### [3] DIMENSIONAL AND OPERATIONAL SPECIFICATIONS



#### ■ Dimensional Specifications

Loader Model Tractor Model		LA1403 M96S, M108S	
(A)	Maximum lift height to pivot pin	3700 mm (145.7 in.)	3370 mm (132.7 in.)
(0)	Maximum lift height under level bucket	3470 mm (136.6 in.)	3560 mm (124.4 in.)
(C)	Clearance with bucket dumped	2860 mm (112.6 in.)	2490 mm (98.0 in.)
(D)	Reach at maximum lift height (Dumping Reach)	590 mm (23.2 in.)	975 mm (38.4 in.)
(III)	Maximum dump angle	0.91 rad (52.*)	1.1 rad (63 °)
(F)	Reach with bucket on ground	2230 mm (87.8 in.)	
(G)	Bucket roll-back angle	0.70 rad (40 °)	
(H)	Digging depth	60 mm (2.4 in.)	65 mm (2.6 in.)
(J)	Overall height in carry position	1700 mm (66.9 in.)	
040	Length	800 mm (31.5 in.)	

#### ■ Operational Specifications

Loader Model Tractor Model Boom Cylinder Fulcrum Point Lift capacity (Bucket bottom mid point)		LA1403 M96S, M108S			
				HEIGHT 1350 kg (2976 lbs)	POWER 1400 kg (3066 lbs)
		(W)	Lift capacity (Bucket pivot pin, max. height)		
		(W)	Lift capacity (800 mm forward, max. height)	1210 kg (2668 lbs)	1350 kg (2976 lbs)
(WY)	Lift capacity (Bucket pivot pin, 1500 mm height)	2125 kg (4685 lbs)	2380 kg (5247 lbs)		
(20)	Lift capacity (800 mm forward, 1500 mm height)	1575 kg (3472 lbs)	1840 kg (4057 lbs)		
(W)	Breakout force (Bucket pivot pin)	24860 N (5589 lb/l)	29250 N (6576 lbf)		
(25)	Breakout force (800 mm forward)	17190 N (3864 lbf)	22200 N (4991 lbf)		
(WW)	Bucket roll-back force at maximum height	13720 N (3064 lbf)	16080 N (3615 lbf)		
(XXX)	Bucket roll-back force at 1.5 m (59 in.)	25860 N (5814 lb/)			
(ZZ)	Bucket roll-back force at ground level	25810 N (5802 lbf)			
Raising time		4.7 sec.			
Lowering time		3.7 sec.			
Bucket dumping time		2.8 sec.			
Bucket roll-back time		2.9 sec.			

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# <u>Kubota La1403 Front Loader Service Repair Workshop</u> <u>Manual</u>

**R Bogdan** 

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in<br/>2 as<br/>2 1 58 in<br/>2 9 c  $\epsilon$  0 003 section 10 2 3 e  $\epsilon$  y <br/>s  $\epsilon$  y e 60 ksi 29000 ksi

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