GINE	744H		
Туре			arged and aftercooled; meets North American
71			ons effective January 1, 1996; also is certifiable
		Jnion) regulations, which are r	
Rated power	proposed 2001 (European)	inon, regulations, innen are i	
	240 SAF net hp (179 kW)	263 SAF gross hp (196 kW) @ 2	2 000 rpm
Cylinders			
Displacement	/66 cu. in. (12.5 L)		
Maximum net torque			
	pressure system with full-flow spin-on filter and cooler		
Fuel consumption, typical			
Cooling fan			
Electrical system			
Batteries (two 12 volt)			
Air cleaner	dual safety element dry ty	ne: restriction indicator for serv	vice
	dual safety element dry ty	pe, restriction indicator for serv	Vice
ANSMISSION			
Туре	single stage, single phase t	orque converter with freewhee	ling stator; countershaft, computer-controlled
	power shift		.
Controls	smooth shifts under any po	ower condition provided by con	mputer-controlled electronic shift with individ
	electronic control over eac	h clutch pack, twist-grip shift l	lever, quick-shift button on hydraulic lever, au
		table to shift between gears 1–4	
Travel speeds*	Forward	Reverse	
Gear 1			
		4.6 mph (7.4 km/h)	
Gear 2		8.6 mph (13.9 km/h)	
Gear 3		19.3 mph (31.0 km/h)	
Gear 4	24.5 mph (39.5 km/h)		
*Equipped with 26.5-25 tires.			
LES/BRAKES			
Final drives	hoory duty planatory mo	uptod iphoard	
			the set of
Differentials		ar – standard; nyuraune locking	g front – optional; dual locking front and rear
	optional		
Rear axle oscillation, stop to stop			
Maximum rise and fall, single wheel			
Brakes (conform to SAE J1473, ISO3450)			
Brakes (conform to SAE J1473, ISO3450) Service brakes		ic wet-disc, bathed in cooling c	bil, long life self-adjusting
Brakes (conform to SAE J1473, ISO3450)		ic wet-disc, bathed in cooling c ed, hydraulically released, wet	oil, long life self-adjusting disc bathed in cooling oil
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake		ic wet-disc, bathed in cooling c ed, hydraulically released, wet	oil, long life self-adjusting disc bathed in cooling oil
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli	ed, hydraulically released, wet	disc bathed in cooling oil
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering)	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli	ed, hydraulically released, wet , load-sensing piston pumps; cl	disc bathed in cooling oil losed-center system
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering) Maximum flow	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r	disc bathed in cooling oil losed-center system
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering) Maximum flow Pressure	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering) Maximum flow	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering) Maximum flow Pressure	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering) Maximum flow Pressure	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering) Maximum flow Pressure Loader controls	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes Parking brake DRAULIC SYSTEM/STEERING Pump (loader and steering) Maximum flow Pressure Loader controls Hydraulic cycle times	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec.	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec.	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r ,200 psi (22 000 kPa) or dual lever controls; control	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 3.0 sec. (float down) / 3.0 s	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r ,200 psi (22 000 kPa) or dual lever controls; control	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 1.5 sec. 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 1.5 sec. 3.0 sec. (float down) / 3.0 sec. 1.1 sec. with 4.5 cu. yd. (3.4 m ³) exo	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 1.5 sec. 1.1 sec. with 4.5 cu. yd. (3.4 m ³) exo 47,450 lb. (21 520 kg)	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 1.5 sec. 1.1 sec. with 4.5 cu. yd. (3.4 m ³) exo 47,450 lb. (21 520 kg)	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	 19.5 in. (495 mm) inboard-mounted hydraul inboard-mounted hydraulic 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	 19.5 in. (495 mm) inboard-mounted hydraul inboard-mounted hydraulic 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down)	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	 19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 6.6 sec. 1.1 sec. with 4.5 cu. yd. (3.4 m³) exc. 47,450 lb. (21 520 kg) 25,665 lb. (11 640 kg) power, fully hydraulic 3,200 psi (22 000 kPa) 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) <i>cavating bucket</i>	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	 19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 6.6 sec. 1.1 sec. with 4.5 cu. yd. (3.4 m³) exc. 47,450 lb. (21 520 kg) 25,665 lb. (11 640 kg) power, fully hydraulic 3,200 psi (22 000 kPa) 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) <i>cavating bucket</i>	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) <i>cavating bucket</i>	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) <i>cavating bucket</i>	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes	 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) <i>cavating bucket</i> each direction)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) <i>cavating bucket</i>	disc bathed in cooling oil losed-center system pm
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket each direction)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 8,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket each direction) Width Over Tires	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height
Brakes (conform to SAE J1473, ISO3450) Service brakes	 19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 3.0 sec. (float down) / 3.0 sec. 11.1 sec. with 4.5 cu. yd. (3.4 m³) exc. 25,665 lb. (11 640 kg) 200 psi (22 000 kPa) 20 ft. 2 in. (6.14 m) Tread Width 86.6 in. (2200 mm) 86.6 in. (2200 mm) 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket each direction) Width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 10ader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 1.1 sec. with 4.5 cu. yd. (3.4 m ³) exc 47,450 lb. (21 520 kg) 25,665 lb. (11 640 kg) 20 psi (22 000 kPa) 80-degree arc (40 degrees e 20 ft. 2 in. (6.14 m) 86.6 in. (2200 mm) 86.6 in. (2200 mm) 86.6 in. (2200 mm)	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket each direction) Width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 116.0 in. (2947 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul automatically spring appli two variable-displacement 104 gpm (393 L/min.) @ 1 loader and steering relief 3 two-function valve; single valve with auxiliary lever 6.6 sec. 1.5 sec. 1.1 sec. with 4.5 cu. yd. (3.4 m ³) exc 47,450 lb. (21 520 kg) 25,665 lb. (11 640 kg) 80-degree arc (40 degrees e 20 ft. 2 in. (6.14 m) 86.6 in. (2200 mm) 86.6 in. (2200 mm)	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket each direction) Width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 28 mm) 0 + 1.4 in. (+ 35 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydrauge 104 gpm (393 L/min.) @ 1 104 gpm (393 L/min.) @ 1 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket each direction) Width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 28 mm) 0 + 1.4 in. (+ 35 mm) 0
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm) 115.6 in. (2937 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 78 mm) 0 + 1.4 in. (+ 35 mm) 0 – 0.6 in. (– 15 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket each direction) Width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 28 mm) 0 + 1.4 in. (+ 35 mm) 0
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm) 115.6 in. (2937 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 78 mm) – 0.4 in. (+ 35 mm) – 0.6 in. (– 15 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes	19.5 in. (495 mm) inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul inboard-mounted hydraul 	ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm) 115.6 in. (2937 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 78 mm) – 0.4 in. (+ 35 mm) – 0.6 in. (– 15 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm) 115.6 in. (2937 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 78 mm) – 0.4 in. (+ 35 mm) – 0.6 in. (– 15 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm) 115.6 in. (2937 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 78 mm) – 0.4 in. (+ 35 mm) – 0.6 in. (– 15 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm) 115.6 in. (2937 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 78 mm) – 0.4 in. (+ 35 mm) – 0.6 in. (– 15 mm)
Brakes (conform to SAE J1473, ISO3450) Service brakes		ed, hydraulically released, wet , load-sensing piston pumps; cl ,000 psi (6900 kPa) and 2,250 r 3,200 psi (22 000 kPa) or dual lever controls; control sec. (power down) cavating bucket width Over Tires 113.2 in. (2875 mm) 115.8 in. (2940 mm) 115.8 in. (2940 mm) 115.5 in. (2935 mm) 115.6 in. (2937 mm)	disc bathed in cooling oil losed-center system pm lever lockout feature; optional third-function Change In Vertical Height – 3.1 in. (– 78 mm) – 1.1 in. (– 78 mm) – 0.4 in. (+ 35 mm) – 0.6 in. (– 15 mm)

CAPACITIES (continued)	744H
Power shift transmission, including vertical	
cartridge filter	
Differential (each axle)	
Front and rear	
Loader hydraulic reservoir	0 ()
Park brake	0.53 qt. (0.5 L)
OPERATING WEIGHT	
With all standard equipment, 26.5-25, 20 PR L3	
tires, 1,050-lb. (477 kg) counterweight,	
ROPS cab, 175-lb. (79 kg) operator, and	
full fuel tank	
Fork weight*	
*Allied equipment log fork ordered through John	Deere dealer.
OPERATING INFORMATION	
Lift capacity maximum height	
Fork level	
Fork rolled back	
Lift capacity ground level	
Fork level	
Fork rolled back	
Tipping load, 40-degree full turn, SAE –	
maximum reach	
Fork level	
Fork rolled back	
Tipping load, straight – maximum reach	
Fork rolled back	
Maximum rollback	25 degrees
Ground level	0
Carry height Length of tines	
Tine spacing center to center	
Minimum diameter clamp closing	
	12 III (505 IIIII)
DIMENSIONS WITH LOG FORK	
Height to top of cab and canopy	
Height to top of exhaust	10 ft. 2 in. (3100 mm)
Ground clearance	
• Length from centerline to front axle	
Wheelbase	
÷	
Height to hinge pin, fully raised	
Dump height	9 ft. 8 in. (2.95 m)
Ground to tine clearance, fully raised	13 ft. (3.96 m)
Overall length	
A	
49	
	Cab and Canopy
25	

NGINE	Cab wired for rotating beacon	Rearview mirrors, two outside and two inside
ntifreeze, -34°F (-37°C) coolant recovery tank ngine oil cooler nvironmentally friendly engine oil drain an safety guard fuffler, under hood with large vertical exhaust stack chrome exhaust stack Quick-release fuel filter and water separator ther starting aid (for cold starts) ngine air heater (for cold starts) leavy-duty trash-resistant cooling package pesert and high-altitude cooling package pecial application trash screens and packages*	 24-volt to 12-volt, 10-amp voltage converter 24-volt AM/FM stereo radio with clock Horn, with push button in center of steering wheel Conforms to SAE J994, J1446 Lights Driving with guards / Stop and taillights / Turn signals and flashers / Conform to SAE 99 Work lights, front (2) and rear (2) Monitor and gauges, computerized with audible and visual warnings Analog instruments: Engine coolant temperature / Engine oil pressure / Fuel level / Hydraulic oil temperature / Transmission oil temperature / 	 Conform to SAE J985 Rubber floormat Seat belt, 3 in. (76 mm), with retractor Seat, deluxe cloth covered with deep foam, high back, mechanical suspension, adjustable for weight and height, fore-aft position, backrest tilt, and armrest angle Seat, air suspension, deluxe cloth covered Seat backrest extension Steering wheel, textured with spinner knob Storage compartment for operator's manual and other items Tilt steering column
Engine coolant heater, 1,000 watts, 110 volts	Built-in diagnostics: Fault code retrieval / Message	Air conditioning (factory or dealer installed)
POWER TRAIN IC/PS transmission, computer-controlled electronic soft shift Conventional-type differentials, front and rear Front and rear axles with hydraulic locking differential Front axle with hydraulic locking differential	center Digital instruments: Engine rpm / Hourmeter / Selectable battery voltage or odometer / Trans- mission gear indicator Indicator lights: Turn signals / Warning flashers / Work lights	Loader boom service locking bar Conforms to SAE J38 High-lift boom* LOG FORKS AND ATTACHMENTS Full line of allied equipment log forks*
HYDRAULIC SYSTEM	Message center display: Accessory settings / Diag-	Hydraulic control system for quick coupler locking pins
Hydraulic system oil cooler Iwo-function hydraulic valve with joystick control Iwo-function hydraulic valve with two levers and adjustable wristrest	pressure / Coolant level / Engine air filter / Engine oil pressure / Fasten seat belt / Hydraulic oil filter / Hydraulic oil temperature / Park brake actuated / Transmission filter restriction Push-button selection: Three clutch cutoff adjust- ments / Two automatic transmission sequences / Two quick-shift button sequences Reverse warning alarm Conforms to SAE J994, J1446	Quick coupler and attachments* Loadright weighing system* TIRES
Fhree-function hydraulic valve with joystick control and auxiliary lever for third function Fhree-function hydraulic valve with two levers and adjustable wristrest and auxiliary lever for third function Hydraulic conversion kits, two to three function valves Hydraulic lever lockout		23.5-25, XHAT L3 Michelin Radial 26.5-25, 16 PR L2 26.5-25, 20 PR L3 26.5-25, GP-2B L2 Goodyear Radial 26.5-25, XHAT L3 Michelin Radial 26.5-25, X-MINE Michelin Radial Less wheels and tires
Automatic boom height kickout control Automatic boom return-to-carry control		
Automatic bucket return-to-dig control Reservoir sight gauge Spin-on hydraulic filters, vertical mounting Ride control system (automatic type)	Canopy ROPS/FOPS / Multiplane isolation mounted for noise/vibration reduction / Conforms to SAE J1040 APR88 Cab	 Articulation locking bar Conforms to SAE J276 Bottom guard, rear Bottom guards, front frame and transmission Counterweight Counterweight Counterweight
ELECTRICAL 24-volt electrical system Alternator, 55 amps and 24 volts Alternator, high capacity, 80 amps and 24 volts Alternator trash covers Batteries, standard (2), 12 volt with 950 CCA, 200- min. rated reserve Batteries, heavy duty (2), 12 volt with 1,000 CCA, 320-min. rated reserve Radio ready cab, 24 volt to 12 volt converter, rated at 5 amps, with 12-volt receptacle in operator's compartment, fused electrical lead	ROPS/FOPS / Heater/defroster / Multiplane isolation mounted for noise/vibration reduction / Front and rear windshield washers and intermittent wipers / Tinted safety glass / Conforms to SAE J1040 APR88 Cup holder, personal cooler holder, and storage space Handholds and stors, ergonomically located and	 Counterweight, extra duty, 1,257 lb. (570 kg) Drawbar, with locking pin Fenders, front and rear Vandal protection, includes lockable engine enclosure, rear grille, and fuel fill Fire extinguisher Lift and tie-down hooks Material weighing system* Secondary steering Transmission side frame guards

CONTROL OWNING AND OPERATING COSTS

Total Repair Cost Management (TRCM) is part of John Deere's proactive, fix-before-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.

MaintainltTM 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,



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 10,000 feet (3050 m) altitude. Gross power is without cooling fan. or hydraulic pump. This 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 operation. 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 program 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; 26.5-25, 20 PR L3 tires; 1,226-lb. (566 kg) optional counterweight; ROPS cab; full fuel tank; and 175-lb. (79 kg) operator.

