ATLAS

Crawler excavator | 215LCsr













28.9 - 39.5 ft³





Technical specifications

ENGINE

Power rating acc. to ISO 9249 157 HP	
RPM1800/min	
Make / model Deutz / TCD 4.1(Stage 3B)	
Design Turbocharger/Charge Air cooling	
Displacement246 in ³	
Number of cylinders 4	
Cooling system Water-cooled	
Air filter Dry air filter	
Battery 2 x 12 V / 100 Ah	
Generator 24 V / 55 A	
Starter 24 V / 4 kW	

HYDRAULIC SYSTEM

- AWE 4 system
- Load limit controlled high-performance pump
- Fuel-efficient flow-on-demand control
- Suction valves for all work functions
- · Load-retaining a. fine lowering valves in lifting circuit
- Restrictors in the lift and articulating circuits
- Primary and secondary overload protection
- Hydraulic system 1 x Axial piston pump
- Main pump HPR 210
- Max. oil flow 99.8 gl/min
- Max. operating pressure 4931 PSI

EQUIPMENT

BASIC UNIT 67.82:

- Base arm C66.41
- Adjustable boom C66.46, working length 11'
- Stick D63.3A, working length 8' 10"

DRIVER'S CAB:

- Air-conditioning
- · Preparation for radio installation

FILL CAPACITIES

• Air-cushioned comfort seat (seat heating optional)

• Fuel tank 68.68 gallons

• Engine oil3.43 gallons

Hydraulic tank79.25 gallons

ATTACHMENTS (SELECTION)

Bucket

- · Panorama glazing with heat-absorbing glass
- Skylight window

TRACTION DRIVE

• Max. speed 1.5 / 3	.4 miles/h
Tractive force	42,264 lbf
- Marchania de alegado.	700/

Max. gradeability 70%

DRIVER'S CAB

• Type Atlas comfort cabin 935 • Total length5' 9" • ISO 6396 (L_pA) in driver's cab 78 dB(A) • 2000/14 EG (L_wA) ambience level ... 100 dB(A)

UNDERCARRIAGE

- X-frame
- Track 7' 3", Base plate width 2'
- Drive quality B60

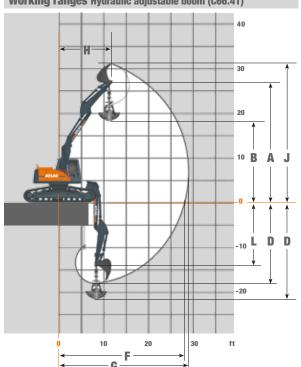
- Max. swing speed 9/min
- · Automatically controlled multi-disc brake • Axial piston motor with priority valve

SWING ASSEMBLY

• Bucket F416 / 29 f3 / 3' 3" wide

- Bucket F417 / 32 f³ / 3' 7" wide
- Bucket F648 / 40 f³ / 4' 3" wide

Working ranges Hydraulic adjustable boom (C66.41)



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Α	Bucket pivot point	27' 7"	27' 7"		
В	Max. digging height	-	19' 4"		
D	Max. digging depth	19' 10"	23' 5"		
F	Max. reach	26' 3"	26' 3"		
G	Max. digging reach	30' 10"	28' 8"		
Н	Max. arm position	12' 4"	12' 4"		
J	Max. reach height	32' 2"	-		
L	Lowest bucket pivot point	15' 3"	15' 3"		
	Max. bucket digging force	27,427 lbf	-		
	Max. stick digging force	18,210 lbf	-		
	Grab clamping force	-	16,411 lbf		
	Operating Weight	48,061 lbs	48,722 lbs		
	Tailswing radius	5' 9"			
	Transport length	27' 1"			
	Transport width	9' 10"			
	Transport height	10' 6"			

Lifting capacities Hydraulic adjustable boom (C66.41) and stick 9' 10" (D63.3A). Swing radius 5' 9"

	9' 10"		13' 1"		16' 5"		19' 8"		231	
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Height	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL	FRONT	LATERAL
+24'7"					9,859*	9,859*				
+19'8"					9,125*	9,125*	9,012*	7,590		
+14'9"			11,197*	11,197*	10,086*	9,830*	9,354*	7,586	8,920*	5,798
+9'10"	20,842*	19,839	14,791*	13,023	11,984*	9,570	10,379*	7,480	9,361*	5,798
+4'11"	23,250*	19,308	18,184*	12,714	13,904*	9,418	11,479*	7,474	9,927*	5,637
+ 0'0"	26,625*	19,400*	19,288*	12,747	14,850*	9,332	12,068*	7,105	10,168*	5,370
-4'11"	27,765*	18,710	19,531*	12,154	15,042*	8,874	12,350*	6,616	9,711	5,154
-9'10"	28,858*	18,415	20,357*	11,779	14,985*	8,386	10,124*	6,424		
-14'9"	19,716*	18,437								

All values in pounds (lbs) were determined acc. ISO 10567 and include a stability factor of 1.33 or 87% of the hydraulic lifting capacity. These values are applicable at the top of the arm with optimum positioning of the corresponding arm system and with power boost switched on. "Value limited due to hydraulics.

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