

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.

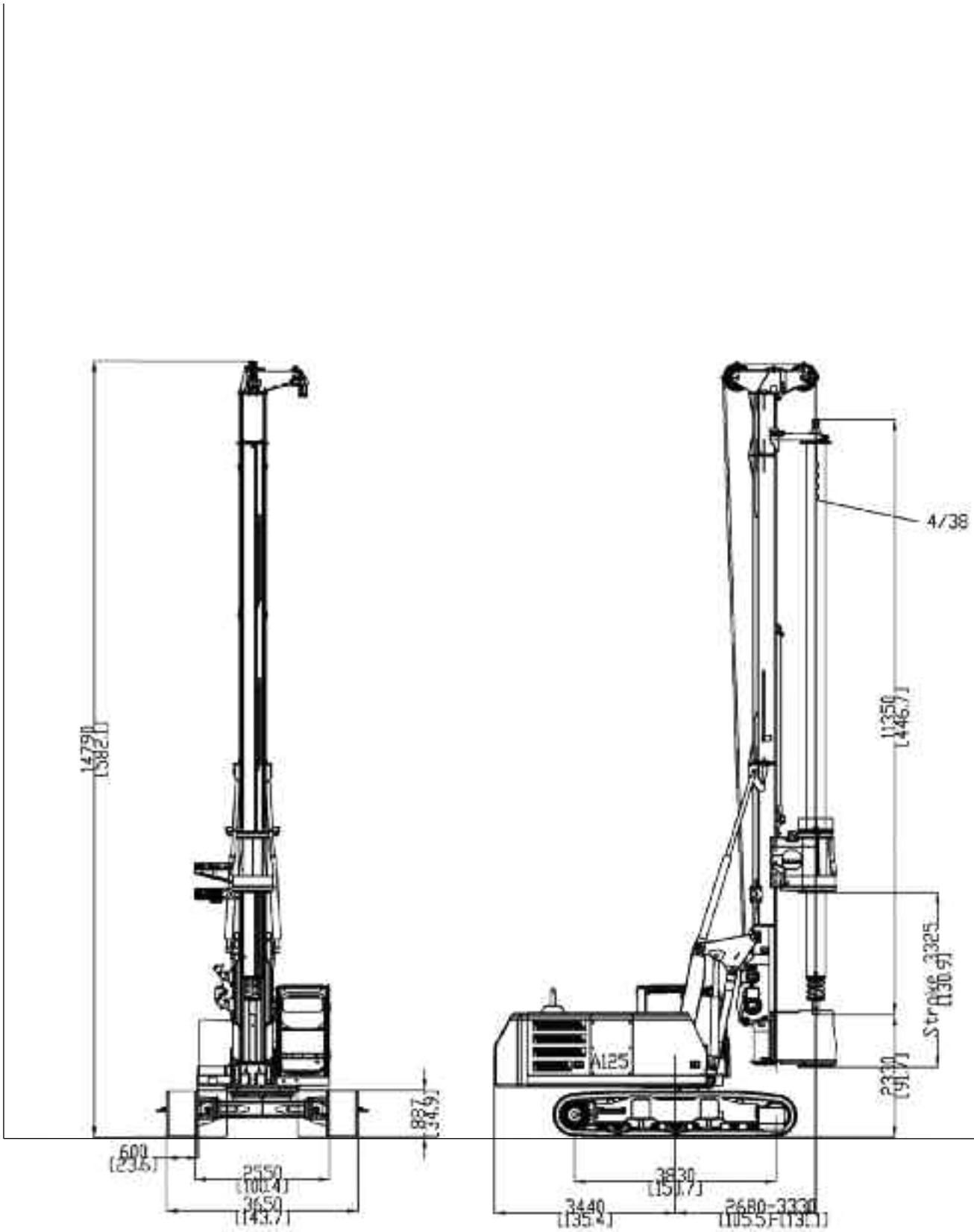
IMT International S.p.A., like very few other companies in the field, has a global commercial and assistance network, present in over 30 countries in the world. From anywhere in the world, IMT customers know they can always count on fast and efficient 24-hours service, which ensures that all inquiries 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

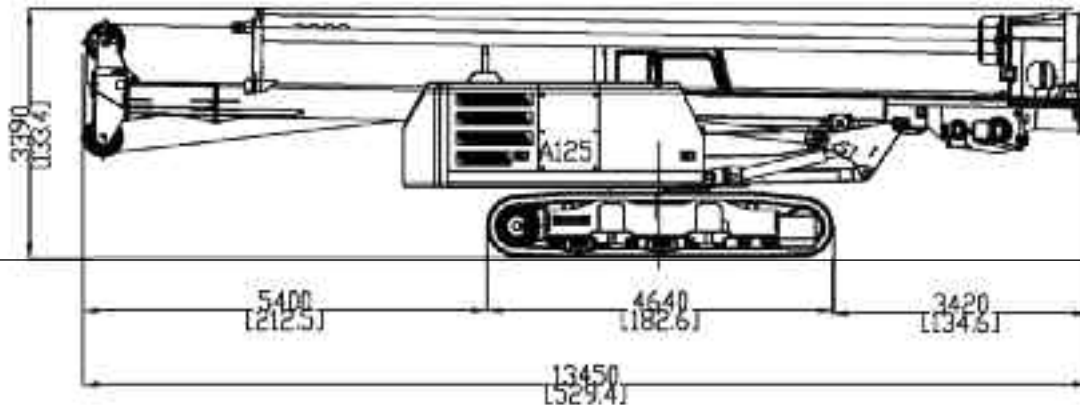
 A 125 (Tier 3/Tier 4)	2
 A 150 (Tier 3/Tier 4)	4
 AF 190E	6
 AF 250E	8
 AF 270E	10
 AF 300E	12
 AF 350	14

A 125

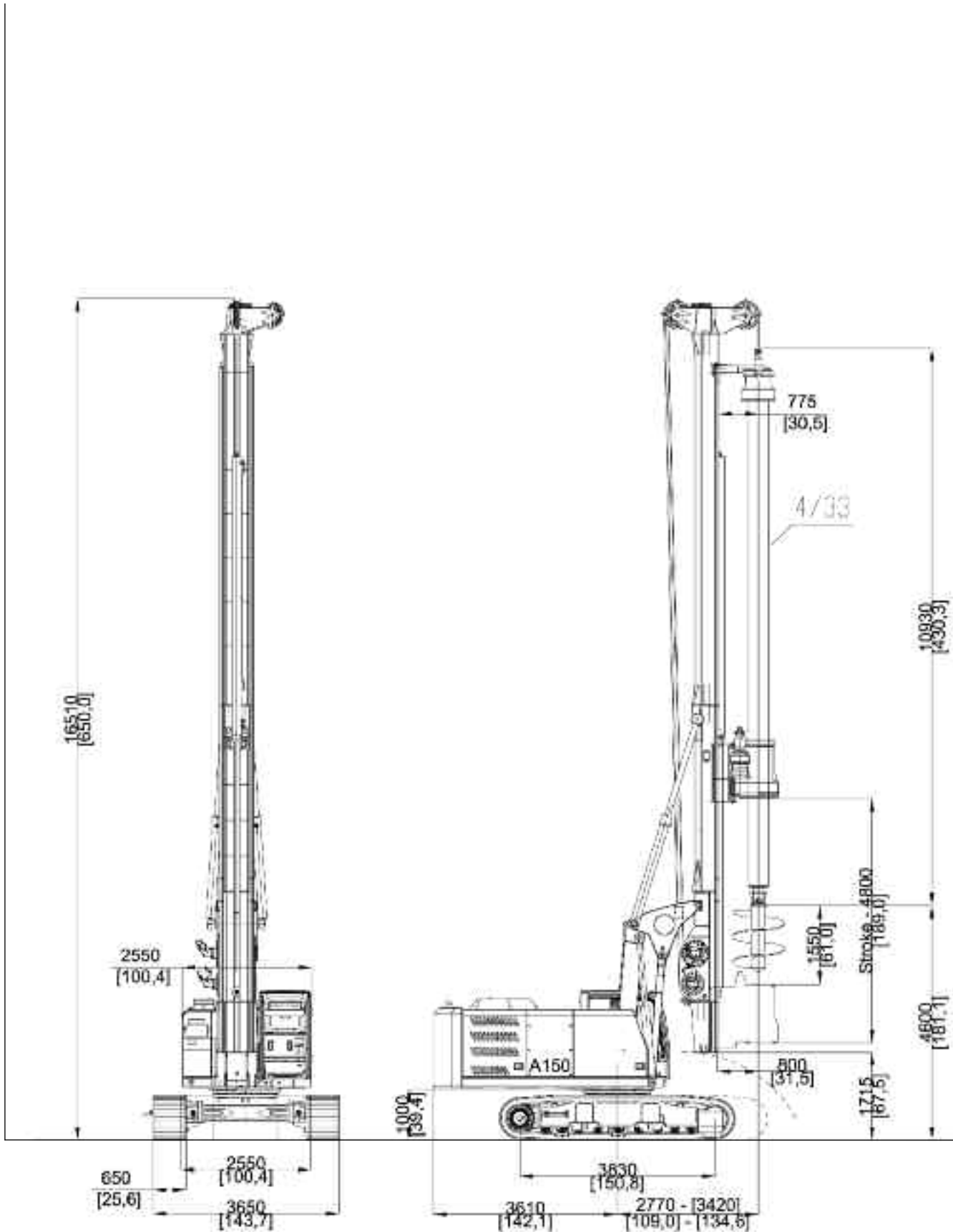


Base	IMT		IMT	
Undercarriage length / widening range / shoe	mm	CAT 4640/2550 - 3650/600	in	183/100 - 144/23,6
Engine type	Tier 4	Tier 3	Tier 4	Tier 3
Power	CAT C 6.6 Acert 120KW (163 HP) @1800 rpm	CAT C 6.4 Acert 117KW (157 HP) @1800 rpm	CAT C 6.6 Acert 120KW (163 HP) @1800 rpm	CAT C 6.4 Acert 117KW (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)	35,5	lbs	78264

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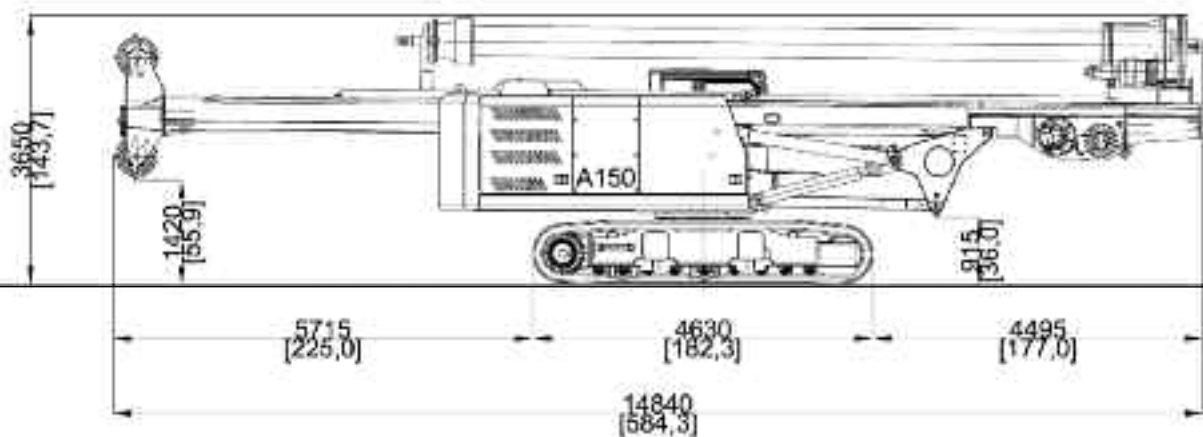


A 150

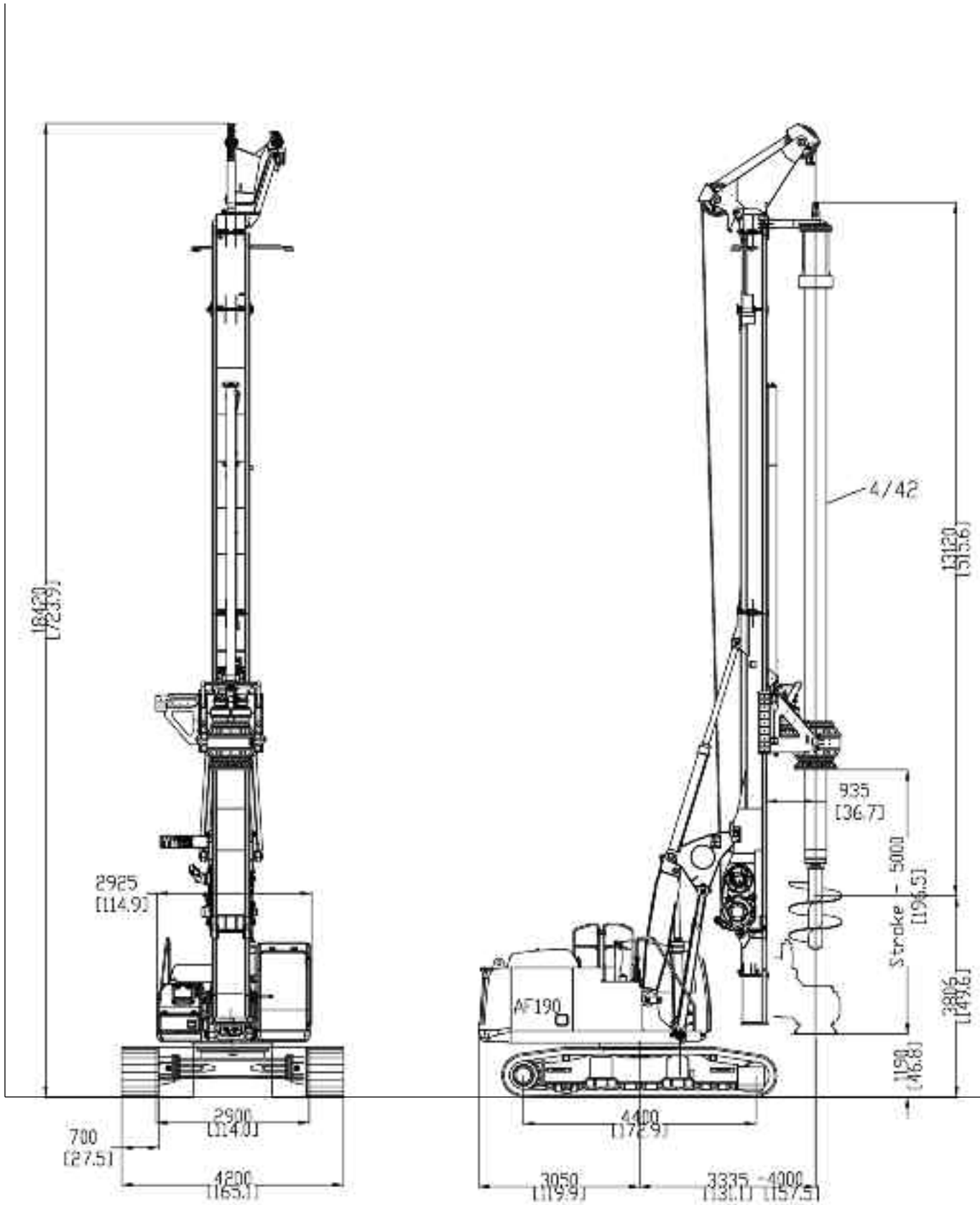


Base	IMT		IMT	
Undercarriage length / widening range / shoe	mm	CAT 4630/2550 - 3650/650	in	182/100 144/25,5
Engine type	CAT C 7	CAT C 7	CAT C 7	CAT C 7
Power	161KW (216 HP) @1800 rpm	161KW (216 HP) @1800 rpm	161KW (216 HP) @1800 rpm	161KW (216 HP) @1800 rpm
Rotary				
Installed torque	kNm	160	lbf ft	118010
Working speed	rpm	8-28	rpm	8-28
Discharge speed	rpm	40 - 110	rpm	40-110
Winches				
Main winch pull force	kN	155	lbf	34850
Main winch speed	m/min	80	ft/min	262
Main winch Cable diameter	mm	24	in	/
Auxiliary winch pull force	kN	75	lbf	16865
Auxiliary winch Speed	m/min	75	ft/min	246
Auxiliary winch Cable diameter	mm	18	in	/
Crowd system				
Kelly crowd push	kN	160	lbf	35970
Kelly crowd pull	kN	200	lbf	44965
Stroke	mm	4800	in	189
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)	39	lbs	85985
Operating Weight w/5/20 kelly bar in LCA configuration	t (metric)	42,4	lbs	93480

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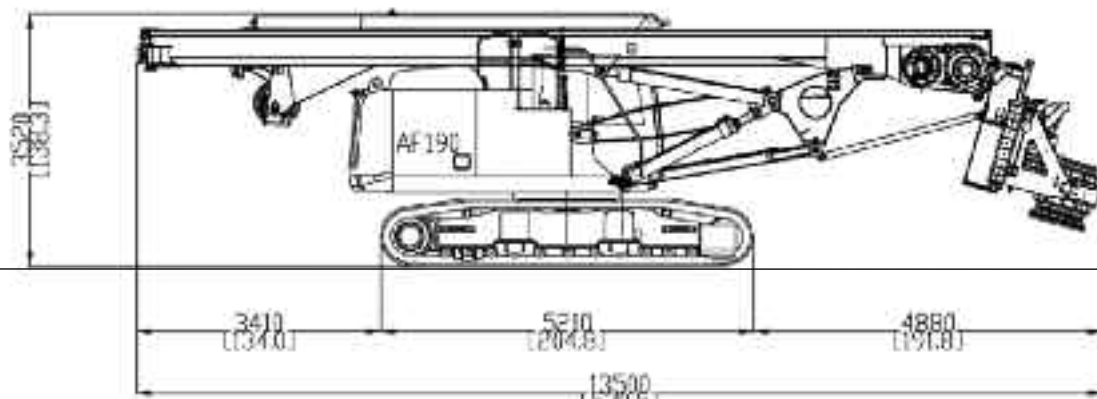


AF 190E

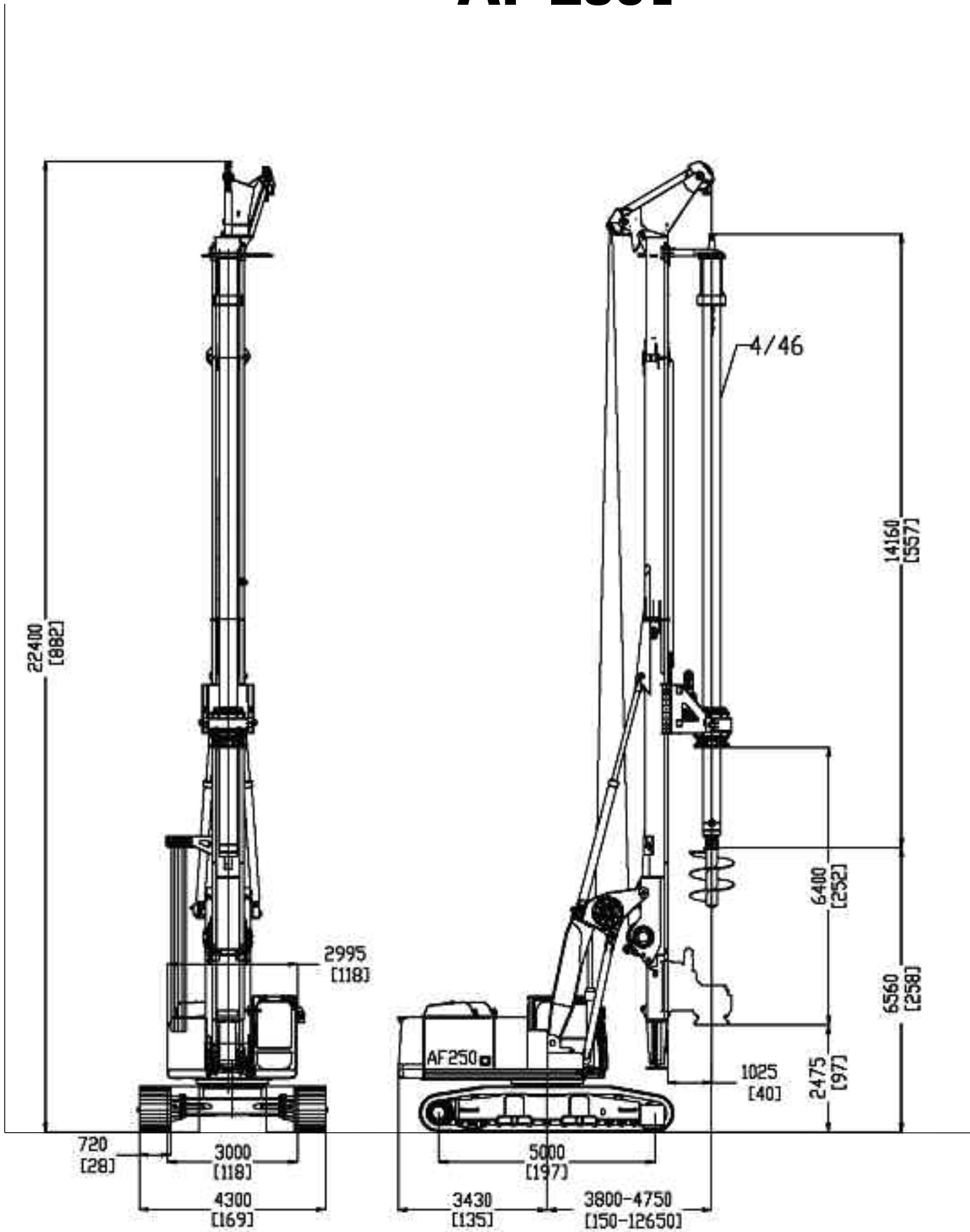


Base	Caterpillar 329E		Caterpillar 329E	
Undercarriage length / widening range / shoe	mm	CAT 5210/2900 - 4200/700	in	205/114 - 165,3/27,5
Engine type	CAT C 7.1		CAT C 7.1	
Power	181 KW (245 HP) @ 1800 rpm		181 KW (245 HP) @1800 rpm	
Rotary				
Installed torque	kNm	205	lbf ft	151205
Working speed	7 - 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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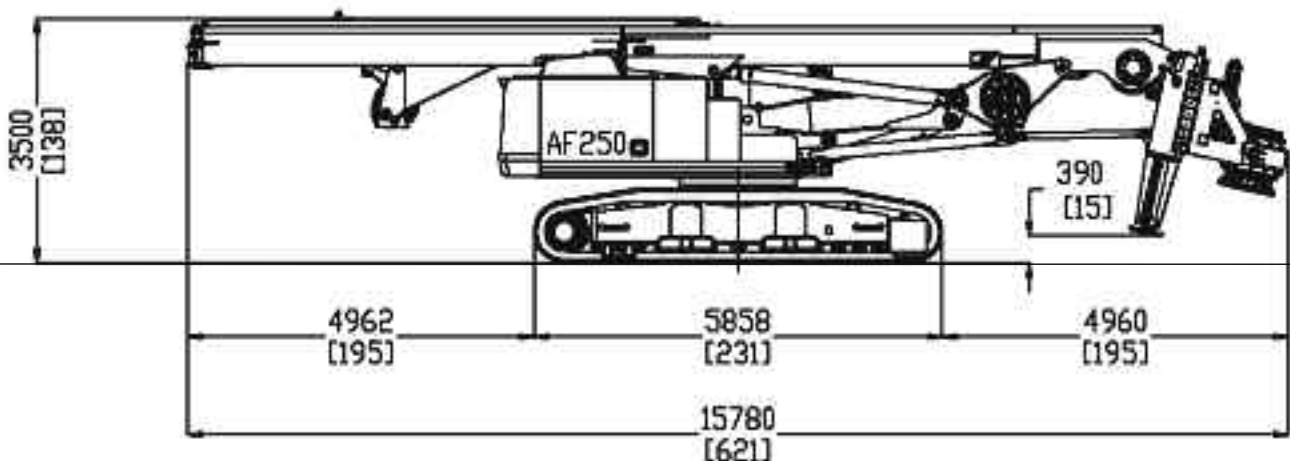


AF 250E

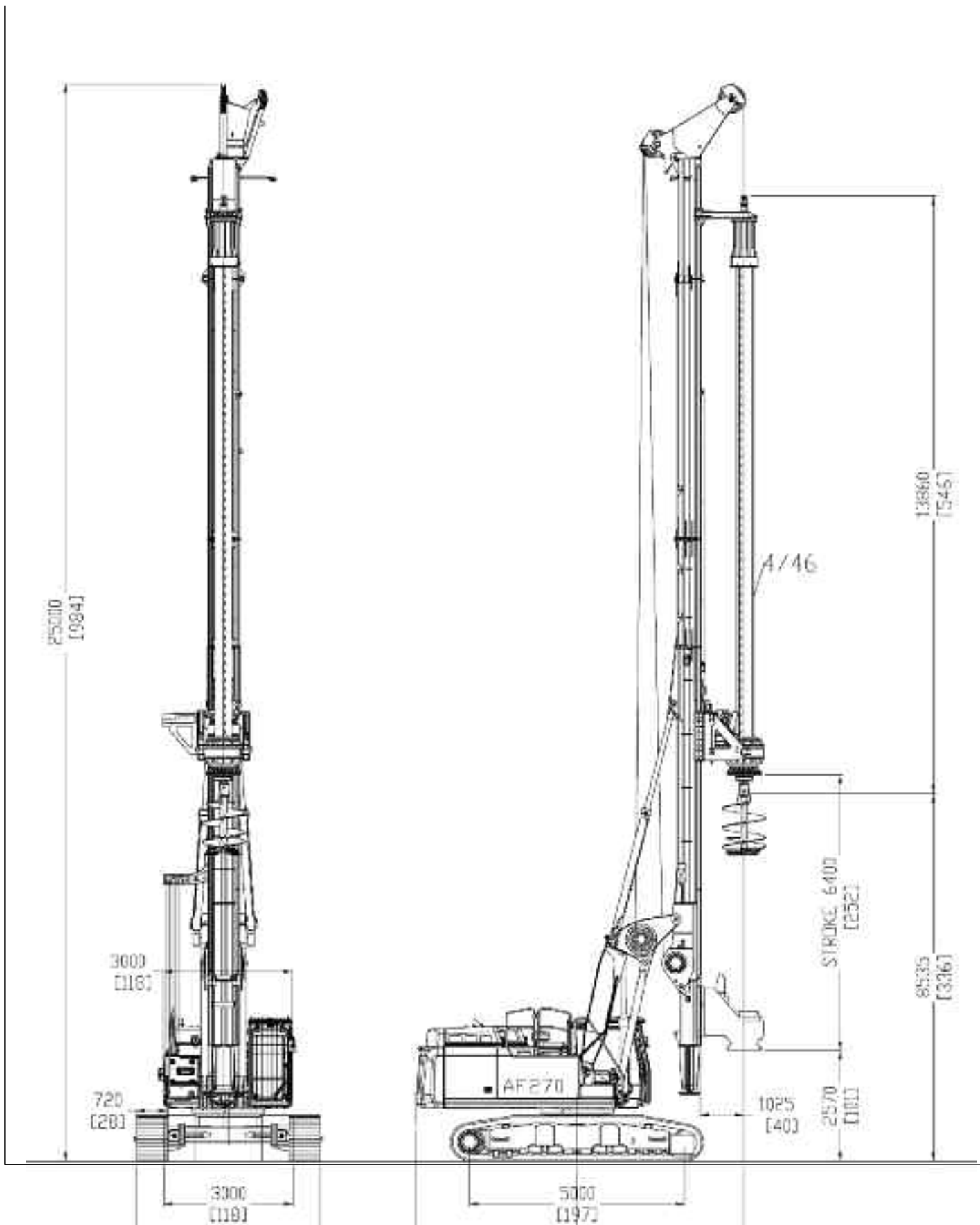


Base	Caterpillar 336E		Caterpillar 336E	
Undercarriage length / widening range / shoe	mm	CAT 5860/3000 - 4270/720	in	231/118 - 169/28,5
Engine type	CAT C 9.3		CAT C 9.3	
Power	241 KW (323 HP) @ 1800 rpm.		241 KW (323 HP) @1800 rpm.	
Rotary				
Installed torque	kNm	260	lbf ft	191770
Working speed	rpm	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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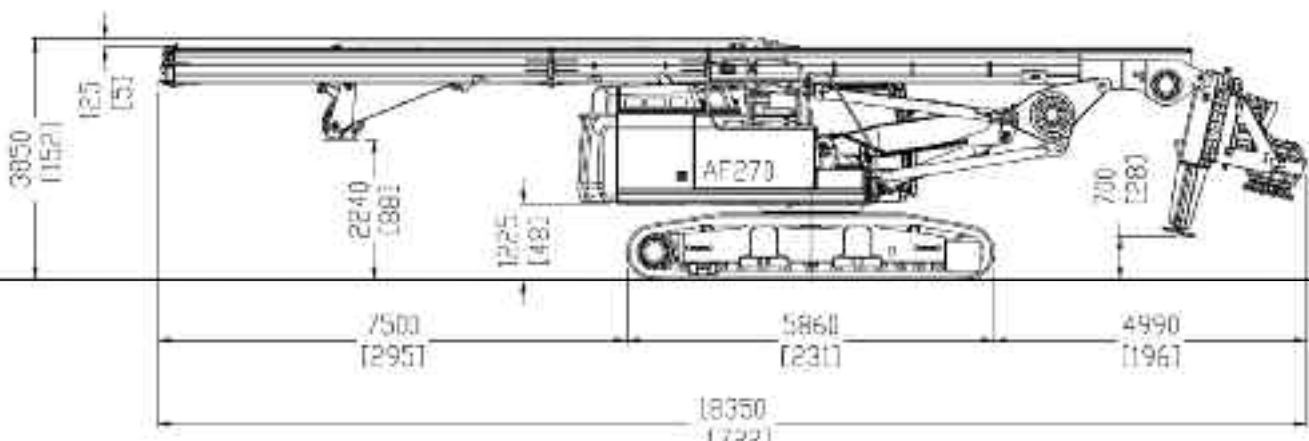
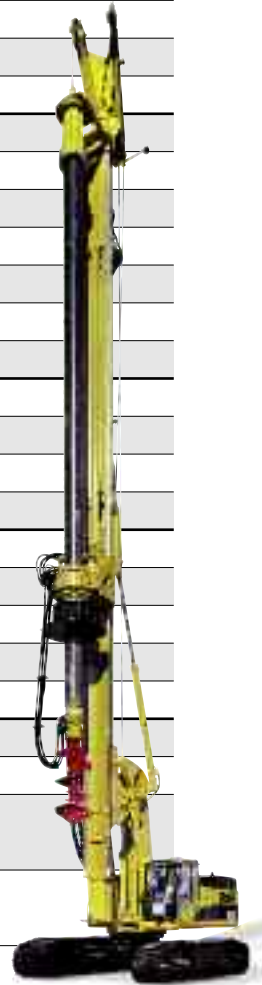


AF 270E

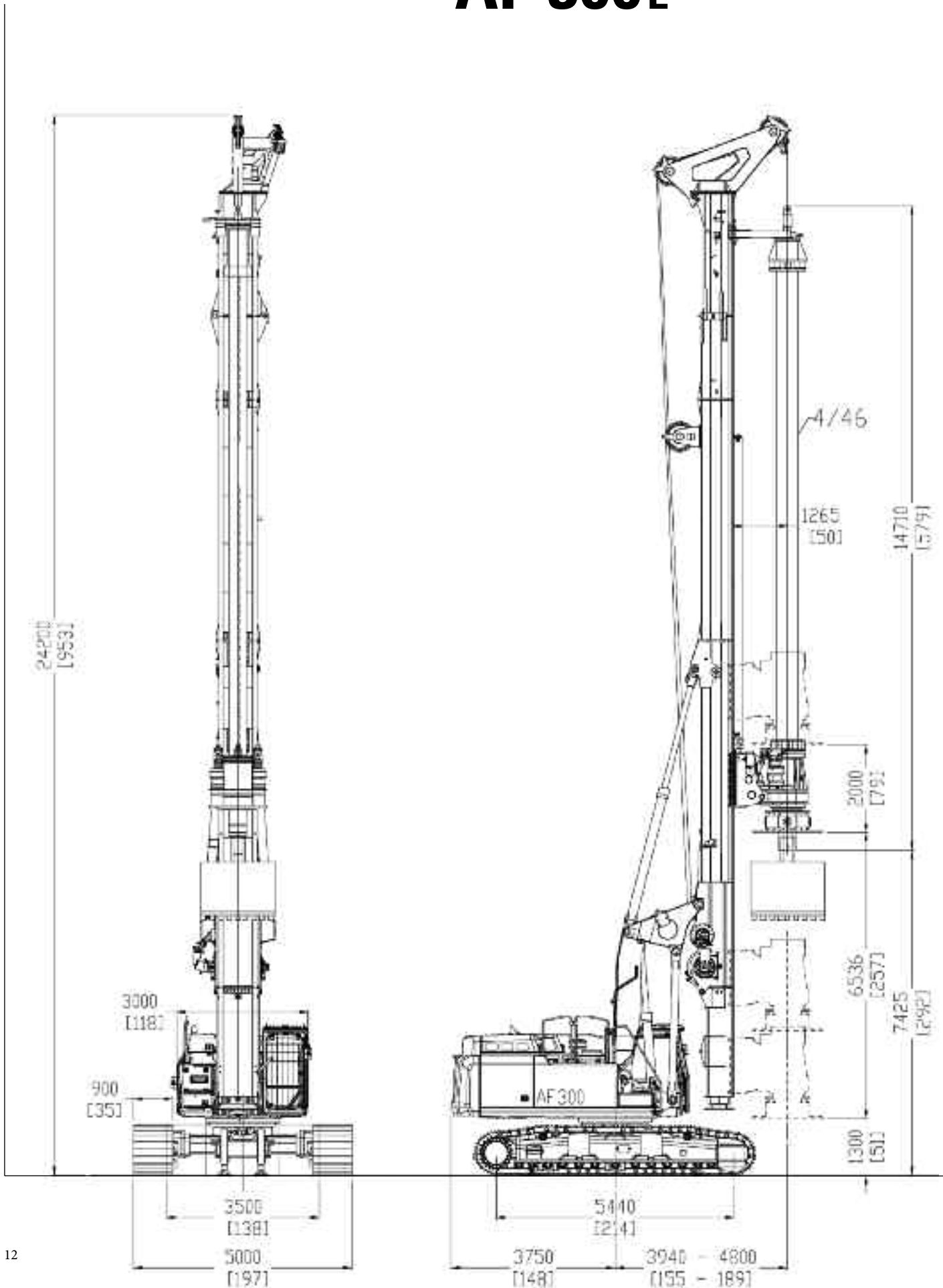


Base	CAT 349 E		CAT 349 E	
Undercarriage length / widening range / shoe	mm	5860/3000 - 4400/800	in	230,7/118 - 168/28,3
Engine type	CAT C13 Acert Tier4		CAT C13 Acert Tier4	
Power	322 Kw (432hp) @ 1800 rpm.		322 Kw (432hp) @1800 rpm.	
Rotary				
Installed torque	kNm	275	lbf ft	202830
Working speed	rpm	8 - 30	rpm	8 - 30
Discharge speed	rpm	48 - 115	rpm	48 - 115
Winches				
Main winch pull force	kN	250	lbf	56205
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)	80	lbs	176368

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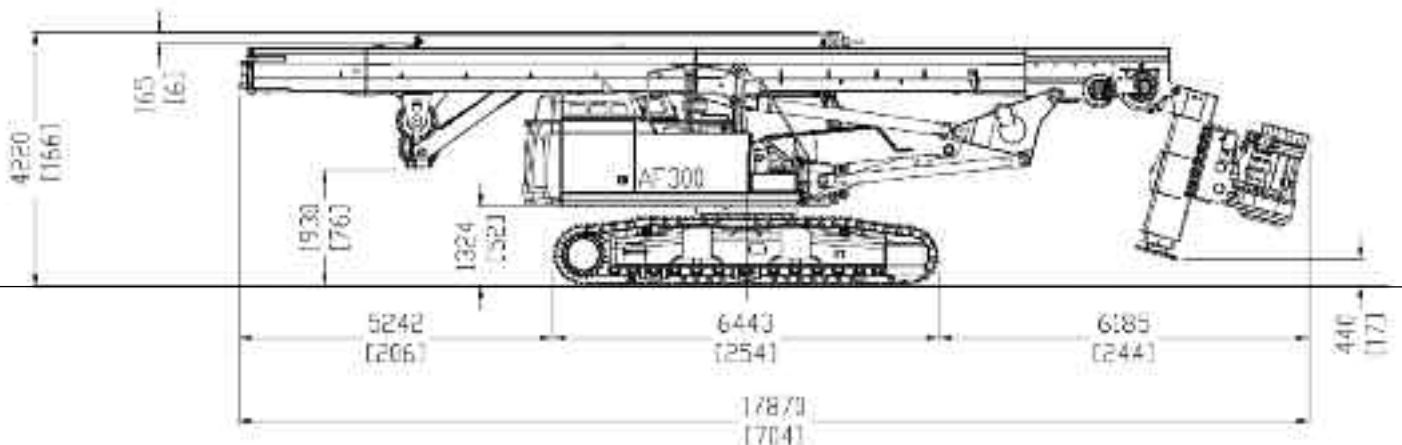
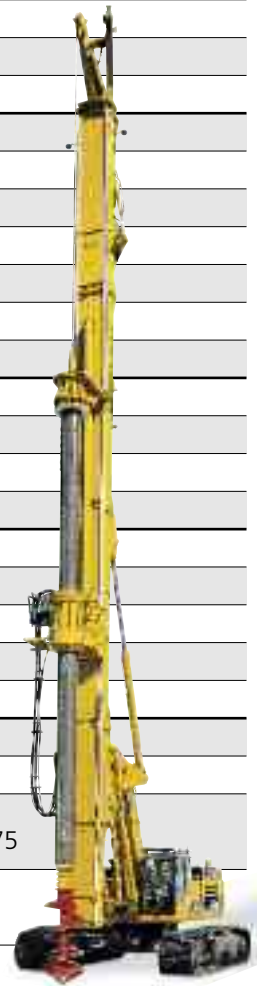


AF 300E

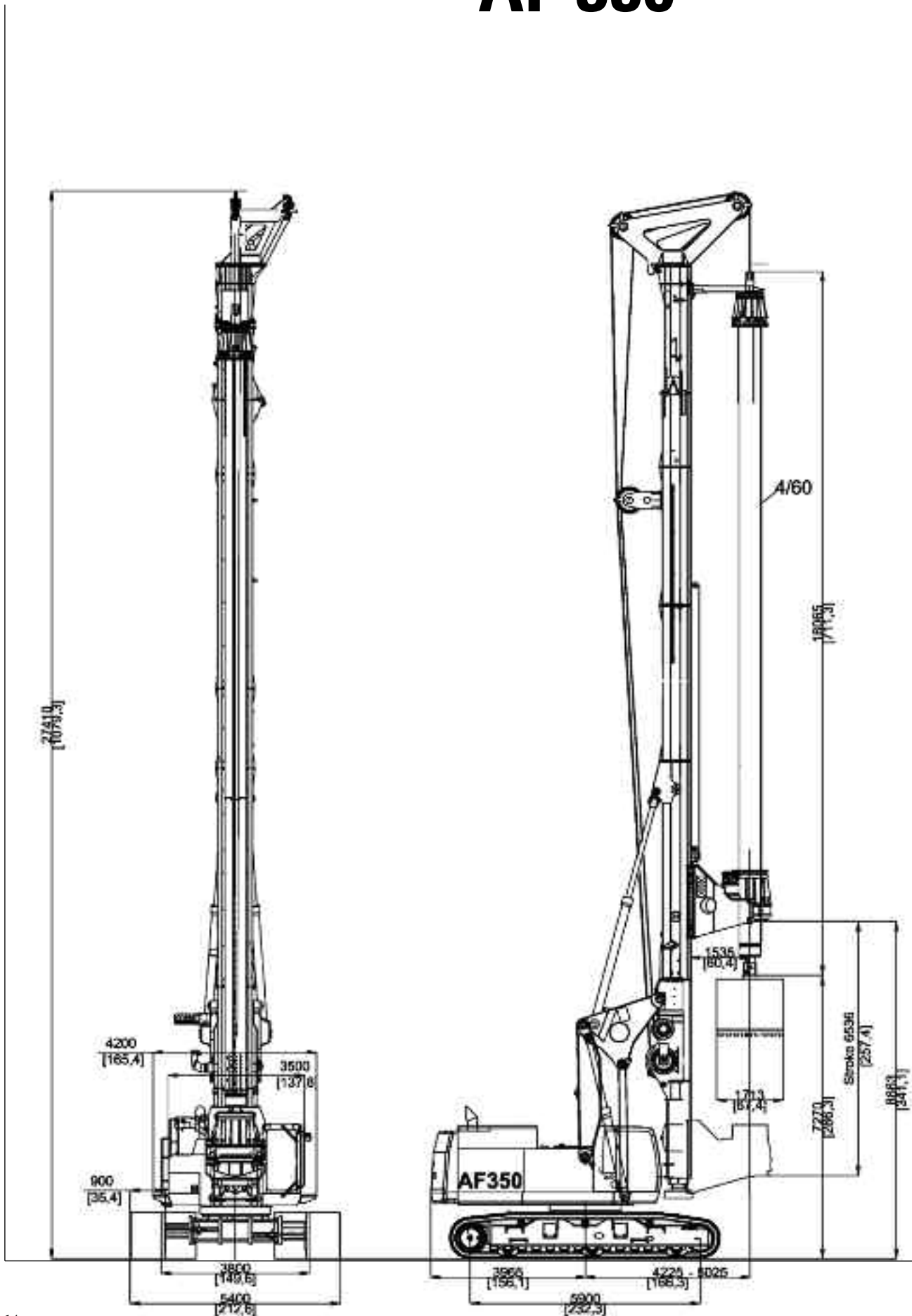


Base		CAT 349 E		CAT 349 E
Undercarriage length / widening range / shoe	mm	CAT 6440/3500 - 5000/900	in	253/137 - 197/35,4
Engine type		CAT C13 Acert Tier4		CAT C13 Acert Tier4
Power		322 KW (432 HP) @ 1800 rpm.		322 KW (432 HP) @1800 rpm.
Rotary				
Installed torque	kNm	310	lbf ft	228645
Working speed	rpm	6,5 - 28	rpm	6,5 - 28
Discharge speed	rpm	45 - 110	rpm	45 - 110
Winches				
Main winch pull force	kN	300	lbf	67445
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		±5°		±5°
Mast raking backwards		15°		15°
Pile max. diameter	mm	2500	in	99
Kelly bar				
Standard		4/46		4/46
Options available		3/35 - 4/50 - 5/50 - 5/64 - 6/75		3/35 - 4/50 - 5/50 - 5/64 - 6/75
Operating Weight w/standard kelly bar	t(metric)	99,5	lbs	219360

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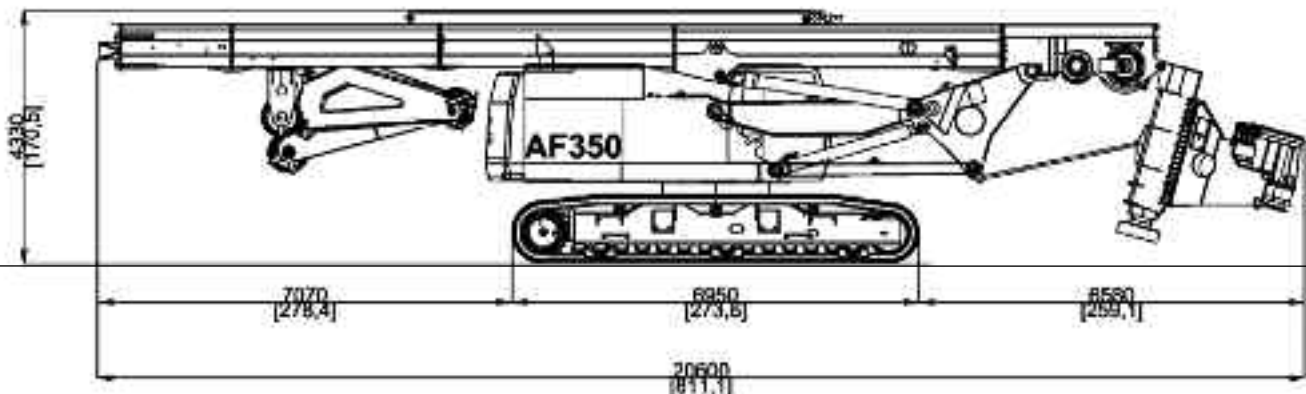


AF 350



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

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WORLDWIDE SALES AND ASSISTANCE NETWORK



IMT dealers, a global network at your service

IMT, like very few other companies in the field, has a global commercial and assistance network which is present in over 30 countries. From any part of the world, IMT clients know that they can always count on fast and efficient service.





I.M.T. INTERNATIONAL S.p.A.
Industria Meccanica Trivelle
via D'Ancona, 39
60027 Osimo (AN) Italy
Tel. +39 071 723 341
Fax +39 0717 133 352
imt@imtspa.com
www.imtspa.com



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