20, 10 PR L2 (no fluid) tires, ROPS cab, 175-lb. (79 kg)
operator, and full fuel tank. This in	formation is affected by tire size,	ballast, and different attachments.

ADJUSTMENTS TO OPERATING WEIGHTS FOR PIN-ON BUCKETS

Adjustments to operating weights and ti	oping loads for 1.3 cu. yd. (1.	0 m ³) light-material bucket		
Add (+) or deduct (-) lb. (kg) as indicated			Tipping Load,	Tipping Load,
for loaders with	Operating Weight	Tipping Load, Straight	35-Degree Full Turn	40-Degree Full Turn
Bolt-on cutting edge and skid shoes	+ 143 lb. (+ 65 kg)	– 176 lb. (– 80 kg)	– 154 lb. (– 70 kg)	– 148 lb. (– 67 kg)
Bolt-on bucket teeth	+ 100 lb. (+ 45 kg)	– 121 lb. (– 55 kg)	– 106 lb. (– 48 kg)	– 103 lb. (– 47 kg)
17.5/65-20, 10 PR L2 tires with $CaCl_2$	+ 750 lb. (+ 340 kg)	+ 922 lb. (+ 418 kg)	+ 835 lb. (+ 379 kg)	+ 805 lb. (+ 365 kg)

BUCKET SELECTION GUIDE *



*This guide, representing bucket sizes not necessarily manufactured by Deere, will help in selecting the proper bucket size for material density and loader configuration. Optimum bucket size is determined after adding or subtracting all the tipping load changes due to optional equipment.

	244H	244H
Antifreeze, –22°F (–30°C) Blower-type cooling fan	Parking brake automatically neutralizes trans mission / Conforms to SAE J1473, ISO3450 Wet-disc, self-adjusting primary service brakes Conform to SAE J1473, ISO3450) Interior-mounted convex rearview (1) / Outside convex rearview (2) / Conform to SAE J985
Dual-stage dry-type air cleaner with restric- tion indicator and under-hood air intake Fuel filter solation mounted Preheat-type starting aid Gafety fan guard Jnder-hood muffler with rear exhaust	 HYDRAULIC SYSTEM Hydraulic control lever lockout, mechanical Hydraulic oil cooler behind engine radiator Return-to-dig feature Three-spool valve, single-lever control with auxiliary control lever for third function 	Seat belt, 2 in. (51 mm), with retractor Conforms to SAE J388 Seat belt, 3 in. (76 mm)* Conforms to SAE J388 Slip-resistant steps and ergonomically located handholds Conform to SAE J185
EECTRICAL Alternator, 35 amp	Power steering (two cylinders) and 40-degree articulation each side, (80-degree total	 Steering wheel with spinner Vandal protection (with same key as start switch)
24-volt system Batteries (2), 332-min. reserve Battery terminal safety covers	articulation) Conforms to SAE 1511 with emergency manual mode	Engine hood / Fuel cap Air conditioning (field installed)* Sliding left-side window
Blade-type multi-fused circuits By-pass starter safety cover on starter	TIRES	LOADER
.ights Front and rear flashers / Front and rear turn signals / Rear stop and tail lamps / Two front driving/work / Conform to SAE J99 Front and rear halogen work lights	 17.5/65-20, 10 PR L2 OPERATOR'S STATION Cab Isolation mounted ROPS/FOPS / Conform to SAE J1040C, J231, ISO3471, ISO3449 	DUCKCUDIIIS
Conform to SAE J1029	Built-in Operator's Manual storage compart-	BUCKETS
TRANSMISSION Hydrostatic (HST) transmission Electric shift control / Hydrostatic oil cooler / Inching pedal	 ment and manual Dome light Electronic monitor system and audible/visual warning 	Full line of buckets, bolt-on cutting edges, wear plates and teeth 1.0 cu. yd. (0.8 m ³) excavating bucket 1.3 cu. yd. (1.0 m ³) light-material bucket
Reverse warning alarm Conforms to SAE J994, J1446 Fransmission, two-speed (high-low) power shift Computer control downshift protection / Electric shift	 Engine air filter restriction / Low alternator voltage / Engine oil pressure / Engine cool ant temperature / Hydraulic filter restriction / HST transmission charge pressure / HST filter restriction / Park brake on indi 	Articulation transport lock Conforms to SAE J276
IXLES Differential, front and rear conventional Heavy-duty planetary gear final reduction Remote grease bank for rear axle oscillation BRAKES	 cator / Turn signal and hazard warning lights / High-beam indicator light / Gauges Engine coolant – Fuel – Hourmeter Front windshield wiper and washer Heater – 16,000 Btu/hr. (4.7 kW) Horn, electric Conform to SAE J994, J1446 	Front and rear fonders

CONTROL OWNING AND OPERATING COSTS

Total Repair Cost Management (TRCM) is part of John Deere's proactive, fixbefore-fail strategy on machine maintenance that will help control costs, increase profits, and reduce stress. Included in this comprehensive lineup of ongoing programs and services are:

OilScan® Plus program – tells you what's going on inside all of your machine's major components so you'll see a decline in performance before the system fails. OilScan Plus oil analysis is included in most SECURE®-Extended warranty and preventive-maintenance contracts.

MaintainItTM program – Flexible, easy-to-use MaintainIt software lets you start your own computerized maintenance program by putting complete machine histories at your fingertips. It features a library of John Deere equipment, a spare-parts inventory list, and a list of maintenance tasks. Compare costs; schedule maintenance procedures by hourmeter or date; or print, fax, or e-mail purchase and work orders with just a few quick keystrokes.

Component life-cycle data – gives you vital information on the projected life span of components and lets you make informed decisions on machine maintenance by telling you approximately how many hours of use you can expect from an engine, transmission, or hydraulic pump. This



Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan, at standard conditions per SAE J1349 and DIN 70 020, using No. 2-D fuel at 35 API gravity. No derating is required up to 5,000 feet (1500 m) altitude. Gross power is without cooling fan.

information can be used to preempt catastrophic downtime by servicing major components at about 80 percent of their life cycle.

Preventive Maintenance (PM) contracts – give you a fixed cost for maintaining a machine for a given period of time. It also helps you avoid downtime by ensuring that critical maintenance work gets done right and on schedule. On-site preventive maintenance service performed where and when you need it helps protect you from the expense of catastrophic failures and lets you avoid waste-disposal hassles.

SECURE-Extended warranty – gives you a fixed cost for machine repairs for a given period of time so you can effectively manage costs. Whether you work in a severe-service setting or just want to spread the risk of doing business, this is a great way to custom-fit coverage for your opera-tion. And a SECURE-Extended contract also travels well because it's backed by John Deere and is honored by all Deere construction dealers.

Customer Support Advisors (CSAs) – Deere believes the CSA pro-gram lends a personal quality to Total Repair Cost Management. Certified Customer Support Advisors have the knowledge and skills for helping make important decisions on machine maintenance and repair. Their mission is to help you implement a plan that's right for your business and take the burden of machine maintenance off your shoulders.

Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with all standard equipment; 17.5/65-20, 10 PR L2 tires; ROPS cab; full fuel tank; and 175-lb. (79 kg) operator.

