



**A820 BACKHOE**

**DIMENSIONS**

	<b>U.S.</b>	<b>METRIC</b>
Transport height	113.5 in	2.9 m
Ground clearance	36.6 in	929 mm
Backhoe length, stowed	57.2 in	1.5 m
Digging depth, max.	89 in	2.26 m
Digging depth, 2 ft (0.6 m) flat bottom	88.2 in	2.24 m
Operating height, fully raised	152.2 in	3.9 m
Loading height	94.2 in	2.4 m
Loading reach	56.1 in	1.4 m
Reach from swing pivot	142.2 in	3.6 m
Swing pivot to centerline	40.1 in	1.0 m
Bucket rotation	150°	150°
Stabilizer spread, transport	67.6 in	1.7 m
Backhoe or basic unit width	120 in	3.1 m
Stabilizer spread, operating	91.8 in	2.33 m
Leveling angle	6°	6°



**GENERAL**

<i>Bucket</i>		
Width	12-18 in	305-460 mm
Capacity	1.7-2.6 ft <sup>3</sup>	0.05-0.07 m <sup>3</sup>
Backhoe weight with 12 in bucket	2150 lb	

*Lift capacity, boom over end and swing arc, SAE*

@ 48 in (1220 mm)	1140 lb	517 kg
@ ground level	1080 lb	490 kg
@ 72 in (1840 mm)	1090 lb	494 kg

*Lift capacity, dipperstick over end and swing arc, SAE*

at 53 in (1.4 m)	1749 lb	793 kg
at 72 in (1.8 m)	2020 lb	916 kg
Swing arc	170°	170°

*Digging force*

Using bucket cylinder	6500 lb	28 910 N
Using dipperstick cylinder	3600 lb	16 010 N

Attachment weight	2060 lb	934 kg
-------------------	---------	--------