

PRODUCT LINE

TECHNICAL SPECIFICATIONS





IMT International S.p.A. was founded in 1974 by Mr. Giulio Accorroni. Since then, the Company has concentrated on the acquisition of specific know-how for the planning and construction of hydraulic drill rigs, in constant search of high quality products and customer satisfaction.














IMT has always invested in technology and design. This policy has given life to a new plant that is on the cutting edge and whose objective is that of raising production quality even more.

In 1999, IMT International S.p.A. was certified ISO 9001. This important, official recognition was given to IMT International S.p.A. following strict inspections carried out by authorised institutions. This confirms the quality level, which has already been appreciated over the years, all over the world.

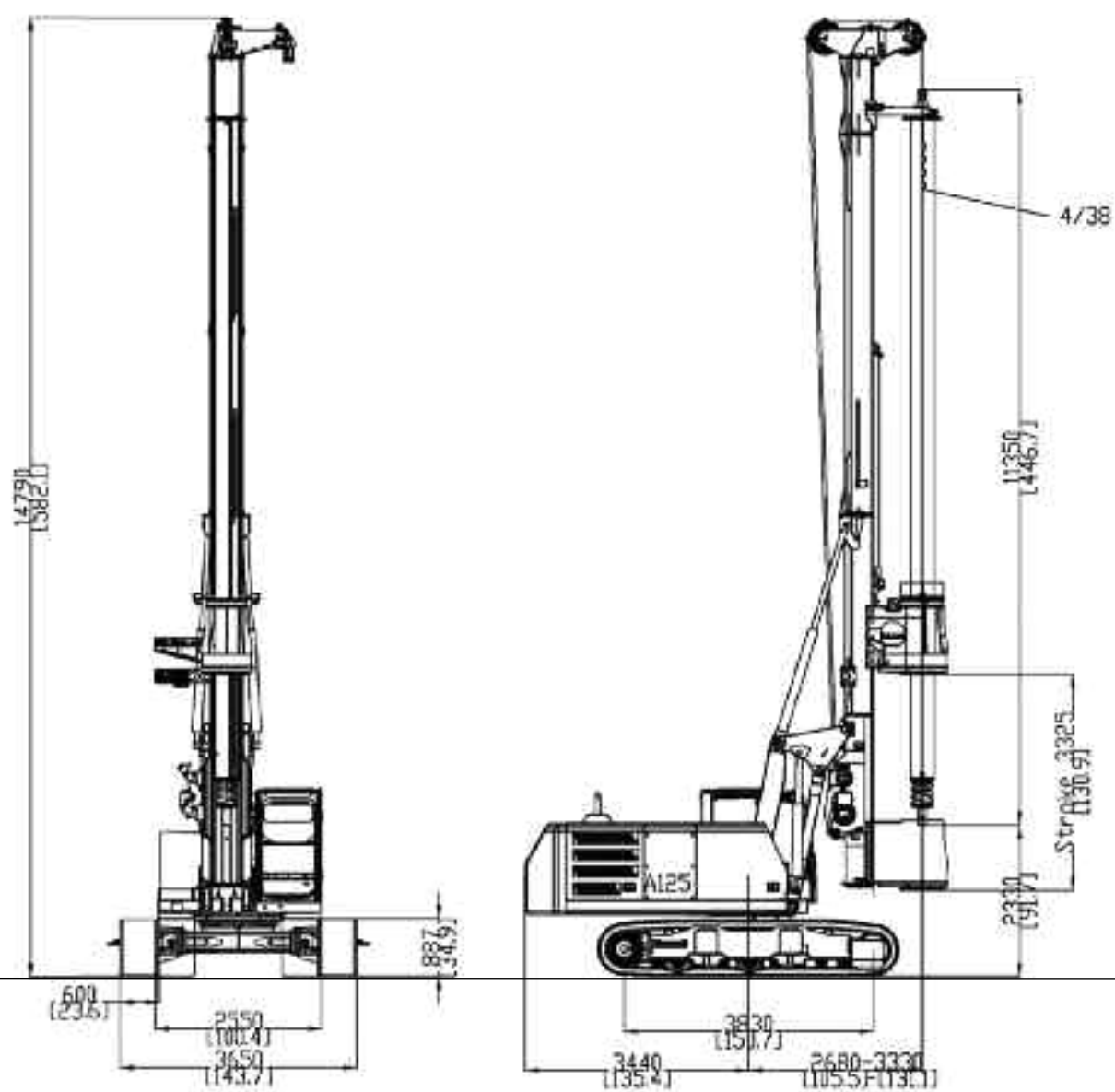
IMT International S.p.A., like very few other companies in the field, has a global commercial and assistance network, present in over 30 countries in the world. From anywhere in the world, IMT customers know they can always count on fast and efficient 24-hours service, which ensures that all inquiries are taken care of immediately. Furthermore, all IMT models are mounted on the best known bases in the field, which gives our products reliability as well as the guarantee that spare parts can be easily found all over the world.

IMT's main goal, today, is not only to improve technology, but also to make our growing family of customers satisfied for have chosen IMT.

SOLID BASIS FOR THE DIGITAL ERA

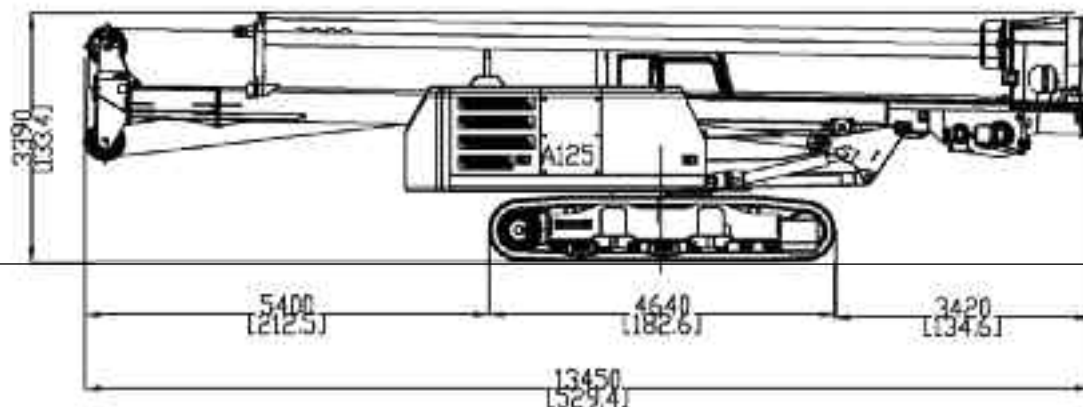
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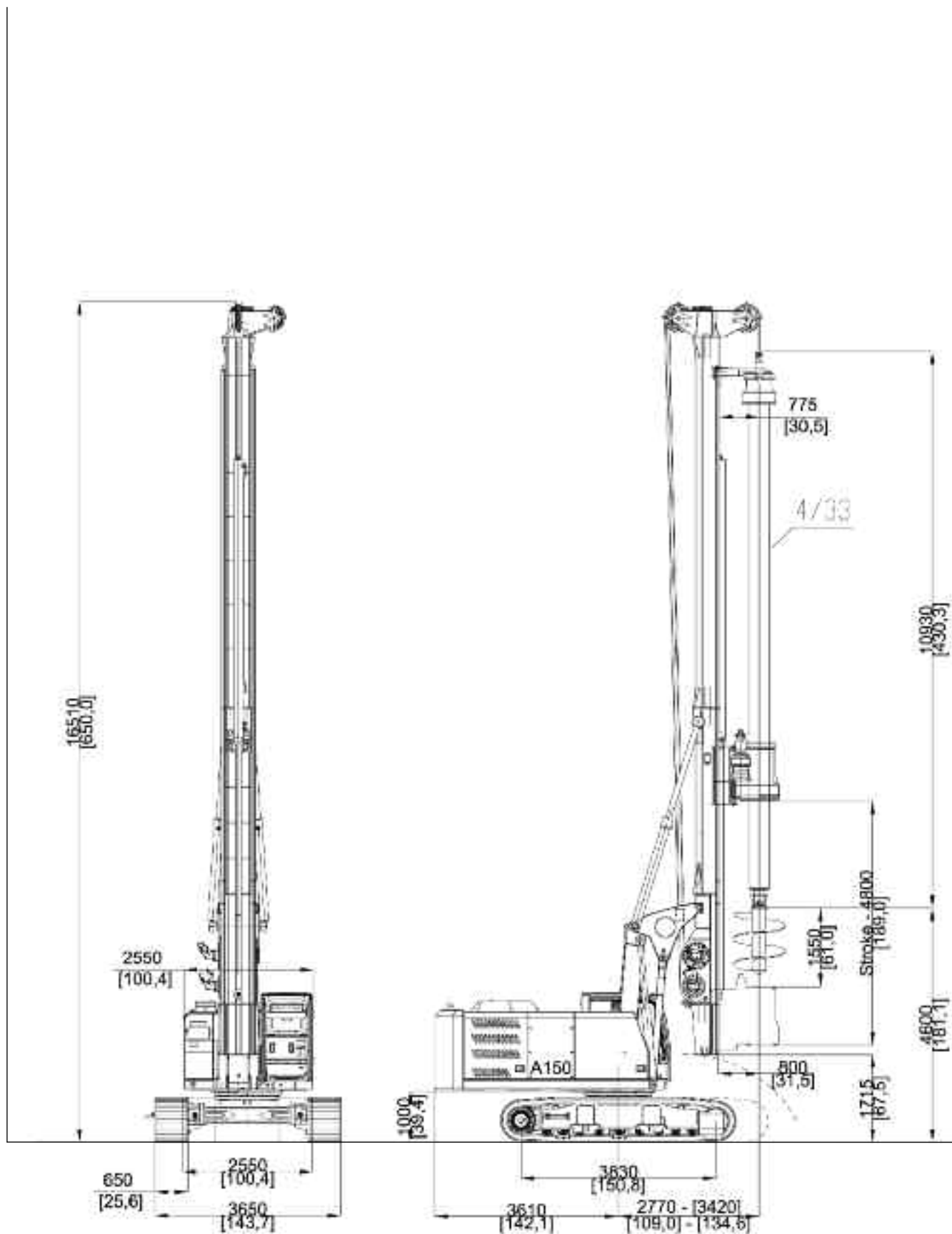


Base		IMT		IMT	
Undercarriage length / widening range / shoe		mm	CAT 4660/2550 - 3650/600	in	183/100 - 144/23,6
Engine type		Tier 4	Tier 3	Tier 4	Tier 3
Power		CAT C 6.6 Acert 120KW (163 HP) @1800 rpm	CAT C 6.4 Acert 117KW (157 HP) @1800 rpm	CAT C 6.6 Acert 120KW (163 HP) @1800 rpm	CAT C 6.4 Acert 117KW (157 HP) @1800 rpm
Rotary					
Installed torque		kNm	122	lbf ft	90000
Working speed		rpm	7,5 - 27	rpm	7,5 - 27
Discharge speed		rpm	45 - 120	rpm	45 - 120
Winches					
Main winch pull force		kN	123	lbf	27655
Main winch speed		m/min	90	ft/min	295
Main winch Cable diameter		mm	22	in	/
Auxiliary winch pull force		kN	60	lbf	13490
Auxiliary winch Speed		m/min	90	ft/min	295
Auxiliary winch Cable diameter		mm	15	in	/
Crowd system					
Kelly crowd push		kN	100	lbf	22485
Kelly crowd pull		kN	165	lbf	37095
Stroke		mm	3325	in	131
Mast					
Mast raking forward			5°		5°
Mast side raking			±5°		±5°
Mast raking backwards			15°		15°
Pile max. diameter		mm	1500	in	60
Kelly bar					
Standard			4/38		4/38
Options available			4/34 - 5/47		4/34 - 5/47
Operating Weight w/standard kelly bar		t (metric)	36	lbs	79366

All technical data are indicatives and subject to change without notice.

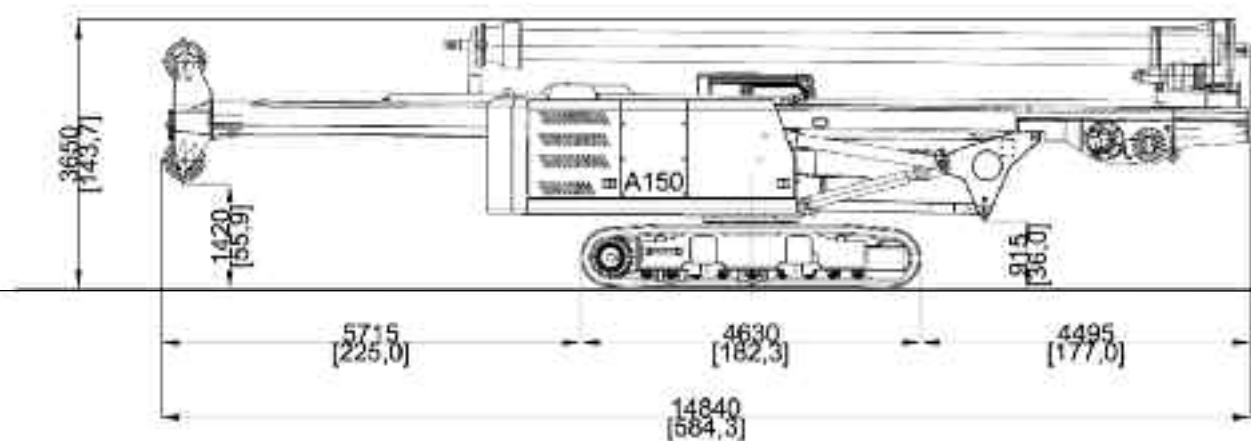


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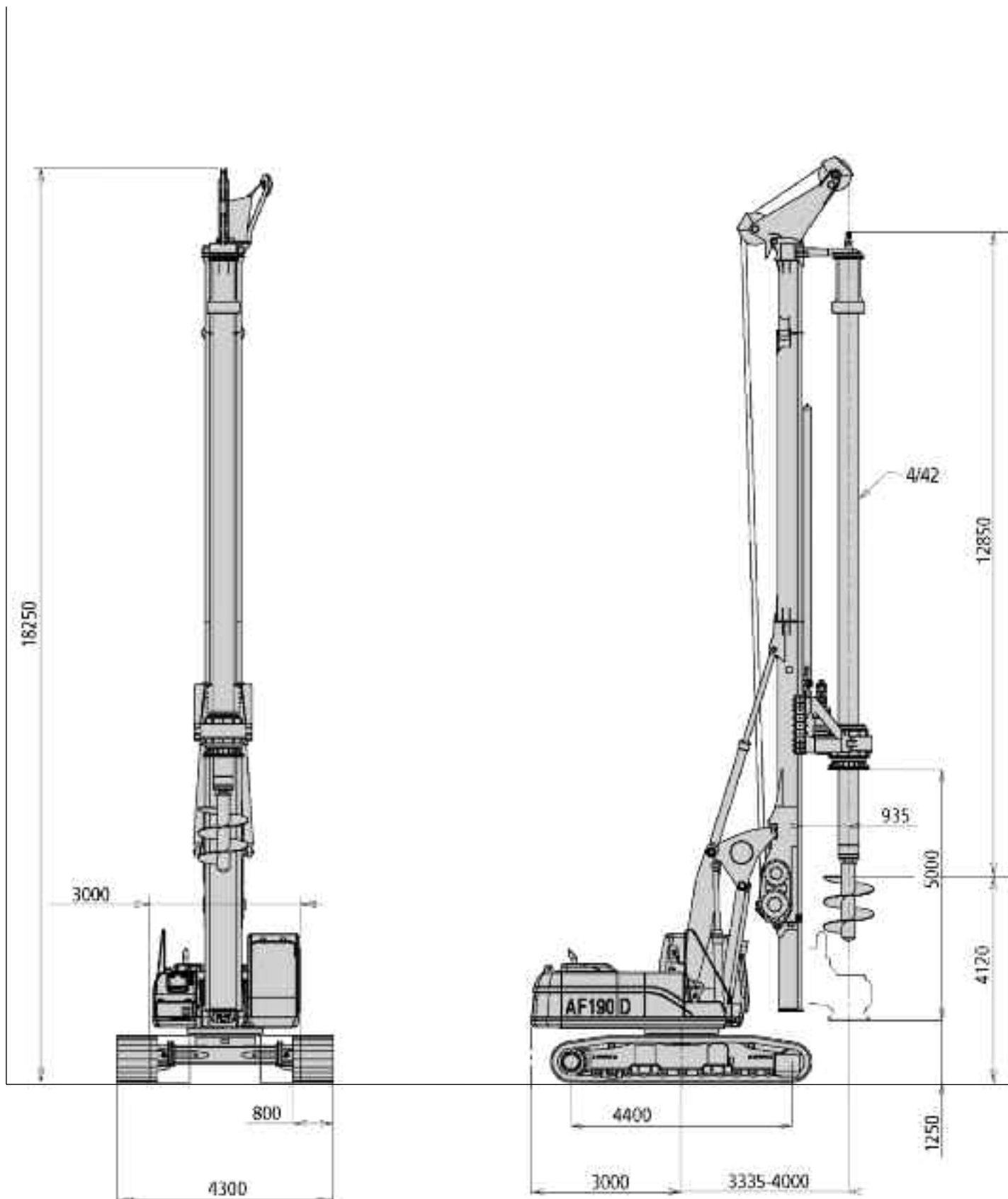


Base	IMT		IMT	
Undercarriage length / widening range / shoe	mm	CAT 4630/2950 - 4050/650	in	182/116 - 160/25,5
Engine type	CAT C 7	CAT C 7	CAT C 7	CAT C 7
Power	161KW (216 HP) @1800 rpm	161KW (216 HP) @1800 rpm	161KW (216 HP) @1800 rpm	161KW (216 HP) @1800 rpm
Rotary				
Installed torque	kNm	145	lbf ft	106950
Working speed	rpm	10-35	rpm	10-35
Discharge speed	rpm	40 - 120	rpm	40-120
Winches				
Main winch pull force	kN	155	lbf	34850
Main winch speed	m/min	90	ft/min	295
Main winch Cable diameter	mm	22	in	/
Auxiliary winch pull force	kN	60	lbf	13490
Auxiliary winch Speed	m/min	90	ft/min	295
Auxiliary winch Cable diameter	mm	15	in	/
Crowd system				
Kelly crowd push	kN	160	lbf	35970
Kelly crowd pull	kN	200	lbf	44965
Stroke	mm	5000	in	197
Mast				
Mast raking forward		5°		5°
Mast side raking		+5°		+5°
Mast raking backwards		15°		15°
Pile max. diameter	mm	1600	in	63
Kelly bar				
Standard		4/33		4/33
Options available		4/35 - 5/42 520 LCA		4/35 - 5/42 520 LCA
Operating Weight w/standard kelly bar	t (metric)	45	lbs	99210
Operating Weight w/o standard kelly bar	t (metric)	40	lbs	88185
Operating Weight w/5/20 kelly bar in LCA configuration	t (metric)	42,4	lbs	93480

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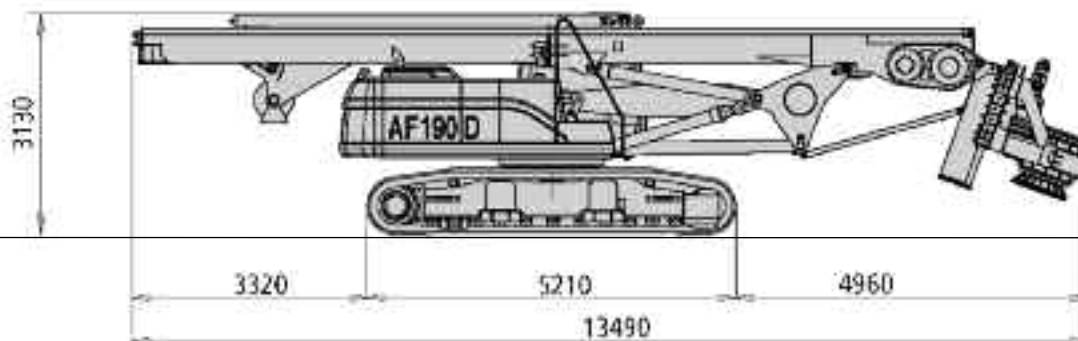
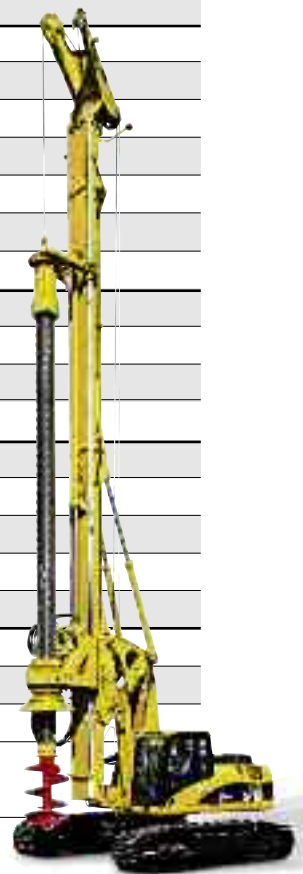


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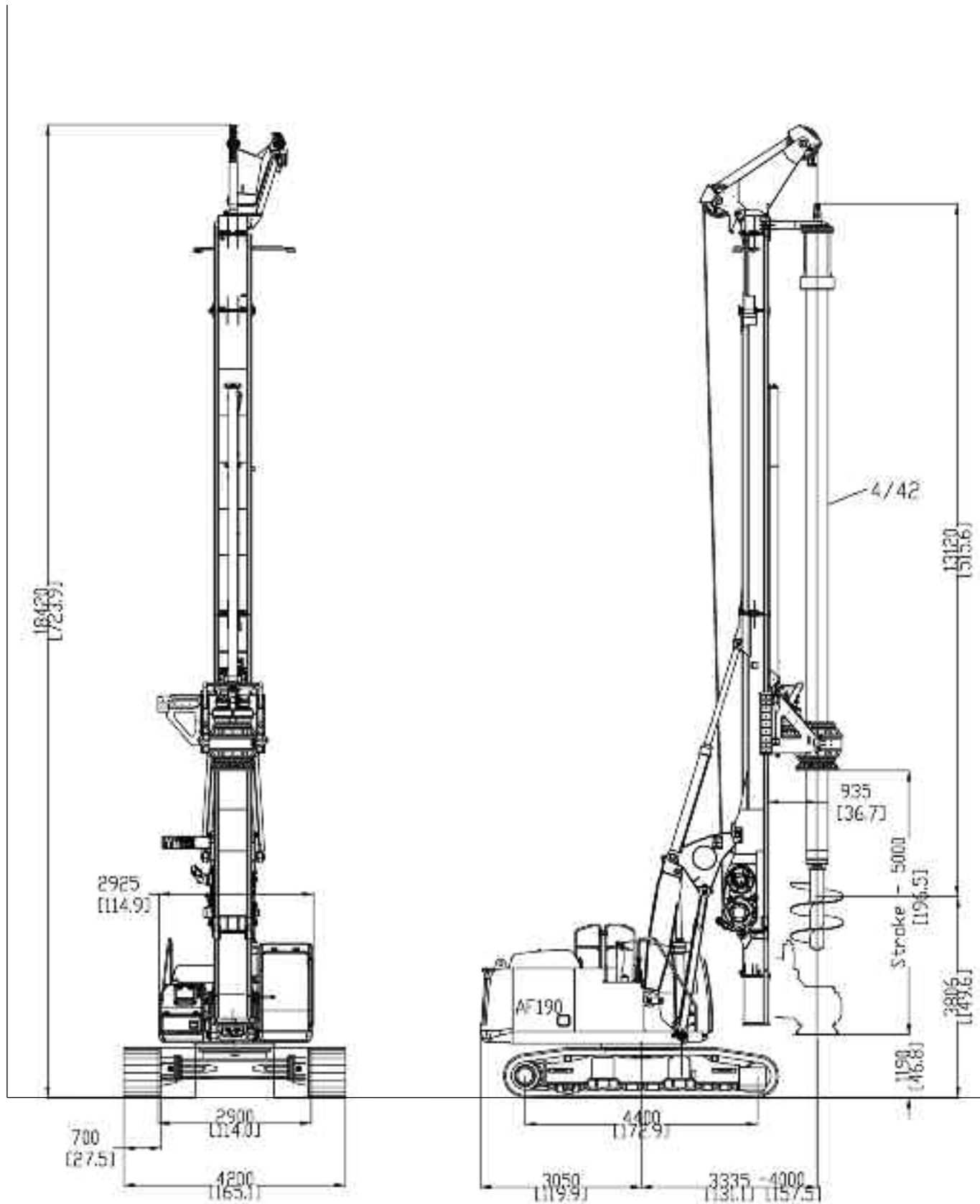


Base		Caterpillar 329D		Caterpillar 329D	
Undercarriage length / widening range / shoe	mm	CAT 5210/3000 - 4300/800	in	205/118 - 169/31,5	
Engine type		CAT C 7.2		CAT C 7.2	
Power		187 KW (250 HP) @ 1800 rpm		187 KW (250 HP) @ 1800 rpm	
Rotary					
Installed torque	kNm	205	lbf ft	151205	
Working speed		7 - 27		7 - 27	
Discharge speed		40 - 120		40 - 120	
Winches					
Main winch pull force	kN	180	lbf	40470	
Main winch speed	m/min	85	ft/min	279	
Main winch Cable diameter	mm	26	in	/	
Auxiliary winch pull force	kN	80	lbf	17985	
Auxiliary winch Speed	m/min	85	ft/min	279	
Auxiliary winch Cable diameter	mm	18	in	/	
Crowd system					
Kelly crowd push	kN	180	lbf	40470	
Kelly crowd pull	kN	200	lbf	44965	
Stroke (mm)	mm	5000	in	197	
Mast					
Mast raking forward		5°		5°	
Mast side raking		±8°		±8°	
Mast raking backwards		15°		15°	
Pile max. diameter	mm	1800	in	71	
Kelly bar					
Standard		4/42		4/42	
Options available		4/46 - 4/48 - 5/60		4/46 - 4/48 - 5/60	
Operating Weight w/standard kelly bar	t (metric)	54	lbs	119050	

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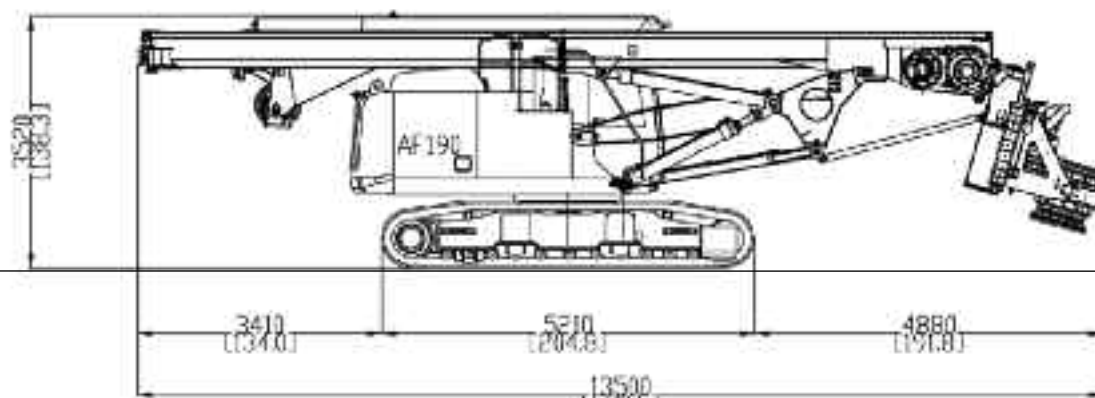


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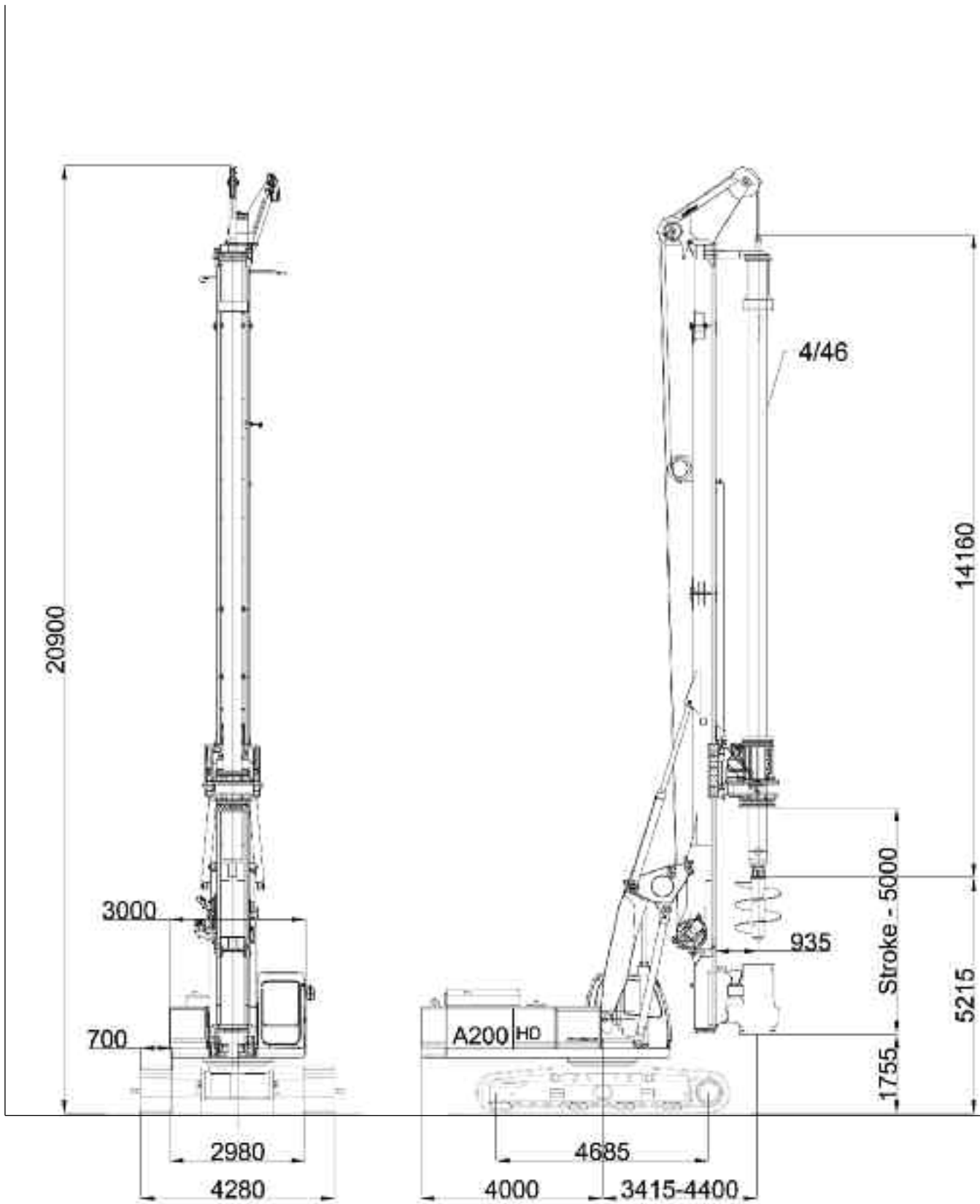


Base		Caterpillar 329E		Caterpillar 329E	
Undercarriage length / widening range / shoe	mm	CAT 5210/2900 - 4200/700	in	205/114 - 165,3/27,5	
Engine type		CAT C 7.1		CAT C 7.1	
Power		181 KW (245 HP) @ 1800 rpm		181 KW (245 HP) @ 1800 rpm	
Rotary					
Installed torque	kNm	205	lbf ft	151205	
Working speed		7 - 27		7 - 27	
Discharge speed		40 - 110		40 - 110	
Winches					
Main winch pull force	kN	200	lbf	44965	
Main winch speed	m/min	85	ft/min	279	
Main winch Cable diameter	mm	26	in	/	
Auxiliary winch pull force	kN	80	lbf	17985	
Auxiliary winch Speed	m/min	85	ft/min	279	
Auxiliary winch Cable diameter	mm	18	in	/	
Crowd system					
Kelly crowd push	kN	180	lbf	40470	
Kelly crowd pull	kN	200	lbf	44965	
Stroke (mm)	mm	5000	in	197	
Mast					
Mast raking forward		5°		5°	
Mast side raking		+8°		+8°	
Mast raking backwards		15°		15°	
Pile max. diameter	mm	1800	in	71	
Kelly bar					
Standard		4/42		4/42	
Options available		4/46 - 4/48 - 5/60		4/46 - 4/48 - 5/60	
Operating Weight w/standard kelly bar		t (metric) 54		lbs 119050	

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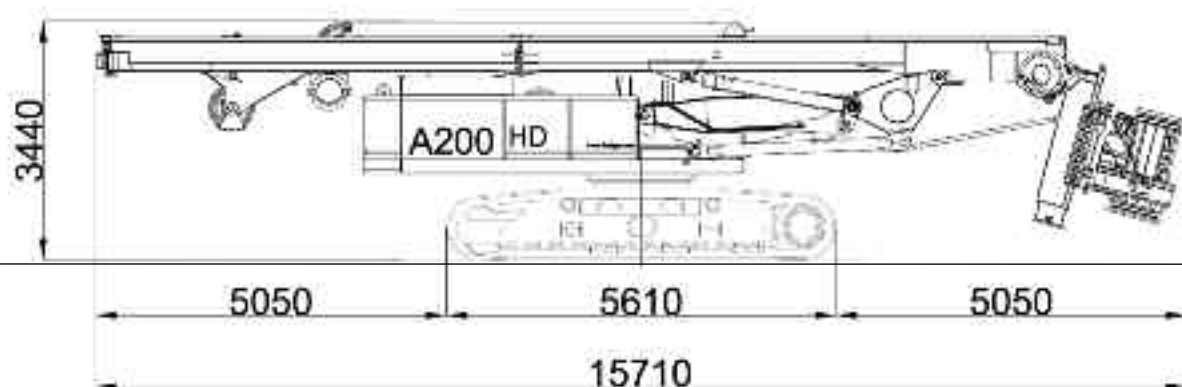


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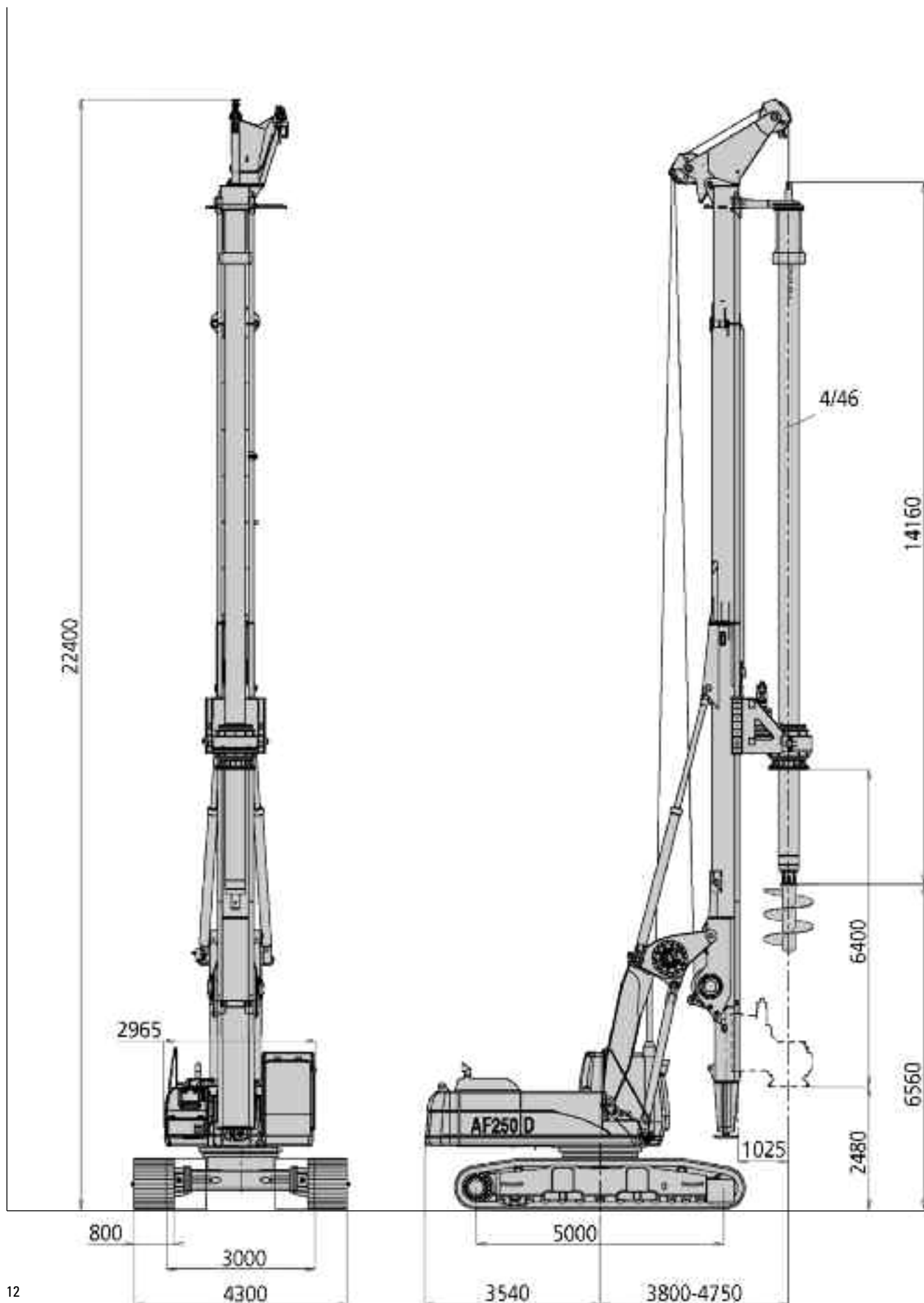


Base	IMT		IMT	
Undercarriage length / widening range / shoe	mm	5605/2980 - 4280/700	in	221/117 - 169/27,5
Engine type	CAT C 9		CAT C 9	
Power	261 KW (350 HP) @ 1800 rpm		261 KW (350 HP) @1800 rpm	
Rotary				
Installed torque	kNm	205	lbf ft	151205
Working speed	10 - 23		10 - 23	
Discharge speed	40 - 100		40 - 100	
Winches				
Main winch pull force	kN	200	lbf	44965
Main winch speed	m/min	85	ft/min	279
Main winch Cable diameter	mm	26	in	/
Auxiliary winch pull force	kN	75	lbf	16865
Auxiliary winch Speed	m/min	70	ft/min	230
Auxiliary winch Cable diameter	mm	18	in	/
Crowd system				
Kelly crowd push	kN	180	lbf	40470
Kelly crowd pull	kN	200	lbf	44965
Stroke (mm)	mm	5000	in	197
Mast				
Mast raking forward	5°		5°	
Mast side raking	+8°		+8°	
Mast raking backwards	15°		15°	
Pile max. diameter	mm	1800	in	71
Kelly bar				
Standard	4/46		4/46	
Options available	5/60 - 4/48 - 4/42		5/60 - 4/48 - 4/42	
Operating Weight w/standard kelly bar	t (metric)	62	lbs	132277

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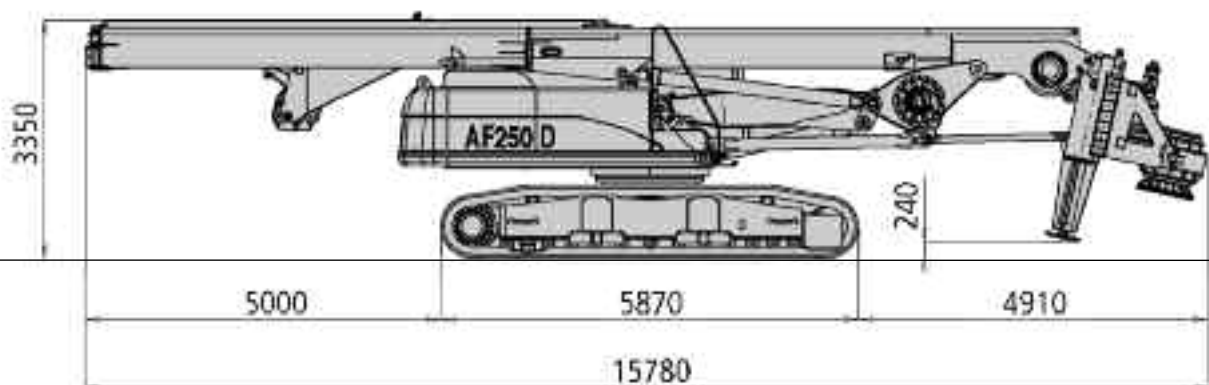
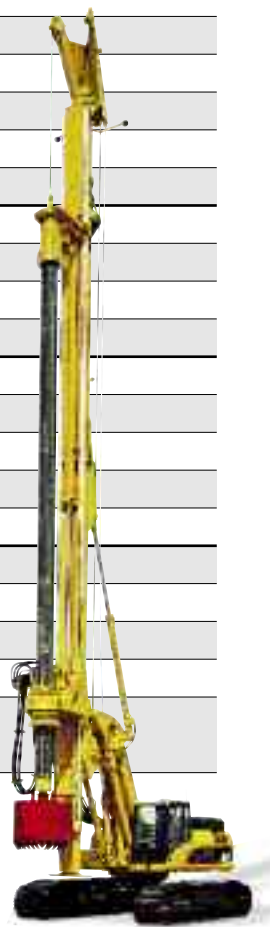


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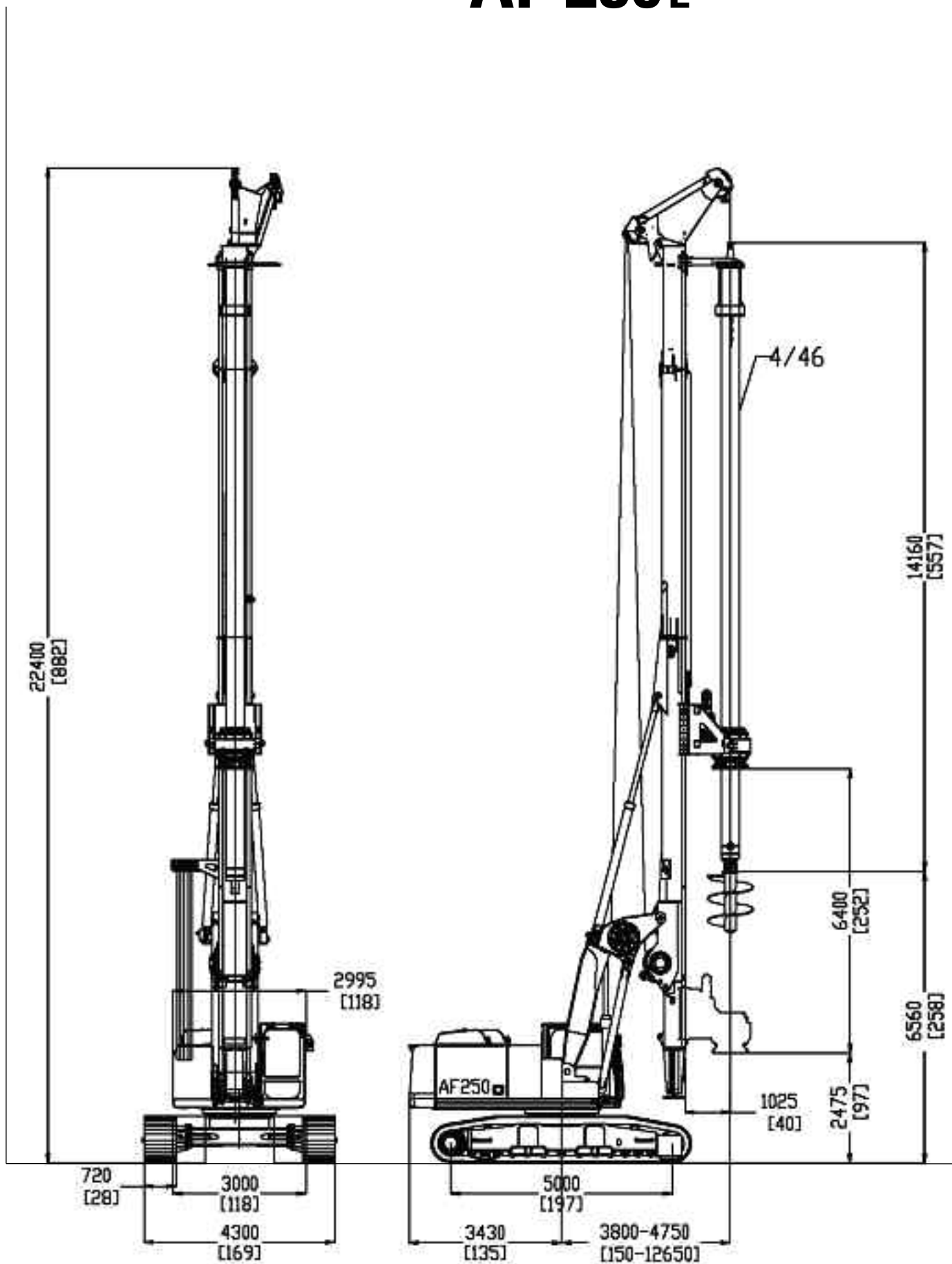


Base		Caterpillar 336D	Caterpillar 336D
Undercarriage length / widening range / shoe	mm	CAT 5870/3000 - 4300/800	in 231/118 - 169/31,5
Engine type		CAT C9	CAT C9
Power		261 KW (350 HP) @ 1800 rpm.	261 KW (350 HP) @1800 rpm.
Rotary			
Installed torque	kNm	260	lbf ft 191770
Working speed	rpm	7 - 27	rpm 7 - 27
Discharge speed	rpm	45 - 110	rpm 45 - 110
Winches			
Main winch pull force	kN	240	lbf 53955
Main winch speed	m/min	73	ft/min 240
Main winch Cable diameter	mm	28	in /
Auxiliary winch pull force	kN	120	lbf 26980
Auxiliary winch Speed	m/min	80	ft/min 262
Auxiliary winch Cable diameter	mm	22	in /
Crowd system			
Kelly crowd push	kN	250	lbf 56205
Kelly crowd pull	kN	390	lbf 87680
Stroke	mm	6400	in 252
Mast			
Mast raking forward		5°	5°
Mast side raking		±8°	±8°
Mast raking backwards		15°	15°
Pile max. diameter	mm	2000	in 79
Kelly bar			
Standard		4/46	4/46
Options available		4/48 - 5/66	4/48 - 5/66
Operating Weight w/standard kelly bar		t(metric) 69	lbs 147710

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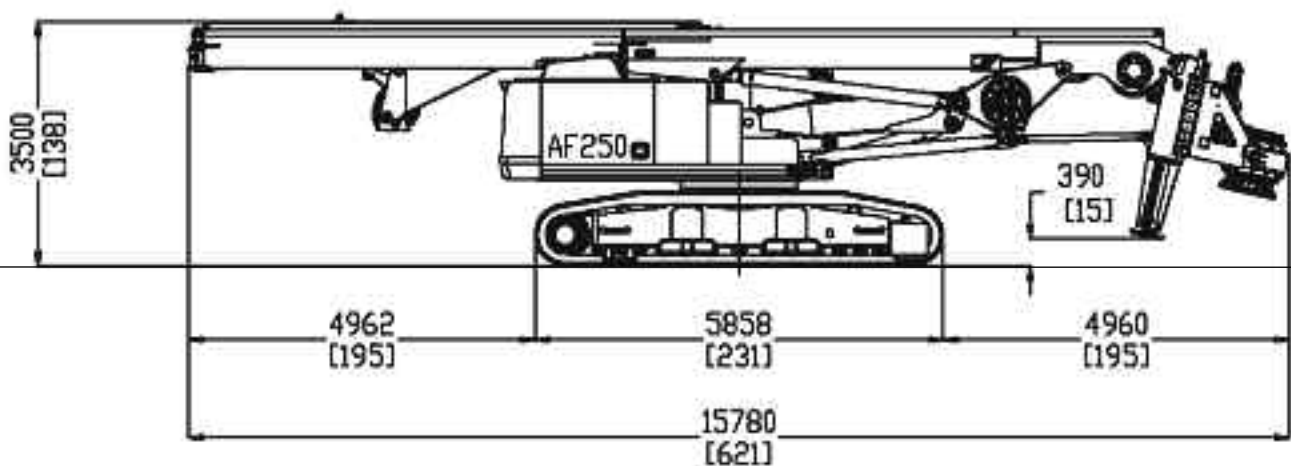


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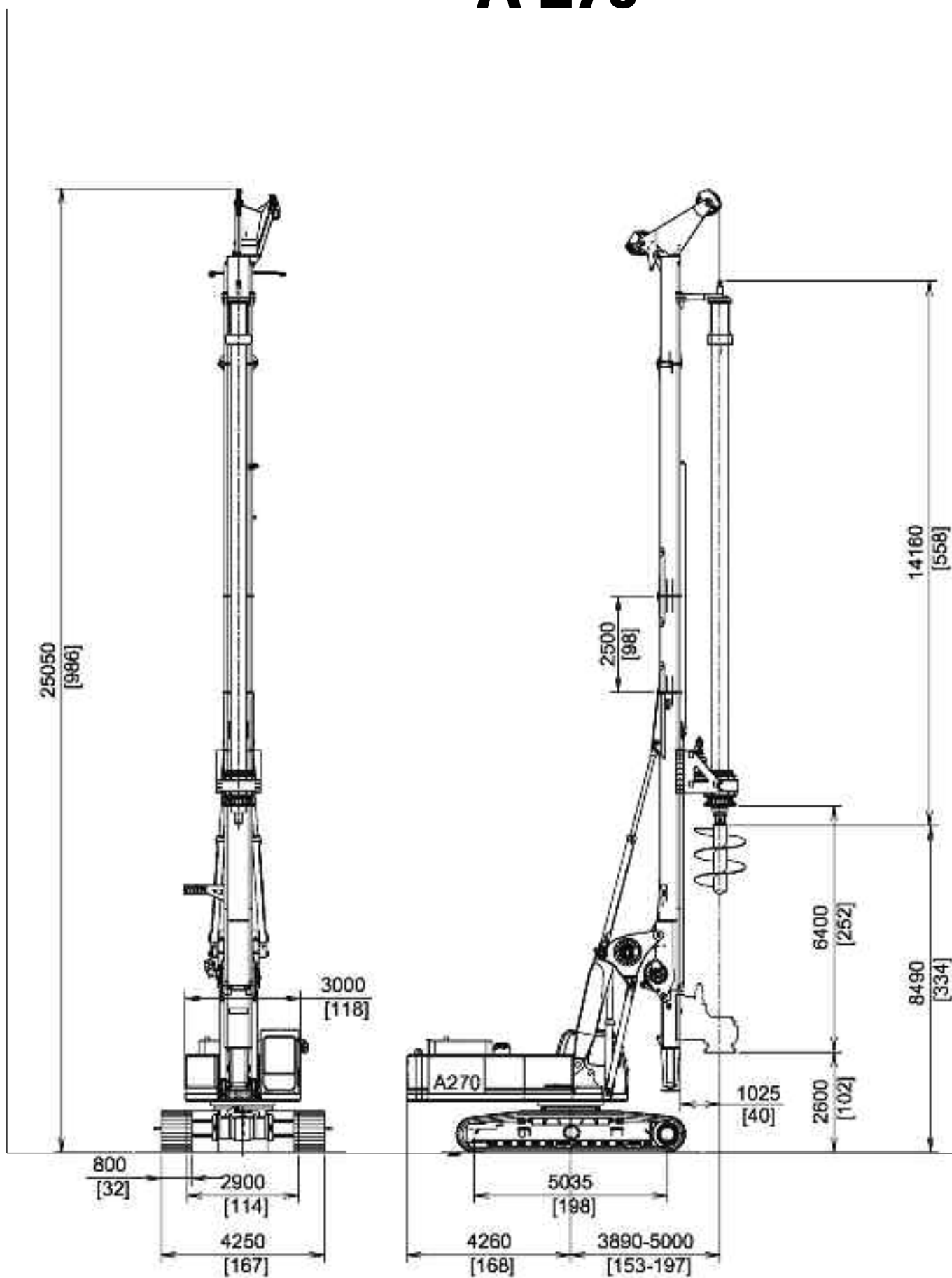


Base		Caterpillar 336E	Caterpillar 336E
Undercarriage length / widening range / shoe	mm	CAT 5860/3000 - 4270/720	in 231/118 - 169/28,5
Engine type		CAT C 9.3	CAT C 9.3
Power		241 KW (323 HP) @ 1800 rpm.	241 KW (323 HP) @1800 rpm.
Rotary			
Installed torque	kNm	260	lbf ft 191770
Working speed	rpm	7 - 27	rpm 7 - 27
Discharge speed	rpm	45 - 110	rpm 45 - 110
Winches			
Main winch pull force	kN	240	lbf 53955
Main winch speed	m/min	73	ft/min 240
Main winch Cable diameter	mm	28	in /
Auxiliary winch pull force	kN	120	lbf 26980
Auxiliary winch Speed	m/min	80	ft/min 262
Auxiliary winch Cable diameter	mm	22	in /
Crowd system			
Kelly crowd push	kN	250	lbf 56205
Kelly crowd pull	kN	390	lbf 87680
Stroke	mm	6400	in 252
Mast			
Mast raking forward		5°	5°
Mast side raking		+8°	+8°
Mast raking backwards		15°	15°
Pile max. diameter	mm	2000	in 79
Kelly bar			
Standard		4/46	4/46
Options available		4/48 - 5/66	4/48 - 5/66
Operating Weight w/standard kelly bar	t(metric)	69	lbs 152120

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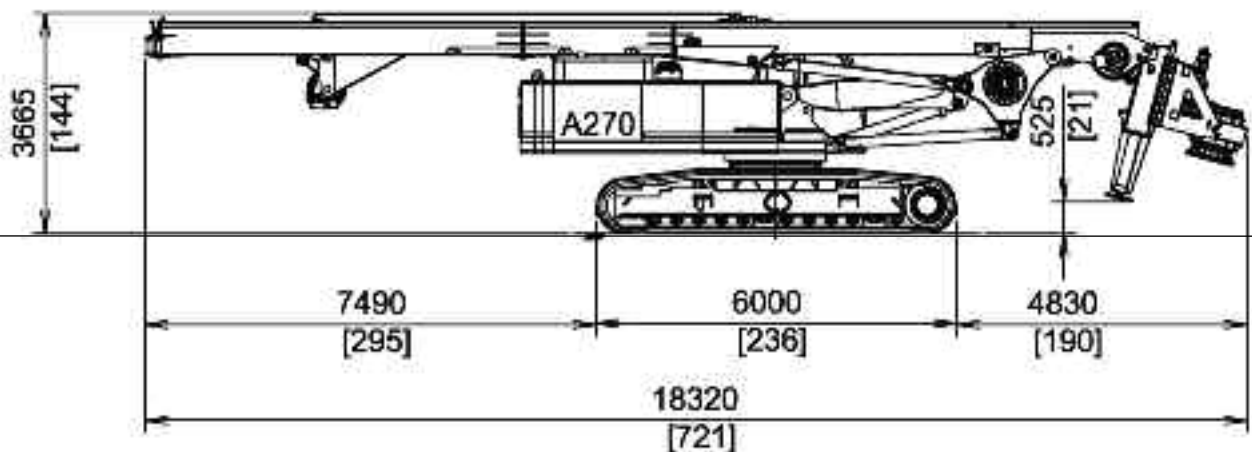


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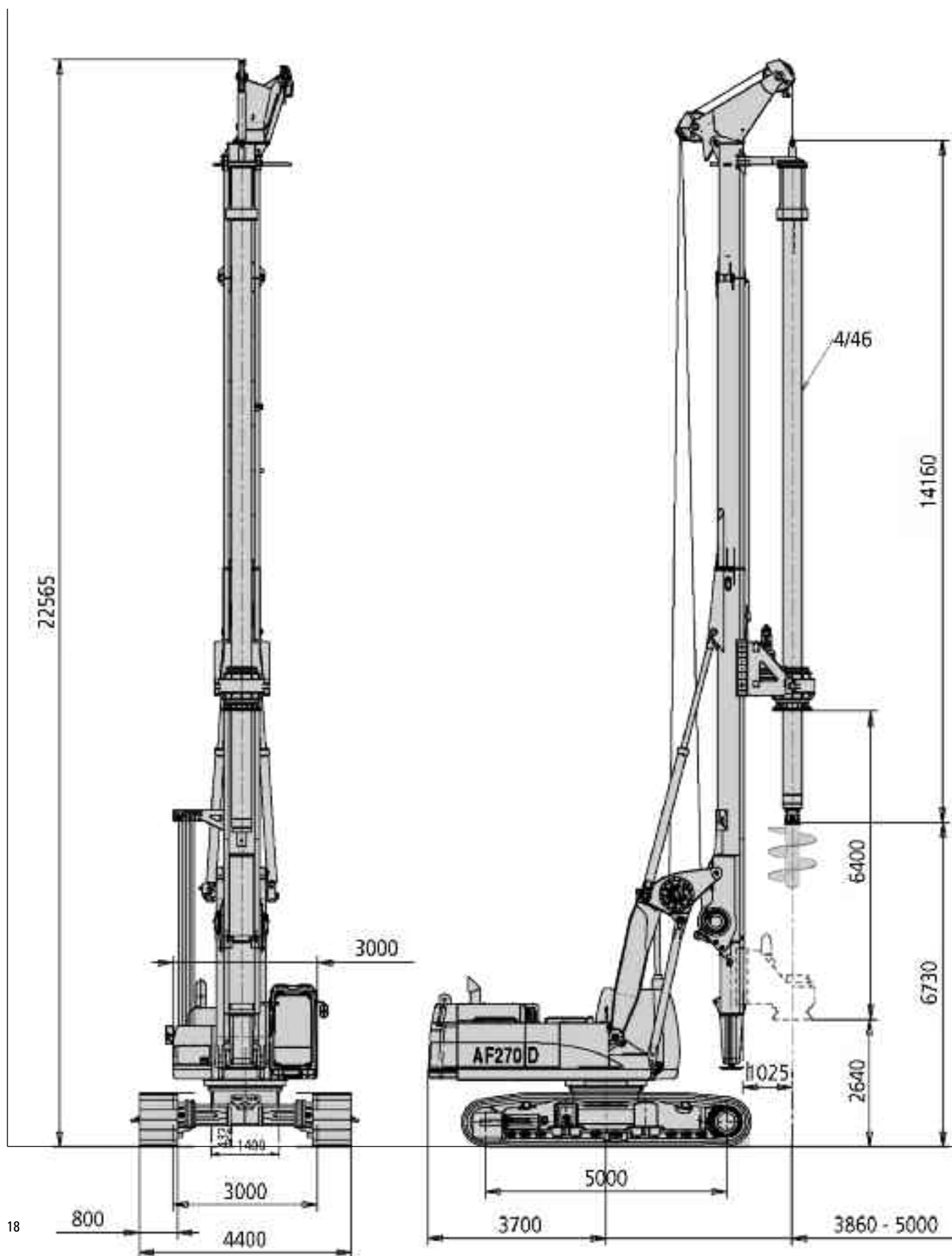


Base	IMT		IMT	
Undercarriage length / widening range / shoe	mm	6000/2900 - 4250/800	in	236/114 - 167/31,5
Engine type	CAT C13		CAT C13	
Power	310 Kw (422 HP) @ 1800 rpm.		310 Kw (422 HP) @1800 rpm.	
Rotary				
Installed torque	kNm	275	lbf ft	202830
Working speed	rpm	8 - 30	rpm	8 - 30
Discharge speed	rpm	48 - 115	rpm	48 - 115
Winches				
Main winch pull force	kN	250	lbf	56200
Main winch speed	m/min	73	ft/min	240
Main winch Cable diameter	mm	28	in	/
Auxiliary winch pull force	kN	120	lbf	26980
Auxiliary winch Speed diameter	m/min	80	ft/min	262
Auxiliary winch Cable diameter	mm	22	in	/
Crowd system				
Kelly crowd push	kN	300	lbf	67445
Kelly crowd pull	kN	390	lbf	87680
Stroke	mm	6400	in	252
Mast				
Mast raking forward	5°		5°	
Mast side raking	+8°		+8°	
Mast raking backwards	15°		15°	
Pile max. diameter	mm	2000	in	79
Kelly bar				
Standard	4/46		4/46	
Options available	4/35 - 4/52 - 5/50 - 5/66 - 5/70		4/35 - 4/52 - 5/50 - 5/66 - 5/70	
Operating Weight w/standard kelly bar	t(metric)	73,5	lbs	164640

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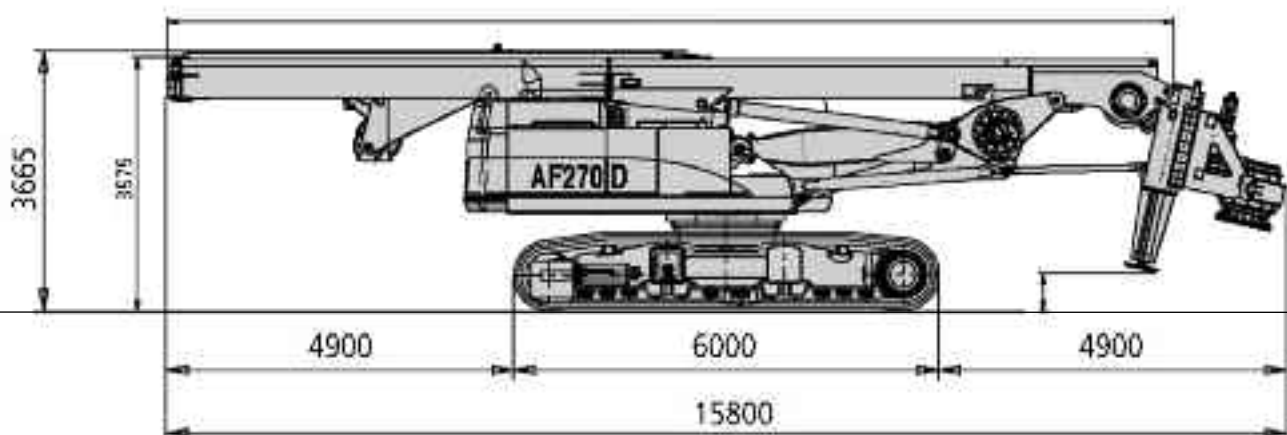
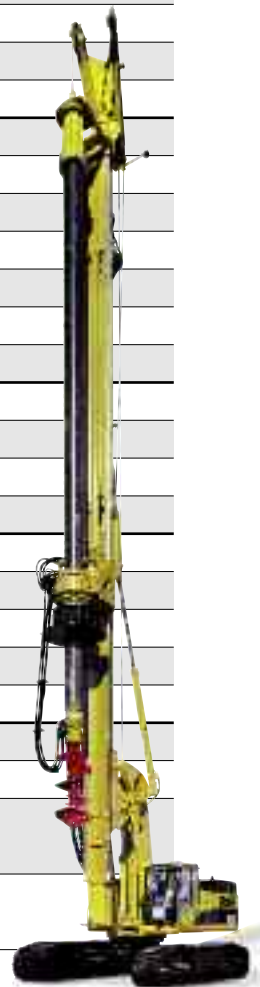


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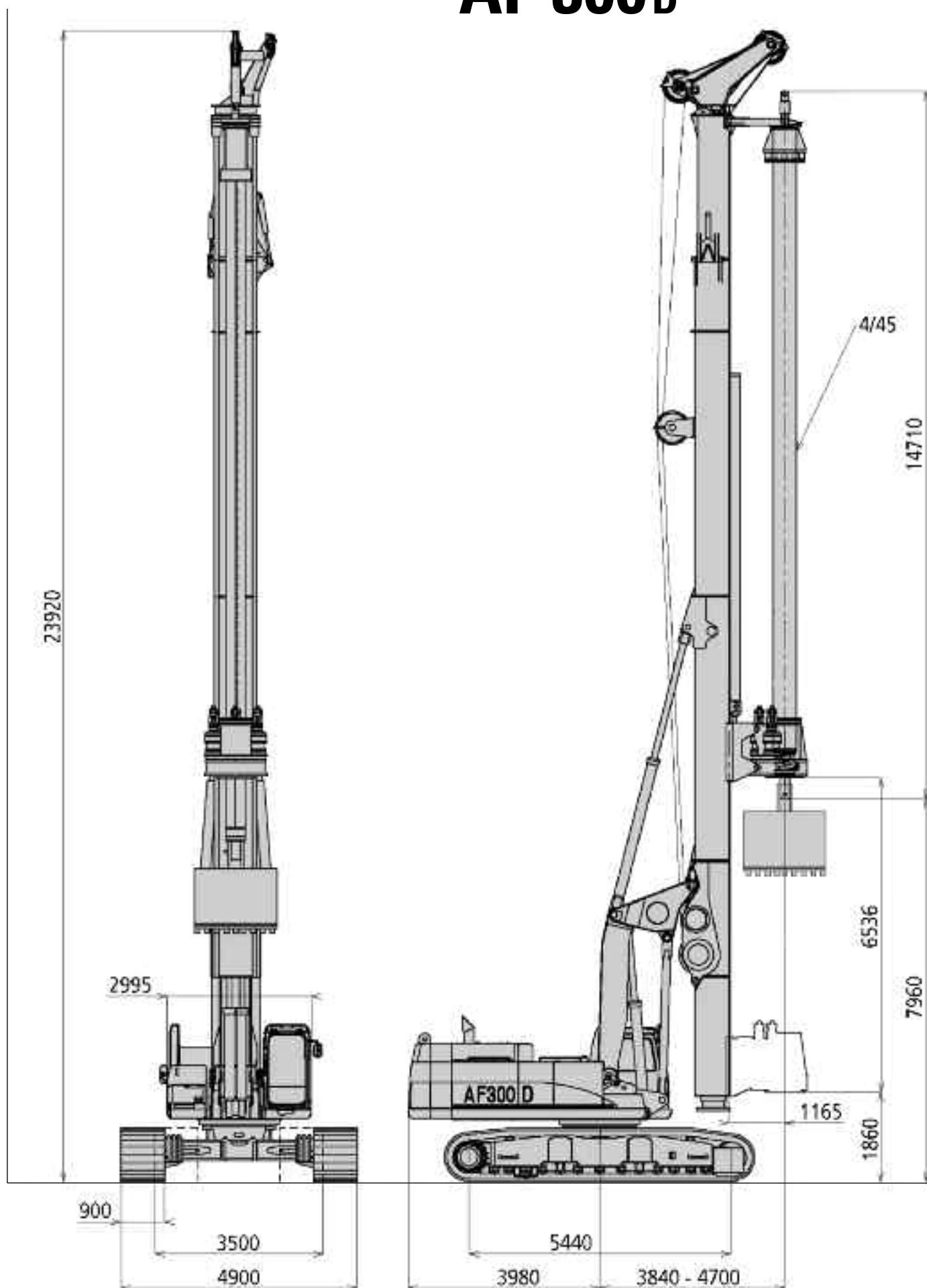


Base		CAT 349 D		CAT 349 D	
Undercarriage length / widening range / shoe	mm	6000/3000 - 4400/800		in	236/118 - 173/31,5
Engine type		CAT C13		CAT C13	
Power		305 Kw (410hp) @ 1800 rpm.		277 Kw (410hp) @1800 rpm.	
Rotary					
Installed torque	kNm	275		lbf ft	202830
Working speed	rpm	8 - 30		rpm	8 - 30
Discharge speed	rpm	48 - 115		rpm	48 - 115
Winches					
Main winch pull force	kN	250		lbf	56200
Main winch speed	m/min	73		ft/min	240
Main winch Cable diameter	mm	28		in	/
Auxiliary winch pull force	kN	120		lbf	26980
Auxiliary winch Speed diameter	m/min	80		ft/min	262
Auxiliary winch Cable diameter	mm	22		in	/
Crowd system					
Kelly crowd push	kN	300		lbf	67445
Kelly crowd pull	kN	390		lbf	87680
Stroke	mm	6400		in	252
Mast					
Mast raking forward		5°		5°	
Mast side raking		±8°		±8°	
Mast raking backwards		15°		15°	
Pile max. diameter	mm	2000		in	79
Kelly bar					
Standard		4/46		4/46	
Options available		4/35 - 4/52 - 5/50 - 5/66		4/35 - 4/52 - 5/50 - 5/66	
Operating Weight w/standard kelly bar	t(metric)	80		lbs	176370

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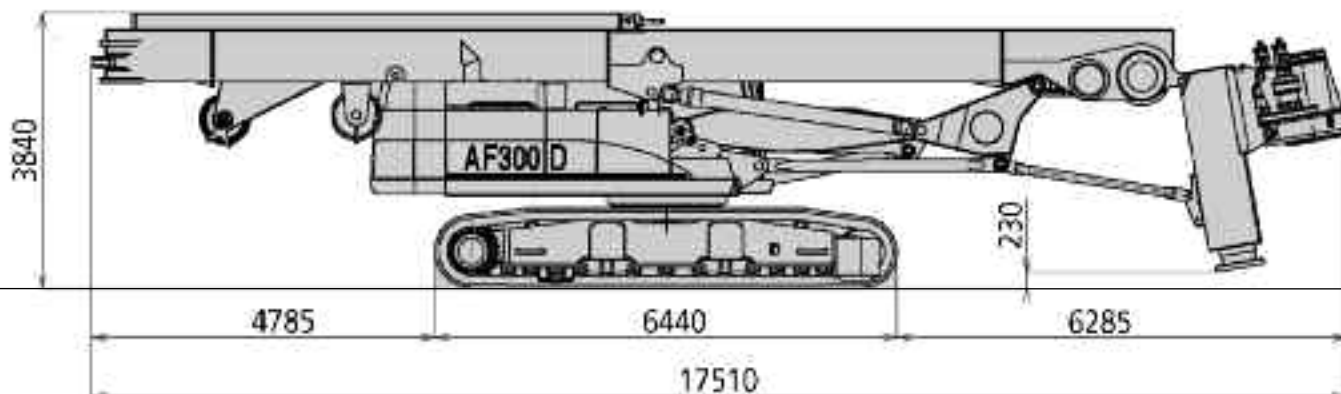
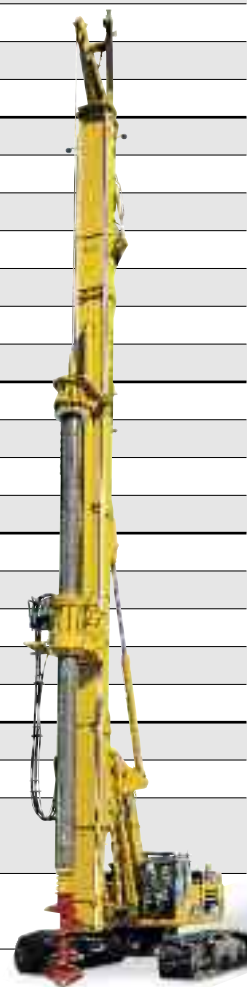


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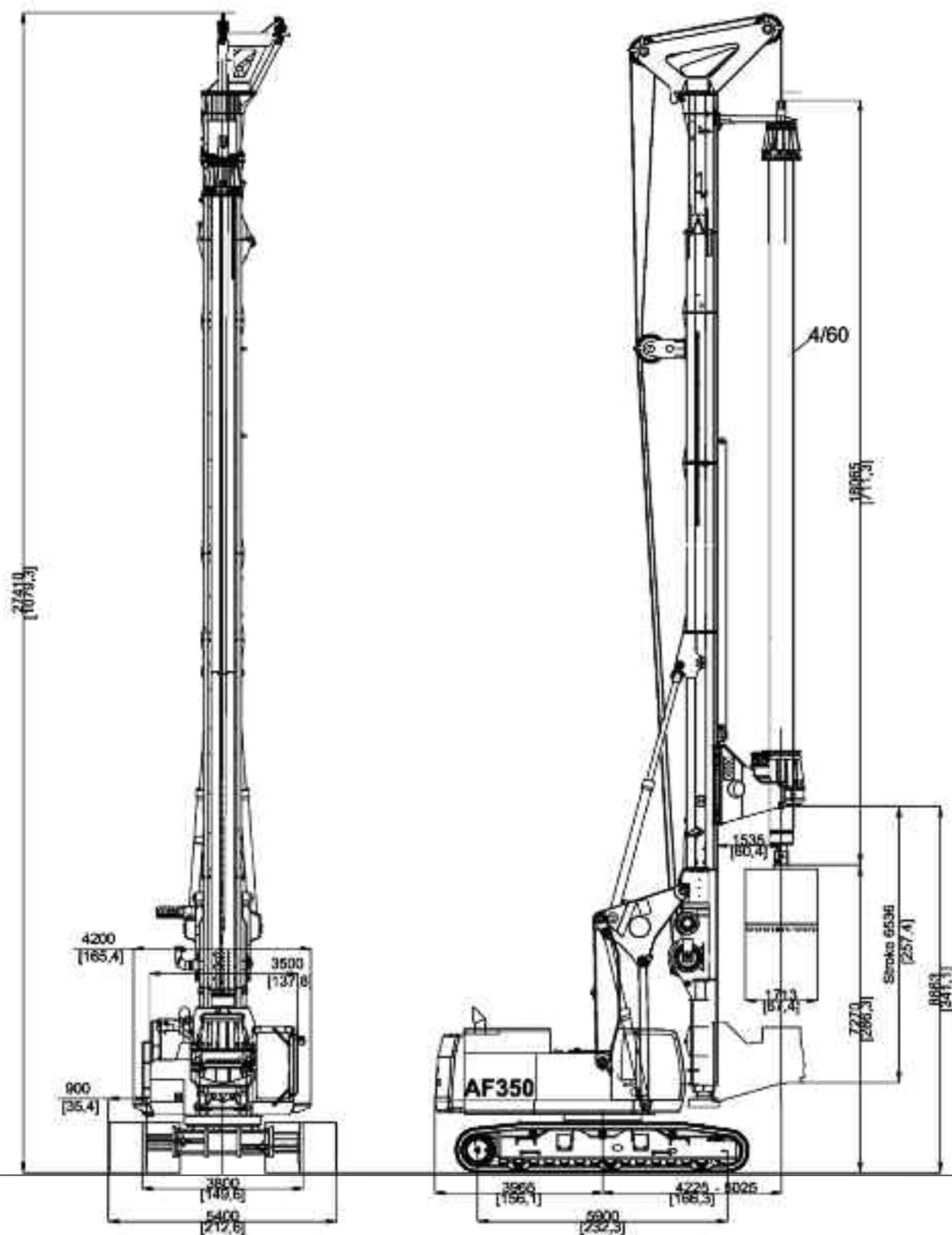


Base		CAT 349 D		CAT 349 D	
Undercarriage length / widening range / shoe	mm	CAT 6440/3500 - 4900/900		in	253/137 - 193/35,4
Engine type		CAT C13		CAT C13	
Power		328 KW (440 HP) @ 1800 rpm.		328 KW (440 HP) @1800 rpm.	
Rotary					
Installed torque	kNm	310		lbf ft	228645
Working speed	rpm	6,5 - 28		rpm	6,5 - 28
Discharge speed	rpm	45 - 110		rpm	45 - 110
Winches					
Main winch pull force	kN	300		lbf	67442
Main winch speed	m/min	70		ft/min	230
Main winch Cable diameter	mm	32		in	/
Auxiliary winch pull force	kN	150		lbf	33725
Auxiliary winch Speed	m/min	80		ft/min	262
Auxiliary winch Cable diameter	mm	20		in	/
Crowd system					
Kelly crowd push	kN	350		lbf	78685
Kelly crowd pull	kN	390		lbf	87680
Stroke	mm	6536		in	257
Mast					
Mast raking forward		5°		5°	
Mast side raking		±8°		±8°	
Mast raking backwards		15°		15°	
Pile max. diameter	mm	2300		in	91
Kelly bar					
Standard		4/45		4/45	
Options available		3/35 - 4/50 - 5/64 - 6/75		3/35 - 4/50 - 5/64 - 6/75	
Operating Weight w/standard kelly bar	t(metric)	91		lbs	200625

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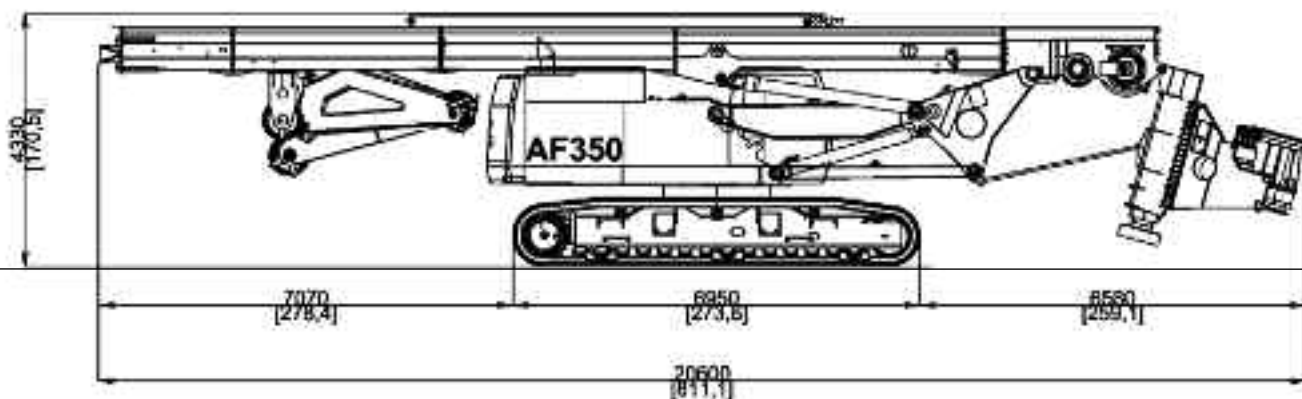


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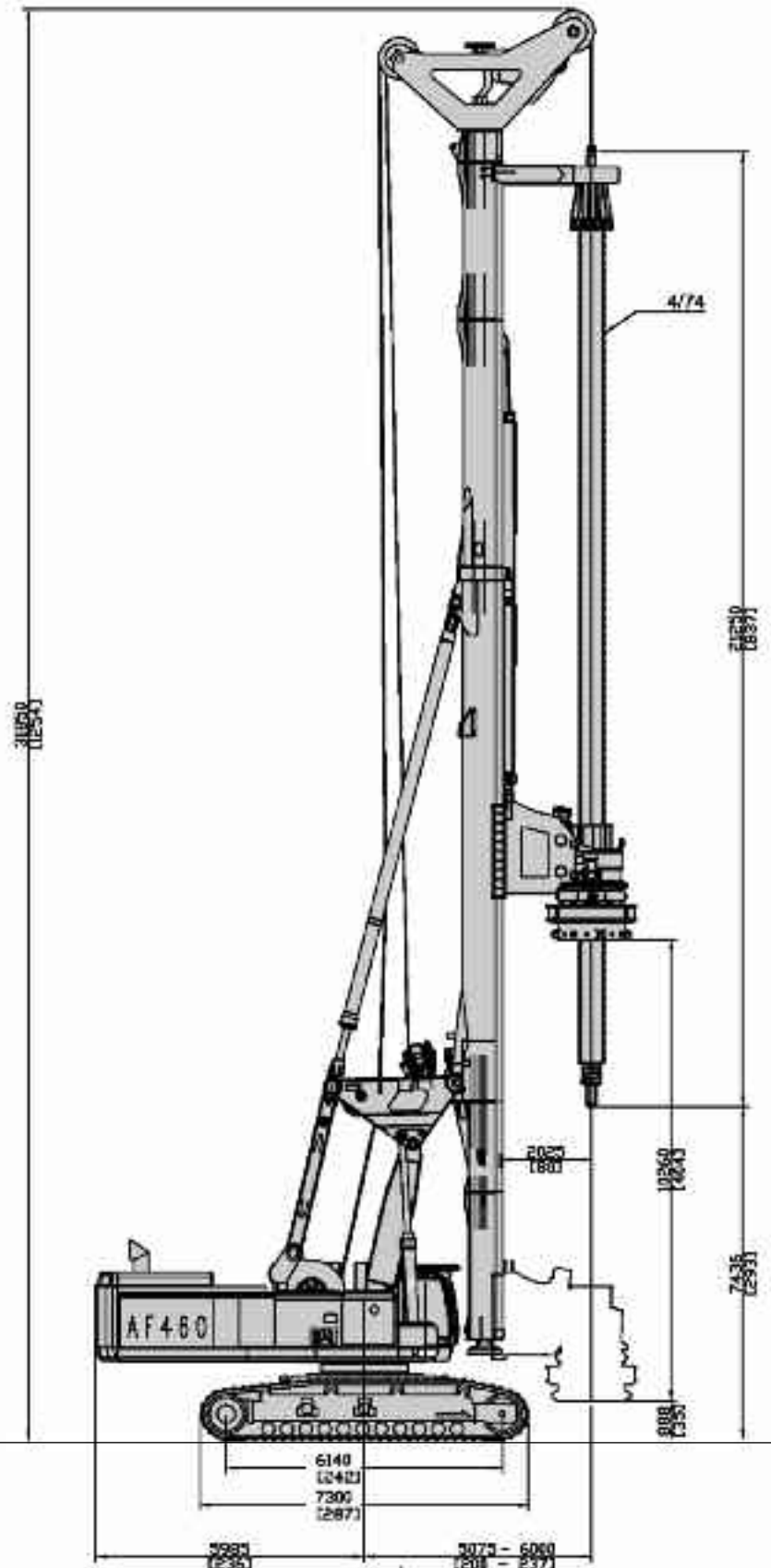
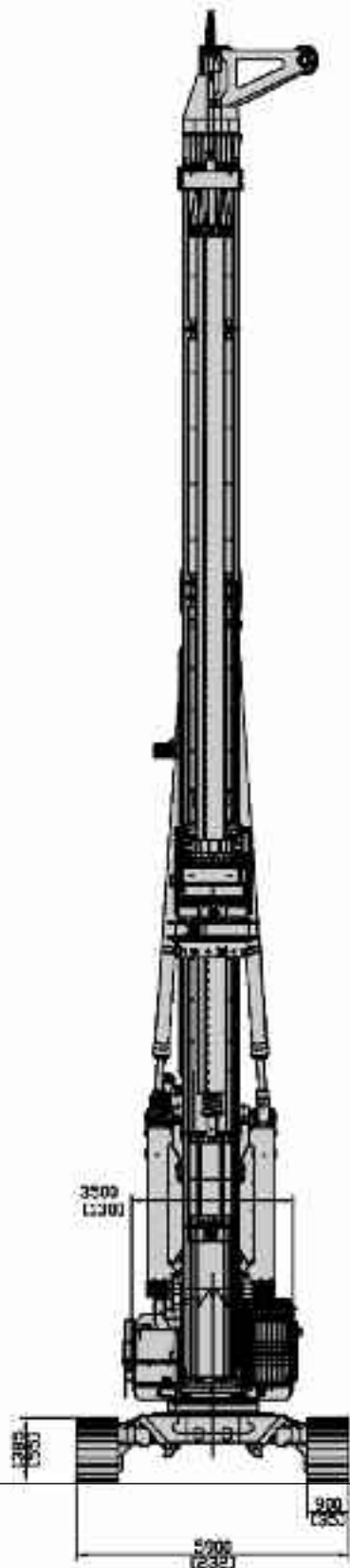


Base	CAT 374 D		CAT 374 D	
Undercarriage length / widening range / shoe	mm	CAT 6950/3800 - 5400/900	mm	CAT 6950/3800 - 5400/900
Engine type	CAT C15		CAT C15	
Power	382 KW (512 HP) @ 1800 rpm.		382 KW (512 HP) @ 1800 rpm.	
Rotary				
Installed torque	kNm	330	lbf ft	243395
Working speed	rpm	7 - 24	rpm	7 - 24
Discharge speed	rpm	60 - 90	rpm	60 - 90
Winches				
Main winch pull force	kN	330	lbf	74187
Main winch speed	m/min	50	ft/min	164
Main winch Cable diameter	mm	32	in	1,26
Auxiliary winch pull force	kN	140	lbf	31473
Auxiliary winch Speed	m/min	80	ft/min	262
Auxiliary winch Cable diameter	mm	22	in	/
Crowd system				
Kelly crowd push	kN	350	lbf	78683
Kelly crowd pull	kN	390	lbf	87675
Stroke	mm	6536	in	257
Mast				
Mast raking forward	5°		5°	
Mast side raking	±5°		±5°	
Mast raking backwards	15°		15°	
Pile max. diameter	mm	3000	in	118
Kelly bar				
Standard	4/60		4/60	
Options available	3/35 - 4/50 - 4/76 5/64 - 5/90		3/35 - 4/50 - 4/76 5/64 - 5/90	
Operating Weight w/standard kelly bar	t (metric)	117,5	lbs	259043

All technical data are indicatives and subject to change without notice.

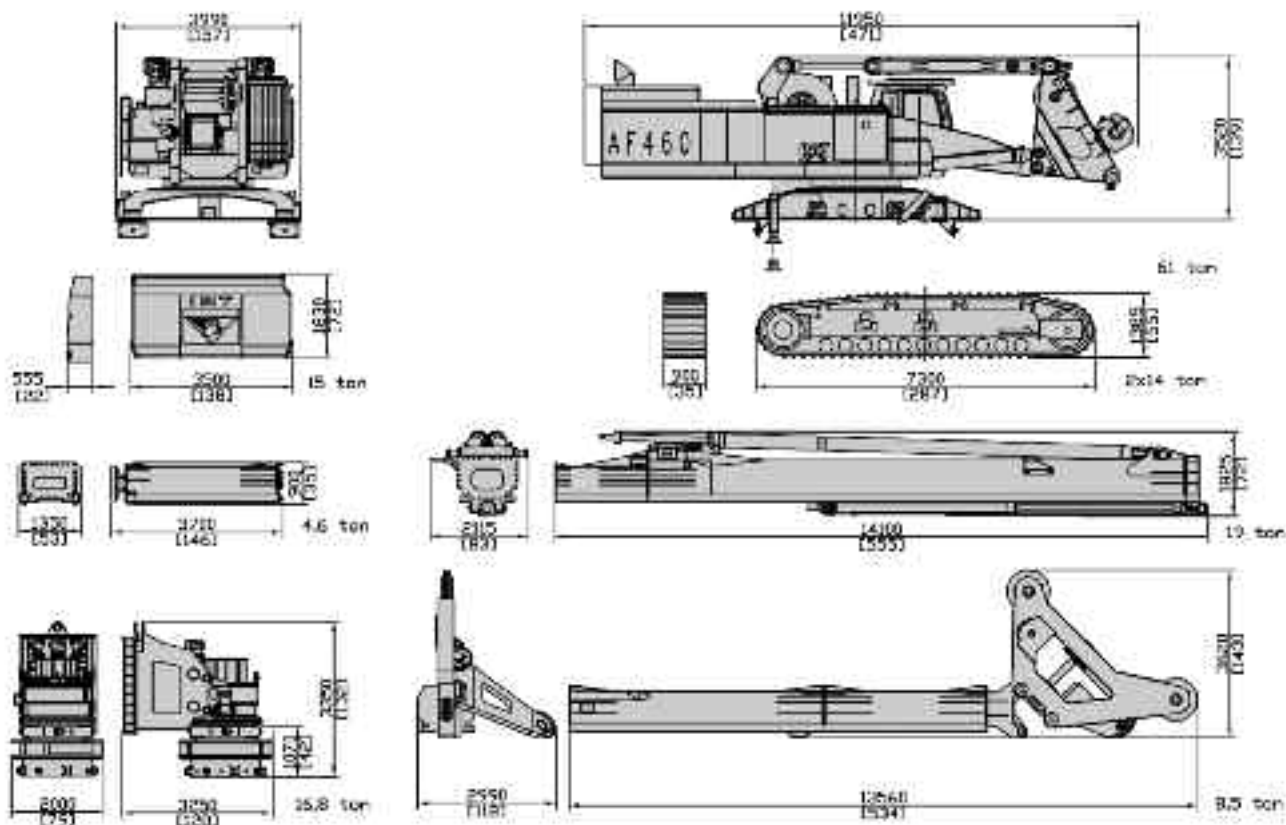


AF 460 Kelly bar

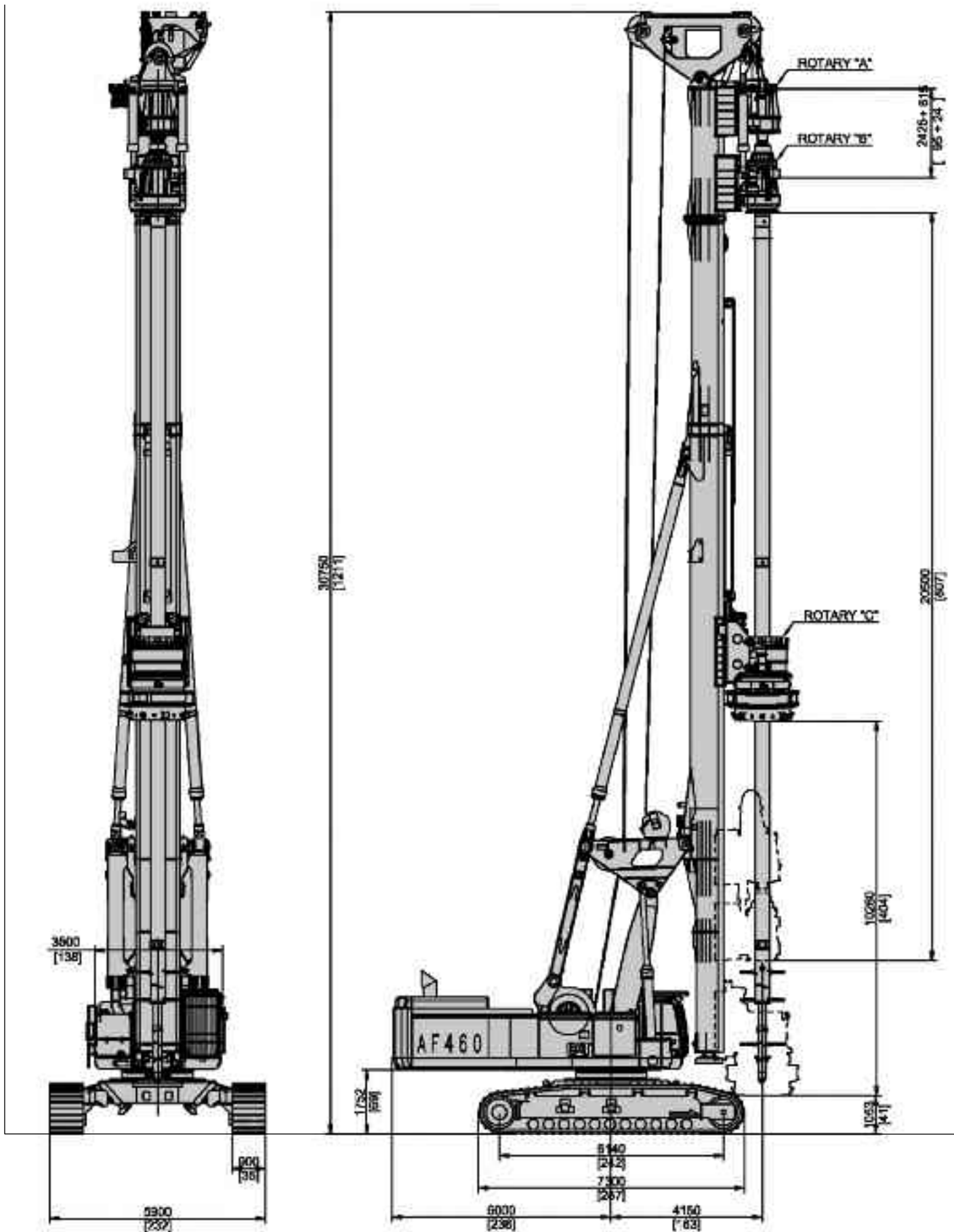


Base	CAT 385 C		CAT 385 C	
Undercarriage length / widening range / shoe	mm	7300/5900/900	in	287/232/35
Engine type	CAT C18		CAT C18	
Power	390 KW (530 HP) @ 1800 rpm.		390 KW (530 HP) @ 1800 rpm.	
Rotary				
Installed torque	kNm	460	lbf ft	340000
Working speed	rpm	7 - 16	rpm	7 - 16
Discharge speed	rpm	32 - 75	rpm	32 - 75
Winches				
Main winch pull force	kN	450	lbf	101000
Main winch speed	m/min	54	ft/min	177
Main winch Cable diameter	mm	40	in	1,6
Auxiliary winch pull force	kN	180	lbf	40500
Auxiliary winch Speed	m/min	80	ft/min	262
Auxiliary winch Cable diameter	mm	26	in	1
Crowd system				
Kelly crowd push	kN	620	lbf	140000
Kelly crowd pull	kN	710	lbf	160000
Stroke	mm	10260	in	404
Mast				
Mast raking forward	15°		15°	
Mast side raking	5°		5°	
Mast raking backwards	15°		15°	
Pile max. diameter	mm	4000	in	157
Kelly bar				
Standard	4/74		4/74	
Options available	4/60 - 4/90 - 5/110		4/60 - 4/90 - 5/110	
Operating Weight w/standard kelly bar	t (metric)	165	lbs	363762

All technical data are indicatives and subject to change without notice.

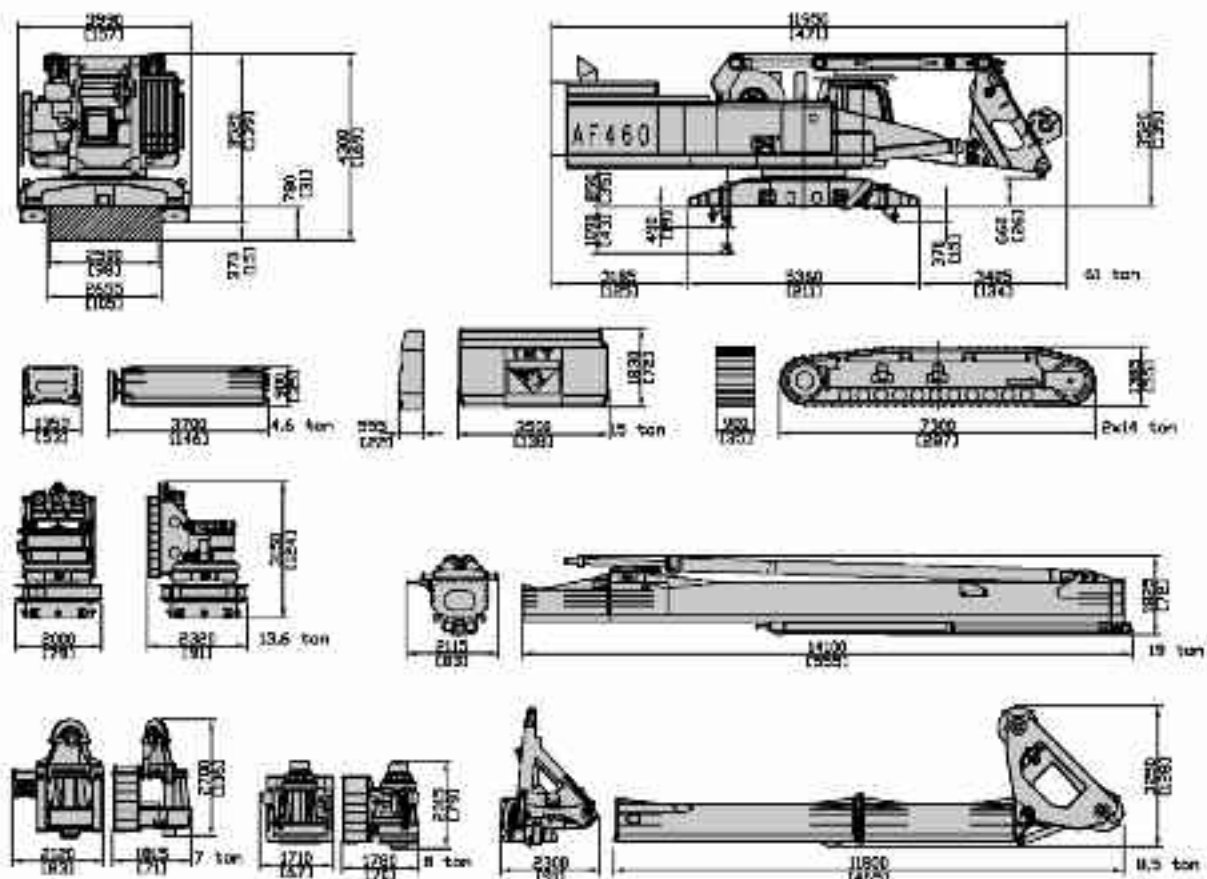


AF 460 Multirotary



Base	CAT 385 C		CAT 385 C	
Undercarriage length / widening range / shoe	mm	7300/5900/900	in	287/232/35
Engine type	CAT C18		CAT C18	
Power	390 KW (530 HP) @ 1800 rpm.		390 KW (530 HP) @ 1800 rpm.	
Rotary clamp “C”				
Installed torque	kNm	460	lbf ft	340000
Working speed	rpm	7 - 16	rpm	7 - 16
Max casing diameter	mm	2200	in	86
Max. clamping force	kN	800	lbf	180000
Max. diameter steel pipe	mm	965	in	38
Min. diameter steel pipe	mm	483	in	19
Rotary “C” crowd system				
Push	kN	710	lbf	160000
Pull	kN	620	lbf	140000
Stroke 3 crowd cylinders	mm	10260	in	34
Rotary “A”				
Max torque	kNm	210	lbf ft	155000
Working speed	rpm	8 - 26	rpm	8 - 26
Rotary “B”				
Max torque	kNm	150	lbf ft	111000
Working speed	rpm	20 - 50	rpm	20 - 50
Rotary “A” - “B” crowd system				
Pull	kN	850	lbf	191000
Stroke	mm	20500	ft	67
Auxiliary winch pull	kN	180	lbf	40465
Approx. weight	ton	170	lbs	374786

All technical data are indicatives and subject to change without notice.



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