



ATLAS

SINCE 1919

**ROBUST.
PRECISE.
EFFICIENT.**

-  max. 40 t
-  180 kW (245 HP)
-  0.80 - 1.60 m³



CRAWLER EXCAVATOR 340LC

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TECHNICAL SPECIFICATION 340LC

Technical Specification

ENGINE		
Power according to ISO 9249..... 180 kW (245 HP)	Cylinder capacity 6100 cm ³	Air filter..... Dry air filter
RPM 1800/min	Number of cylinders 6	Battery 2 x 12 V / 143 Ah
Make/model..... Deutz TCD 6.1 L6 EU Stage V	Automatic idle 101 / 126	Alternator..... 24 V / 70 Ah
Design..... Turbocharger/Charge Air cooling	Cooling system Water-cooled	Starter..... 24 V / 3.2 kW
HYDRAULIC SYSTEM		
• AWE 4 System (Load Sensing)	• Suction valve for all operating functions	• Temperature-controlled fan for cooler
• Adjustable high-performance piston pumps	• Load retaining - and fine lowering valves in lifting circuit	• Hydraulic system..... 2 x AKP
• Fuel efficient power control	• Pipe break protection valves for lifting cylinders	• Max. oil flow..... 660 l/min
• Sensitive, proportional and load-independent control	• Grab function is standard (without rotating)	• Max. operating pressure. 380 bar
• Primary and secondary protection against overloading	• Up to 2 additional control circuits possible	• Operating models: 3 pre-programmed Models (Fine, Eco, Power)
SWING ASSEMBLY		
• Swing motor:	Axial piston motor with priority valve	Drive on internal clogged slewing ring
• Swing gear:	Planetary transmission	• Max. swing speed 8.7/min
• Swing brake: *	Multidisc brake	• Swing torque 93.4 kNm
*easy swing on slopes, with lockable foot pedal, exceeding pressures of 120 bars		
TRACTION DRIVE AND BRAKES		
• Steering:	2 control levers / pedals enable separate drive of both chains	• Maximum speed 2.6 / 5.3 km/h
• Traction drive:	2 automatic drive positions	• Tractive force..... 110 kN
• Brakes:	Hydraulic, service-free multidisc brakes	• Max. climbing power..... 70 %
CONTROL		
• Joystick control with perfectly adjusted response and sensitivity. (SAE recommendation)	• Manual lever control for forward-, backward-, curve drive and rear drive of the chain. Foot pedal for forward and backward drive	• Option "Drive" on the foot pedal valve cradle (ISO-Steering)
UNDERCARRIAGE		
• Complete heavy duty undercarriage in X-design	• Chain tensioner through greasing cylinder, spring loaded	• Automatic hydraulic controlled brakes and brake valve
• Crawler unit with asymmetric roof profile and integrated traction drive with planetary transmission	• Track guided by rollers and idler unit	• Lubricated sealed chain, drive quality D6C
	• Track width 2.60 m	4800 mm long, 600 mm track chain
FILL CAPACITIES		
• Fuel tank 425 liter	• Engine oil..... 21 liter	• Hydraulic System 550 liter
• Cooling system..... 48 liter	• Hydraulic tank 505 liter	• AdBlue® 32 liter
DRIVER'S CAB		
• Meets latest safety standards	• Seat adjustable separately from console	• Total length..... 1760 mm
• Extra-large entry zone	• Type Atlas Comfort Cabin 935	• Width 935 mm
• Spacious leg room	CONTROL:	CLIMATE CONTROL:
• Elastically mounted	• Ergonomically designed joysticks	• Air conditioning equipped as standard
• Excellent circumferential visibility	• Clear and concise arrangement of the switches in the control panel	• Very good air distribution through optimally arranged nozzles
• Roof hatch with window	• Ergonomic joysticks	
• Blendfreier Innenraum	MONITORING:	SOUND LEVELS:
DRIVER'S SEAT:	• Operating data screen display	• ISO 6396 (L _p A) in driver's cab 72 dB(A)
• Air-cushioned comfort seat	• Automatic system for monitoring, warning and storage of data	• 2000/14 EG (L _w A) ambience level 102 dB(A)
• Arm rests and lumbar support		

WORKING EQUIPMENT 340LC

Working Equipment

BASIC UNIT

A 84.81	ATLAS hydraulic crawler excavator 340LC with continuously rotating upper carriage and two lifting cylinders, but without main boom, with ATLAS cabin 935 with sound absorption, heating by utilizing the engine cooling water heat and air conditioning, swivel radius 3300 mm. Counterweight 6.4 t, track 2.60 m, track-chain 600 mm wide.
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DRIVE OPTION

4562416	LC-track chain undercarriage with 3400 mm track, length of all 4800 mm, D6C Quality
	For other drive options see price lists.

ADDITIONAL AND SPECIAL DESIGNS

B 84.81	Pipe break protection valves for lifting cylinders
B 84.20	Special counter weight 8200 kg, swing radius 3400 mm

BOOM VARIANTS

C 84.3 M	Monoblock boom with two lifting cylinders, one stick cylinder (length 5570 mm)
C 84.5 M	Monoblock boom with two lifting cylinders, one stick cylinder, bucket cylinder (length 6500 mm)
C 84.41	Base arm with one operating cylinder for C 84.46
C 84.46	Boom, with stick cylinder, suitable for base arm C 84.41 (length 5300 mm)
C 84.5 i	Monoblock boom for material handling with two lifting cylinders, with a length of 8700 mm (for crawler- excavator with 3400 mm track)
Other boom combinations Monoblock and material handling booms see price list.	

STICK

D 84.2	Stick suitable for monoblock boom, (length 2300 mm)
D 84.3	Stick suitable for monoblock boom, (length 2800 mm)
D 84.5	Stick suitable for monoblock boom, (length 3500 mm)
D 84.31	Stick suitable for foldable boom, (length 3500 mm)
D 84.51	Stick suitable for foldable boom, (length 4500 mm)
D 84.55	Stick suitable for foldable boom, - F63.1 control lever required! (length 6400 mm)
D 84.16 i	Stick, suitable for Monoblock C 84.5 i und C 84.6 i (length 6900 mm)
D 84.17 i	Stick, suitable for Monoblock C 84.5 i and C 84.7 i (length 7750 mm)

BUCKET TILT CYLINDER

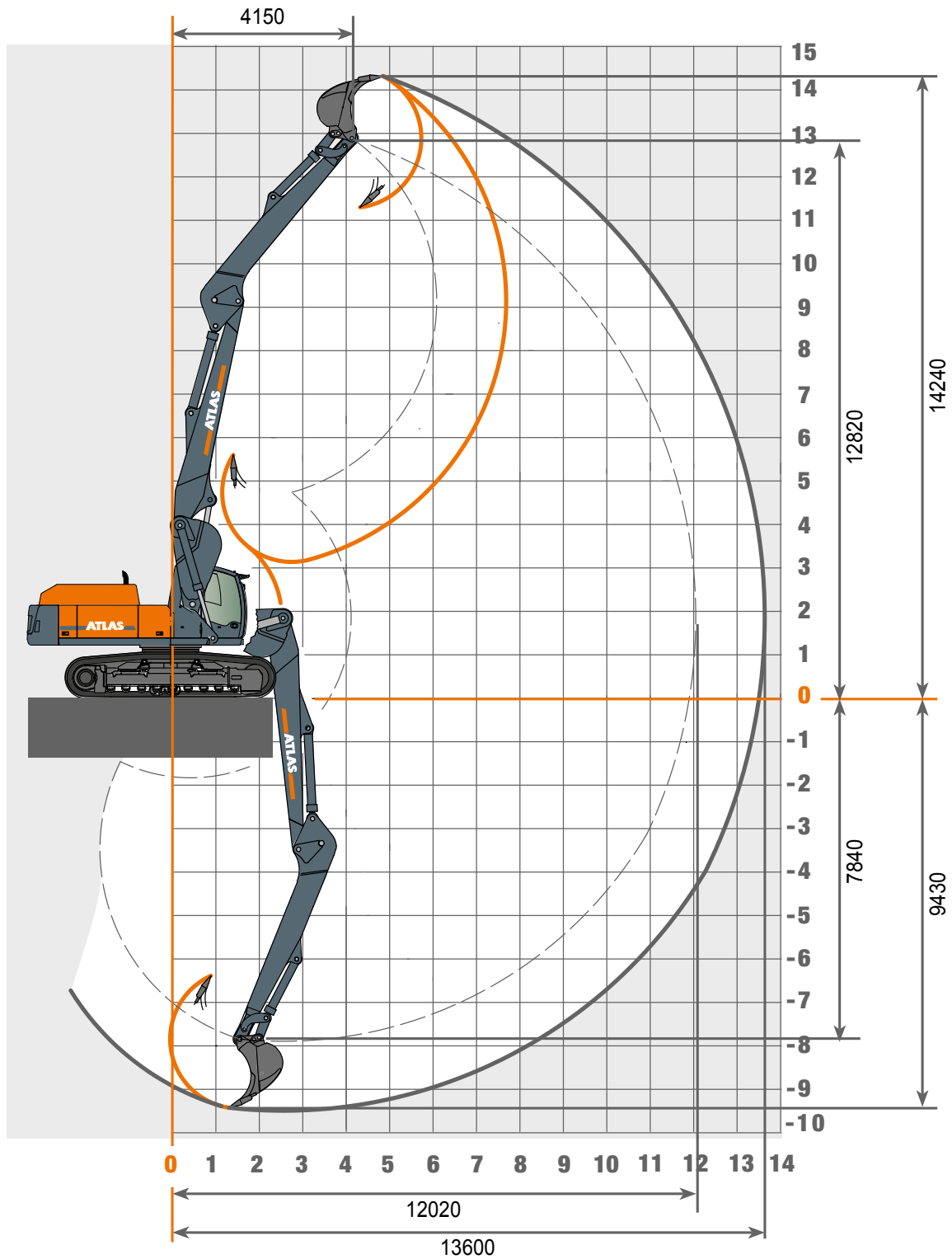
F 84.1	Bucket tilt cylinder, with bucket linkage
F 63.1	Bucket tilt cylinder with bucket linkage for D 84.55

ATTACHMENTS

		Capacity (SAE)	Cutting width
F 748	Bucket	1.26 m ³	1300 mm
F 718/HD	Bucket	1.50 m ³	1500 mm
G 83.86	Trenching bucket	1.60 m ³	2000 mm
E 851	Orange peel grab	0.80 m ³	half closed

WORKING RANGES 340LC

Working ranges Adjustable boom 2.1 m / 5.3 m (C84.41 / C84.46) with Stick 4.54 m (D84.51)



LIFTING CAPACITIES 340LC

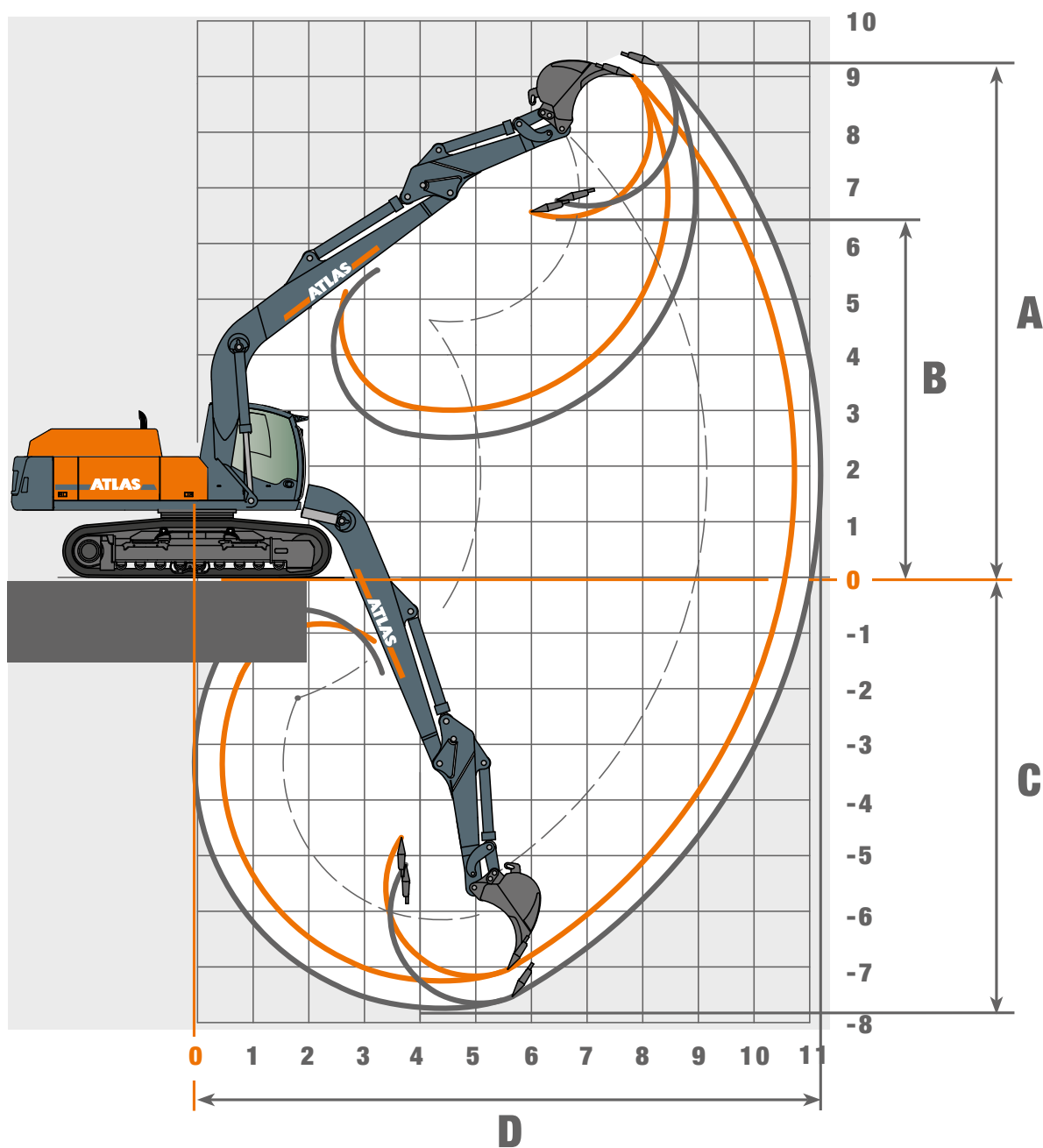
Lifting capacities Basic arm 2.1 m (C84.41), adjustable boom 5.3 m (C84.46) with Stick 4.54 m (D54.51)

	6.5 m		7.0 m		7.5 m		8.0 m		8.5 m		9.0 m		9.5 m		10.0 m		10.5 m		11.0 m		11.5 m	
																						
Heights	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL
Adjustable boom 2.1 m / 5.3 m (C84.41 / C84.46) with Stick 4.54 m (D84.51) Max. Reach 13.60 m																						
+ 10.5 m					4980	4980	3442	3442														
+ 9.0 m							6138	6138	5562	5562	4562	4562										
+ 7.5 m							6512	6512	6376	-5974	6258	-5493	5636	-5018	4525	4525						
+ 6.0 m					7063	-7054	6830	-6441	6623	-5912	6440	-5448	6279	-5039	6079	-4647	5192	-4222	3412	3412		
+ 4.5 m	8529	-8382	8068	-7569	7674	-6890	7333	6311	7035	-5807	6736	-5372	6479	-4984	6230	-4643	6024	-4255	5323	-3876	3236	3236
+ 3.0 m	9580	-8120	8931	7361	8386	-6725	7842	-6177	7453	-5704	7054	-5288	6731	-4923	6468	-4602	-6172	-4230	-5772	-3859	4648	-3523
+ 1.5 m	10523	-7919	9642	-7205	8952	-6594	8354	-6071	7837	-5618	7423	5227	-6989	-4881	-6528	4564	-6121	-4156	-5722	-3798	5217	-3475
+ 0 m	11118	-7829	10198	-7123	9419	-6528	8687	-6025	-8016	5591	-7439	-5214	-6936	-4838	-6496	-4434	-6107	-4046	-5638	-3706	4799	-3407
- 1.5 m	11251	-7817	-10311	-7092	-9419	-6477	-8652	-5947	-8001	-5486	-7440	-5080	6954	-4688	-6496	-4278	-5988	-3922	-5558	-3610		
- 3.0 m	11295	-7619	10361	-6916	9473	-6323	-8721	-5815	-8083	-5374	-7530	-4935	-6899	-4503	-6360	-4135	-5911	-3826				
-4.5 m	11459	-7536	10534	-6845	9681	-6267	-8850	-5708	-8044	-5191	-7373	-4754	5999	-4390								
-6.0 m	11838	-7508	-10685	-6744	9548	-6107																
-7.5 m																						

The specified max. loading capacities in kilogrammes include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567. These values are applicable at the tip of the arm with optimum positioning of the corresponding arm system. * Value limited due to hydraulics.

WORKING RANGES 340LC

Working ranges Monoblock boom (C84.5M, lenght 6500 mm)



Stick D 84.2 - Length 2300 mm

Equipment: A 84.81, C 84.5 M, D 84.2, F 849

			Dipper
A	Max. lifting height	mm	9010
B	Max. dump height	mm	6450
C	Max. Digging depth	mm	7245
D	Max. reach	mm	10730
	Max. reach over ground level	mm	10530
	Breakout force	kN	175,7
	Tear-out force	kN	134

Stick D 84.3 - Length 2800 mm

Equipment: A 84.81, C 84.5 M, D 84.3, F 849

			Dipper
A	Max. lifting height	mm	9210
B	Max. dump height	mm	-
C	Max. Digging depth	mm	7774
D	Max. reach	mm	11200
	Max. reach over ground level	mm	11000
	Breakout force	kN	175,7
	Tear-out force	kN	119

LIFTING CAPACITIES 340LC

Lifting capacities Monoblock boom (C84.5M, lenght 6500 mm)

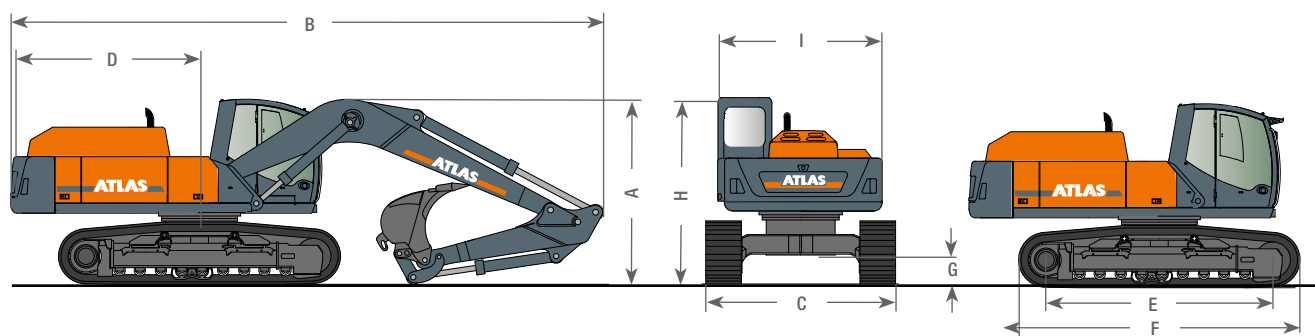
Heights	2.5 m		3.0 m		3.5 m		4.0 m		4.5 m		5.0 m		6.0 m		7.0 m		8.0 m		8.5 m	
	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL	LENGTHS	LATERAL
Monoblock boom 6.50 m (C84.5M) with Stick 2.30 m (D84.2). Wheel base 2600 mm. Max. Reach 10.73 m																				
+ 7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6912	6502*	-	-	-	-
+ 6.0 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6761	6518*	6723	5257	-	-
+ 4.5 m	-	-	-	-	-	-	-	-	10841	10841	9655	9655	8192	7911	7346	6339*	6853	5203	6736	4733
+ 3.0 m	-	-	-	-	-	-	-	-	-	-	12020	9556	9537	7516*	8163	6099*	7317	5064*	7026	4641
+ 1.5 m	-	-	-	-	-	-	-	-	-	-	-	-	10627	7194*	8904	5882*	7736*	4923*	7093*	4532*
+ 0 m	-	-	-	-	-	-	-	-	-	-	13704	8973*	11125	7018*	9212*	5739*	7626*	4823*	7009*	4455*
- 1.5 m	-	-	-	-	-	-	13225	12646*	14572	10510*	13276	8996*	11024	6982*	9162*	5695*	7604*	4803*	7021*	4466*
- 3.0 m	-	-	16968	16968	15789	15789	14553	12774*	13350	10640*	12227	9106	10268	7056*	8614	5762*	-	-	-	-
-4.5 m	15427	15427	16968	14193	13075	13075	12035	12035	11054	10896*	10119	9339*	8265	7276*	-	-	-	-	-	-
Monoblock boom 6.50 m (C84.5M) with Stick 2.80 m (D84.3). Wheel base 2600 mm. Max. Reach 11.20 m																				
+7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
+ 6.0 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6238	5418*	-	-
+ 4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6988	6464*	6544	5313*	6300	4894*
+ 3.0 m	-	-	-	-	-	-	-	-	-	-	11204	9763	9080	7643*	7851	6197*	7075	5148*	6406	4847*
+ 1.5 m	-	-	-	-	-	-	-	-	-	-	12980	9198*	10293	7267*	8673	5945*	7618	4981*	6798	4723*
+ 0 m	-	-	-	-	-	-	-	-	11455	11455*	13632	8951*	10988	7036*	9220	5768*	7662*	4855*	7157*	4590*
- 1.5 m	-	-	-	-	10420	10420	13670	12425*	14989	10379*	13488	8915*	11092	6951*	9153*	5686*	7601*	4800*	7045*	4488*
- 3.0 m	-	-	-	-	17096	15632*	15437	12572	13975	10497	12694	9001*	10590	6996*	8943	5720*	7505	4856*	7006*	4452*
-4.5 m	-	-	16176	16176	14588	14588	13240	12845	12060	10731	11008	9205*	9161	7166	7327	5911*	-	-	-	-
Monoblock boom 6.50 m (C84.5M) with Stick 2.30 m (D84.2). Wheel base 2400 mm. Max. Reach 10.73 m																				
+ 7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6912	6015*	-	-	-	-
+ 6.0 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6761	6032*	6723	4861*	-	-
+ 4.5 m	-	-	-	-	-	-	-	-	10841	10841	9655	9422*	8192	7293*	7346	5855*	6853	4808*	6736	4371*
+ 3.0 m	-	-	-	-	-	-	-	-	-	-	12020	8733*	9537	6907*	8163	5620*	7317	4670*	7026	4280*
+ 1.5 m	-	-	-	-	-	-	-	-	-	-	-	-	10627	6591*	8904	5406*	7736*	4531*	7093*	4173*
+ 0 m	-	-	-	-	-	-	-	-	-	-	13704	8165*	11125	6420*	9212*	5266*	7626*	4433*	7009*	4097*
- 1.5 m	-	-	-	-	-	-	13225	11418*	14572	9533*	13276	8187*	11024	6384*	9162*	5223*	7604*	4413*	7021*	4108*
- 3.0 m	-	-	16968	16968	15789	14287	14553	11542*	13350	9660*	12227	8295*	10268	6457*	8614	5289*	-	-	-	-
-4.5 m	15427	15427	14193	14193	13075	13075	12035	11814*	11054	9908*	10119	8522*	8265	6672*	-	-	-	-	-	-
Monoblock boom 6.50 m (C84.5M) with Stick 2.80 m (D84.3). Spurweite 2400 mm. Max. Reach 11.20 m																				
+7.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
+ 6.0 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6238	5018*	6300	4529*
+ 4.5 m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6988	5978*	6544	4916*	6406	4483*
+ 3.0 m	-	-	-	-	-	-	-	-	-	-	11204	8934*	9080	7031*	7851	5715*	7075	4753*	6798	4361*
+ 1.5 m	-	-	-	-	-	-	-	-	-	-	12980	8384*	10293	6663*	8673	5468*	7618	4589*	7157*	4229*
+ 0 m	-	-	-	-	-	-	-	-	11455	9387*	13632	8144*	10988	6437*	9220	5294*	7662*	4464*	7045*	4128*
- 1.5 m	-	-	-	-	10420	10420	13670	11206*	14989	9406*	13488	8109*	11092	6354*	9153*	5213*	7601*	4410*	7006*	4094*
- 3.0 m	-	-	-	-	17096	14008*	15437	11348*	13975	9520*	12694	8192*	10590	6398*	8943	5247*	7505	4465*	-	-
-4.5 m	-	-	16176	16176	14588	14312*	13240	11611*	12060	9748*	11008	8391*	9161	6564*	7327	5434*	-	-	-	-

The specified max. loading capacities in kilogrammes include a stability of 25% or are calculated at 87% of the hydraulic lifting power, as per ISO10567. These values are applicable at the tip of the arm with optimum positioning of the corresponding arm system. * Value limited due to hydraulics.

DIMENSION 340LC

Dimensions

340LC Transport position



A	TRANSPORT HEIGHT	B	TRANSPORT LENGTH
	Monoblock, 5.57 m (C84.3M), 2.30 m (D84.2).....3.25 m		Monoblock, 5.57 m (C84.3M), 2.30 m (D84.2).....10.17 m
	Monoblock, 5.57 m (C84.3M), 2.80 m (D84.3).....3.30 m		Monoblock, 5.57 m (C84.3M), 2.80 m (D84.3).....10.19 m
	Monoblock, 6.50 m (C84.5M), 2.30 m (D84.2).....3.35 m		Monoblock, 6.50 m (C84.5M), 2.30 m (D84.2).....11.11 m
	Monoblock, 6.50 m (C84.5M), 2.80 m (D84.3).....3.45 m		Monoblock, 6.50 m (C84.5M), 2.80 m (D84.3).....11.12 m
C	TRANSPORT WIDTH WHEEL	F	RANGE.....4.82 m
	Base plate width 600 mm.....3.20 m	G	GROUND CLEARANCE.....0.46 m
D	REAR SWIVEL RADIUS.....3.30 m	H	HEIGHT OVER CABIN.....3.11 m
E	BEARING CHAIN LENGTH.....3.89 m	I	SUPERSTRUCTURE WIDTH.....2.74 m

Design changes reserved, data not binding. Devices comply with the new European safety regulations.

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