

850D LC

Specs

MANUFACTURER	John Deere
MODEL	850D LC
DATE OF SPECIFICATION	Jul-06
ENGINE	
Manufacturer/Model	Isuzu / AH-6WG1XYSA-03
Net Power hp (kW) @ Rated rpm	532 (397) @ 1800
# Cylinders and Displacement cu in. (L)	6 - 957 (15.7)
HYDRAULIC SYSTEM	
System Design	Not published
Main Pump Type	Variable axial-piston
Total Main Pump Flow gpm (L/m)	278 (1052)
Normal Relief Pressure psi (kPa)	4625 (31870)
Boost Relief Pressure psi (kPa)	4980 (34310)
Max. Propel Pressure psi (kPa)	4980 (34310)
UNDERCARRIAGE	
Gauge ft (m)	11' 3.8" (3450)
Overall Track Length ft (mm)	20' 10.4" (6360)
Track Length on ground ft (mm)	16' 9.2" (5110)
Width over Std Track ft (mm)	14' 2.9" (4340)
No. of Lower Rollers / Side	9
No. Carrier Rollers / Side	3
Ground Clearance in. (mm)	35" (889)
Standard Track Pad in. (mm)	35.4" (900)
Grd. Press - Std. Pad psi (kPa)	11.8 (81.3)
Optional Track Pad in. (mm)	29.5",25.6",40.2" (750,650,1020)
Max. Travel Speed mph (km/h)	2.5 (4.0)
Gradeability % - (deg)	70% (35°)
Drawbar Pull lb (kg)	126,194 (57242)
ARM LENGTH	
Standard Arm ft (mm)	14' 5"
Optional Arm ft (mm)	12' 2",17' 9" (3700,5400)
Bucket Range SAE cu yd (cu m)	1.97 - 7.36 (1.51 - 5.63)
Reference Bucket SAE cu yd (cu m)	4.57 (3.50)
PERFORMANCE	
Reach @ G.L. std. Arm ft (mm)	48' 0.4" (14640)
Max Dig Depth - Std. Arm ft (mm)	31' 4.8" (9570)
Dig Depth-8' Flat Bottom-Std Arm ft (mm)	31' 0.4" (9460)
Dig Depth-Vertical Wall-Std Arm ft (mm)	27' 9.9" (8480)
Dump Height - Std. Arm ft (mm)	31' 11.5" (9740)
Lift Cap. Over Frt @G.L. lb (kg)	54,500 (24721) @25'
Lift Cap. 360 deg. @ G.L. lb (kg)	40,800 (18507) @25'
Arm Force-Normal- Std. Arm lb (kg)	Not published
Arm Force-Boost-Std. Arm lb (kg)	61,370 (273.0)
Bucket Digging Force - Normal lb (kg)	Not published
Bucket Diggine Force - Boost lb (kg)	80,703 (359.0)

Tail Swing Radiue ft (mm)	14' 10" (4520)
Swing Speed rpm	7.3

TRANSPORT SPECIFICATIONS

Standard Transport Length ft (mm)	48' 8.3" (14840)
Standard Transport Height ft (mm)	15' 9.4" (4810)
Standard Transport Width ft (mm)	14' 2.9" (4340)

CAPACITIES

Fuel Tank gal (L)	296 (1120)
Hydraulic Reservoir gal (L)	138 (522.3)

SAE OPERATING WEIGHT lb (kg)

Metric Ton Weight	185,874 (84312)
	84.311

Specifications are based on published information at the time of publication. Specifications are subject to change without notice.

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