

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.

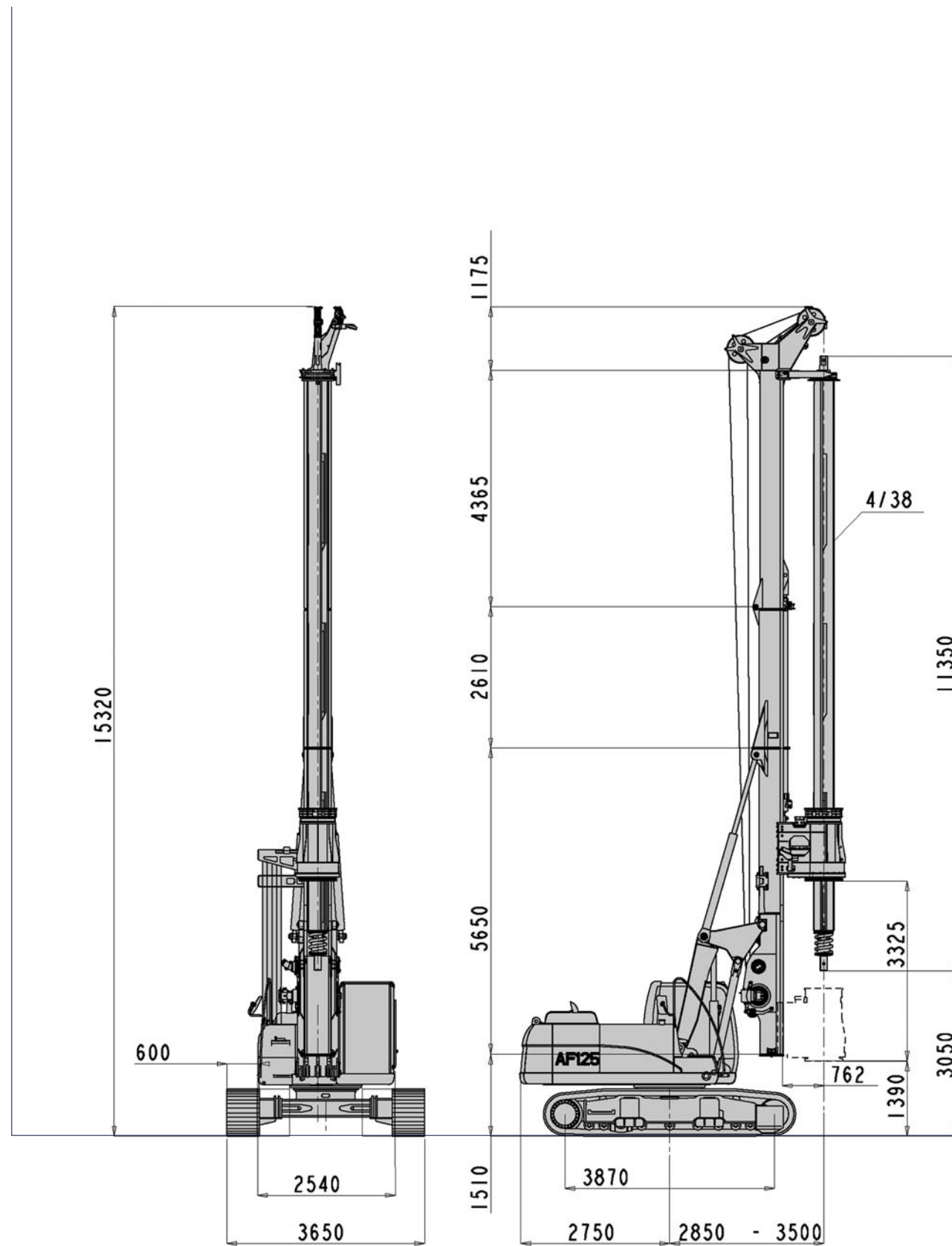
IMT International S.p.A., like very few other companies in the field, has a global commercial and assistance network, present in over 30 countries in the world. From anywhere in the world, IMT customers know they can always count on fast and efficient 24-hours service, which ensures that all inquiries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

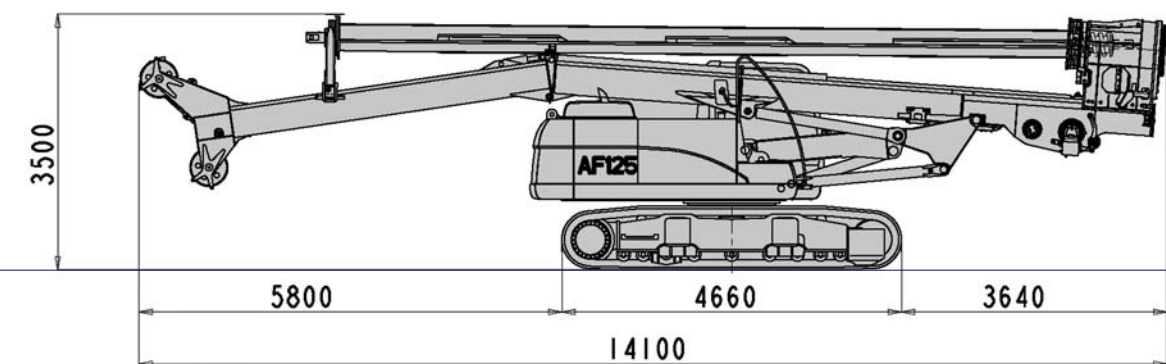
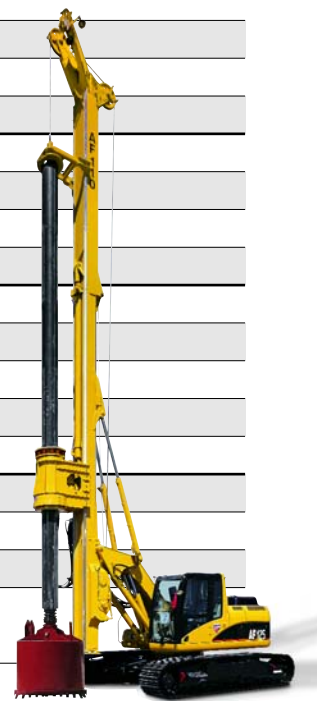
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| AF 180d | 8 |
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| AF 300 | |

AF 125

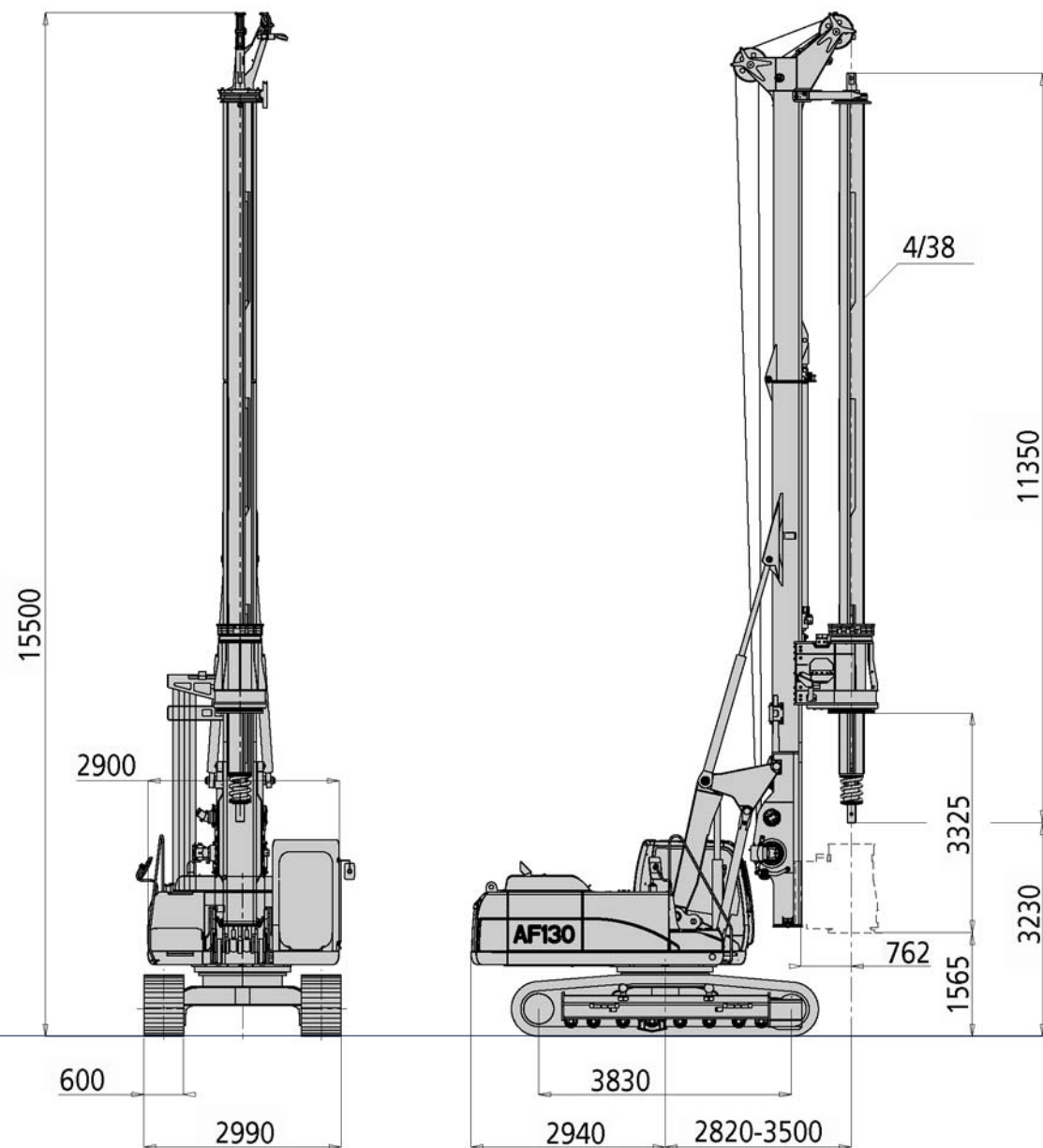


| | | | | |
|--|------------|--------------------------|--------|---------------------|
| Base | | Caterpillar 323 D | | Caterpillar 318 CII |
| Undercarriage length / widening range / shoe | mm | CAT 4660/2550 - 3650/600 | in | 183/100 - 144/23,6 |
| Engine type | | CAT 3066 TIII | | CAT 3066 TIII |
| Power | | 115KW @1800 rpm | | 155 HP @1800 rpm |
| Rotary | | | | |
| Installed torque | kNm | 117 | lbf ft | 86295 |
| Working speed | rpm | 7,5 - 27 | rpm | 7,5 - 27 |
| Discharge speed | rpm | 45 - 120 | rpm | 45 - 120 |
| Winches | | | | |
| Main winch pull force | kN | 120 | lbf | 26980 |
| 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) | 33 | lbs | 72755 |

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

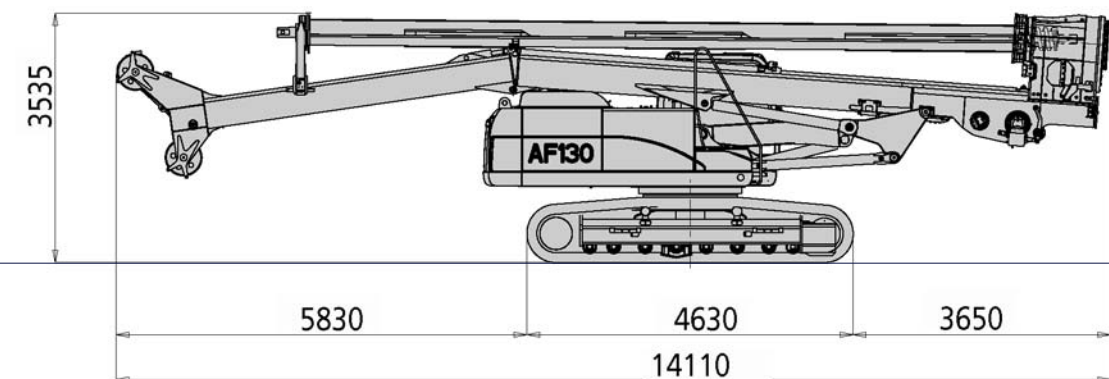


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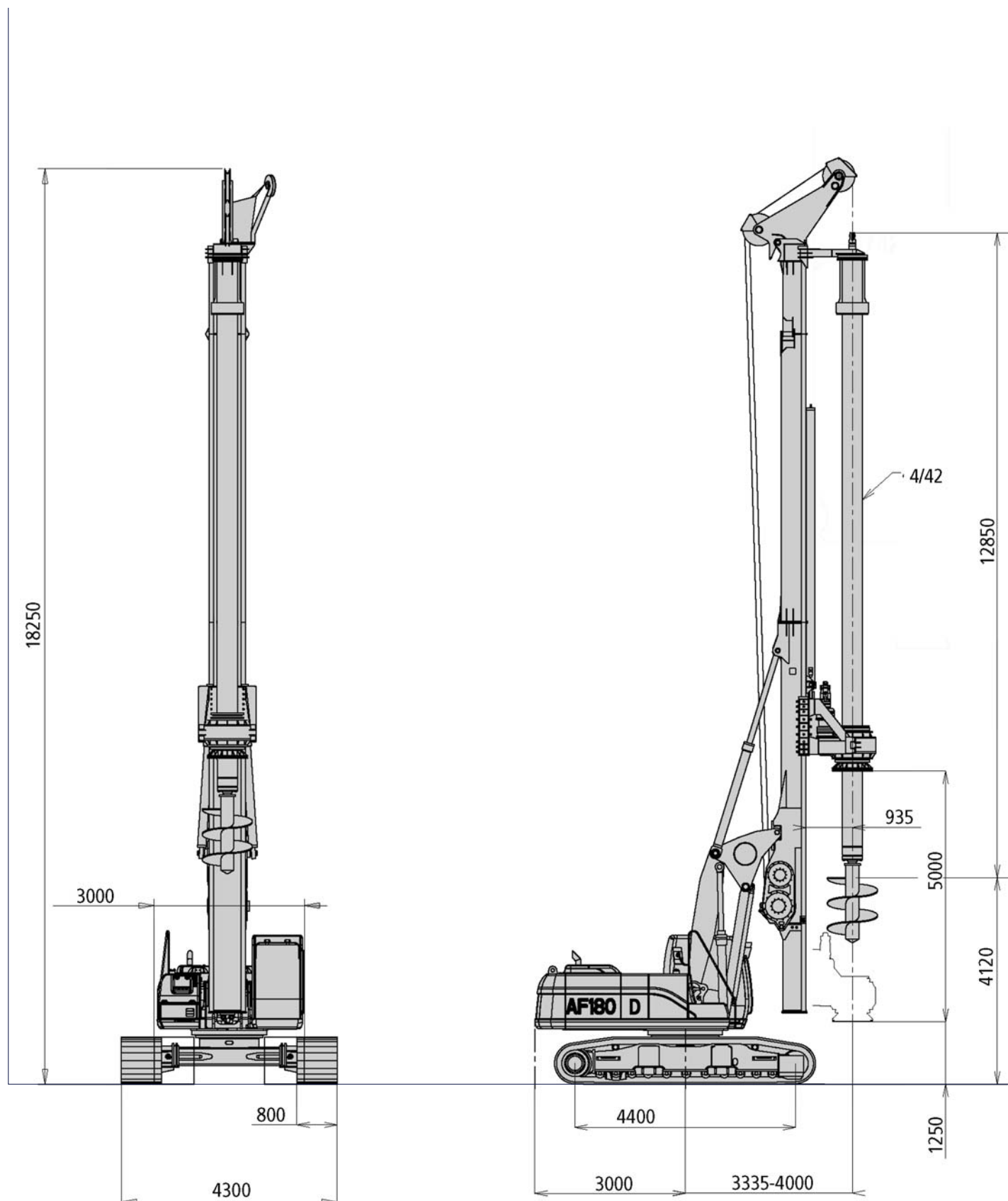


| | | | | |
|---------------------------------------|-------------------|---------------|------------------|--------------|
| Base | CAT 324 DLN | | CAT 324 DLN | |
| Undercarriage length / width / shoe | mm | 4630/2990/600 | in | 182/118/23,6 |
| Engine type | CAT C7 | | | |
| Power | 130 KW @ 1800 rpm | | 174HP @ 1800 rpm | |
| Rotary | | | | |
| Installed torque | kNm | 117 | lbf ft | 86295 |
| Working speed | rpm | 8.3 - 27 | rpm | 8.3 - 27 |
| Discharge speed | rpm | 50 - 120 | rpm | 50 - 120 |
| Winches | | | | |
| Main winch pull force | kN | 120 | lbf | 26980 |
| 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 | 3/28 - 4/38 | | 3/28 - 4/38 | |
| Options available | 4/33 - 5/47 | | 4/33 - 5/47 | |
| Operating Weight w/standard kelly bar | t (metric) | 33 | lbs | 72755 |

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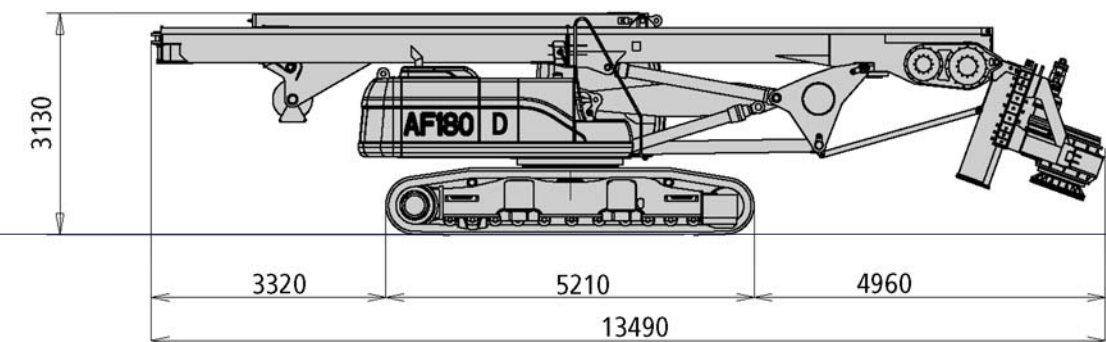
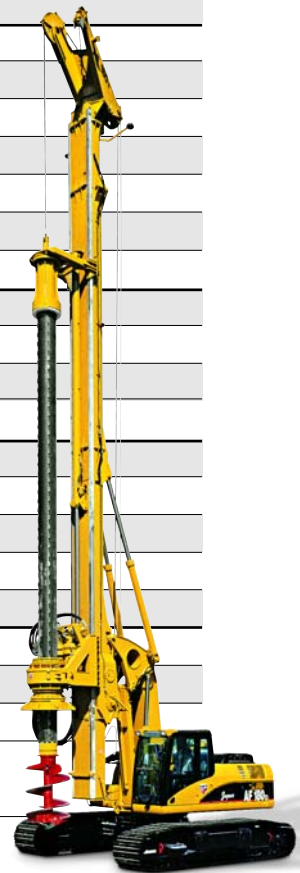


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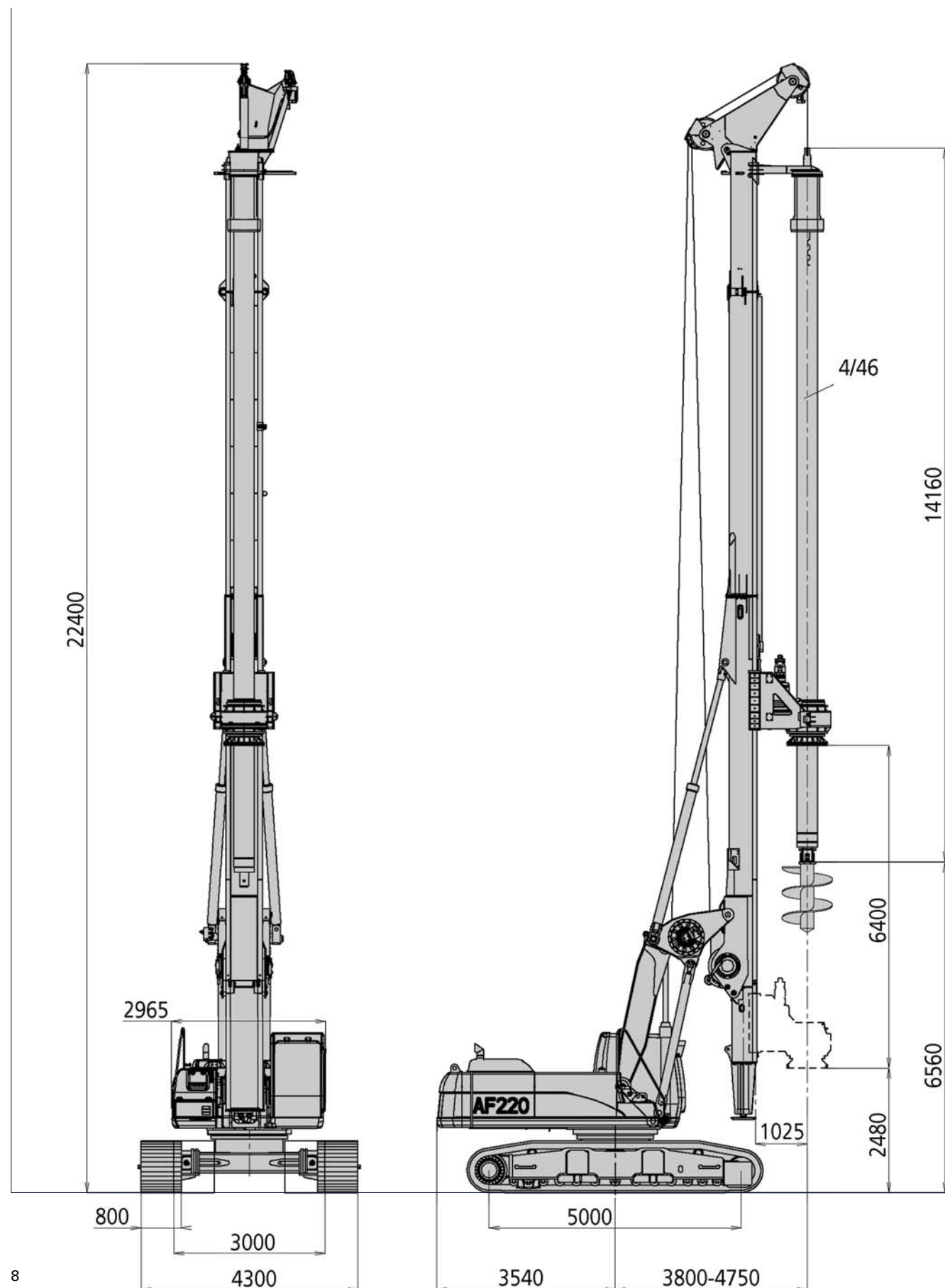


| Base | | Caterpillar 325D HHP | Caterpillar 325D HHP |
|--|------------|----------------------------|---------------------------|
| Undercarriage length / widening range / shoe | mm | CAT 5210/3000 - 4300/800 | in 205/118 - 169/31,5 |
| Engine type | | CAT C 7 | CAT C 7 |
| Power | | 187 KW (250 HP) @ 1800 rpm | 187 KW (250 HP) @1800 rpm |
| Rotary | | | |
| Installed torque | kNm | 205 | lbf ft 151205 |
| Working speed | | 7 - 25 | 7 - 25 |
| 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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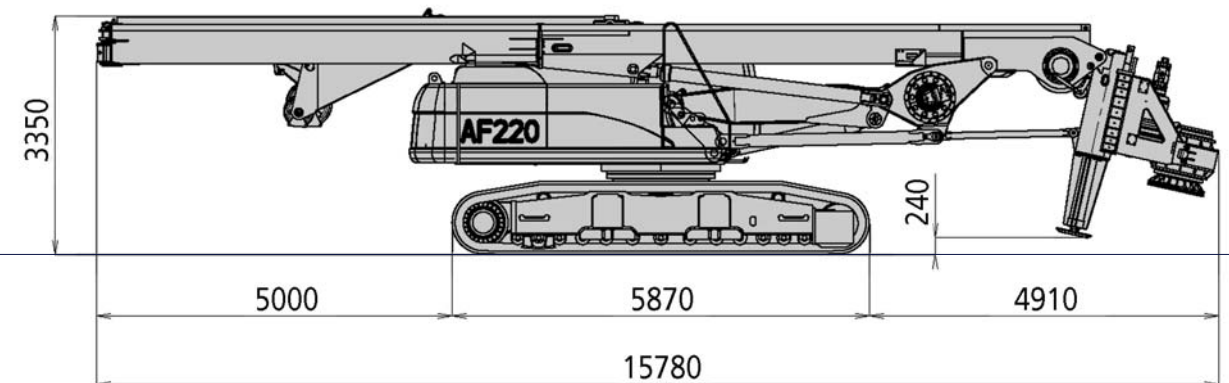
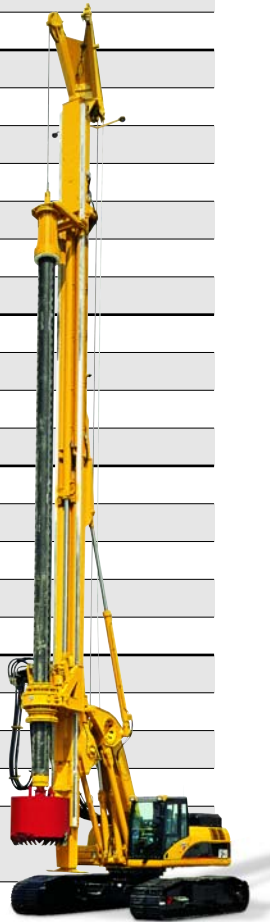


AF 220

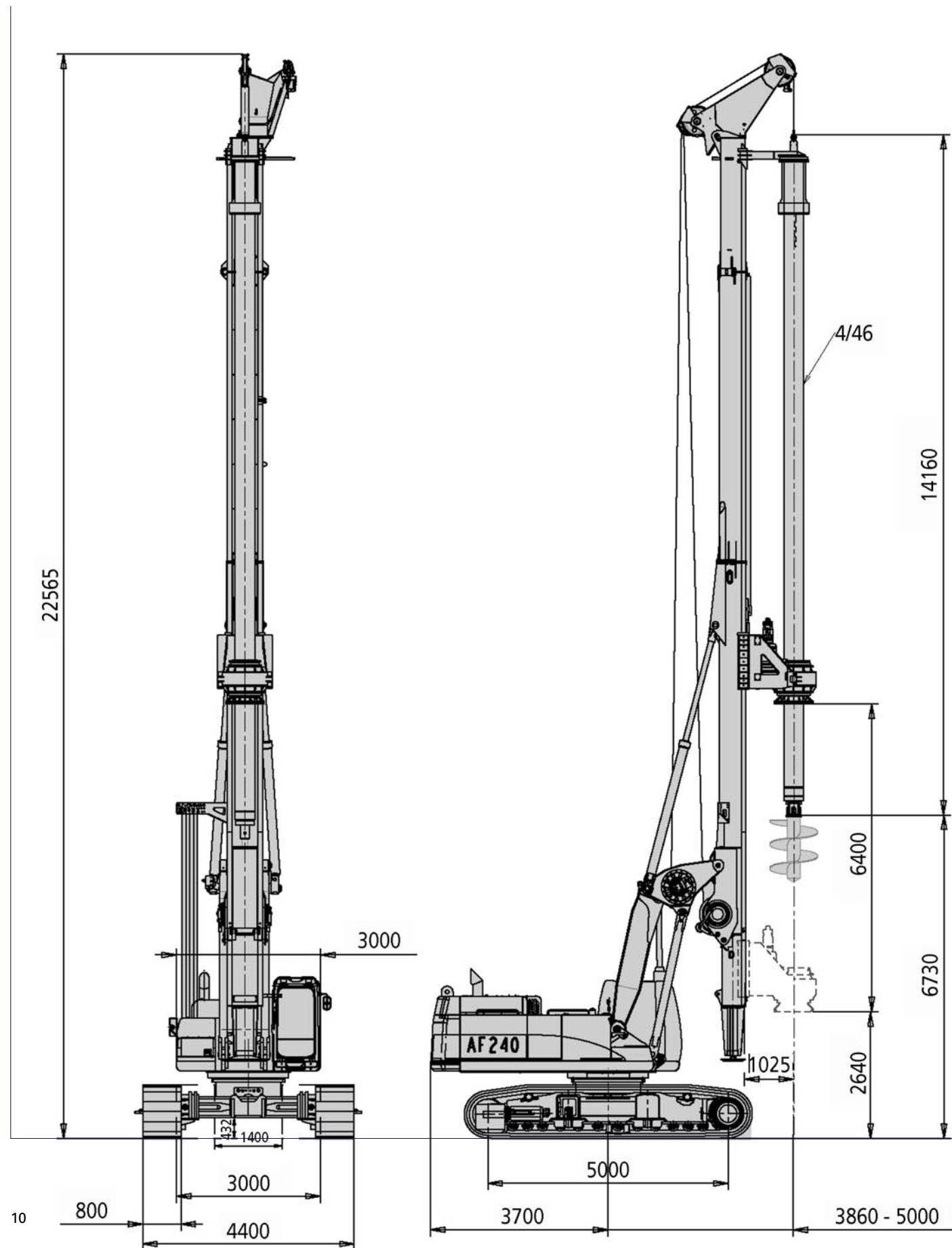


| Base | | Caterpillar 330D HHP | Caterpillar 330D HHP |
|--|-----------|-----------------------------|----------------------------|
| Undercarriage length / widening range / shoe | mm | CAT 5870/3000 - 4300/800 | in 231/118 - 169/31,5 |
| Engine type | | CAT C9 | CAT C9 |
| Power | | 261 KW (350 HP) @ 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 |

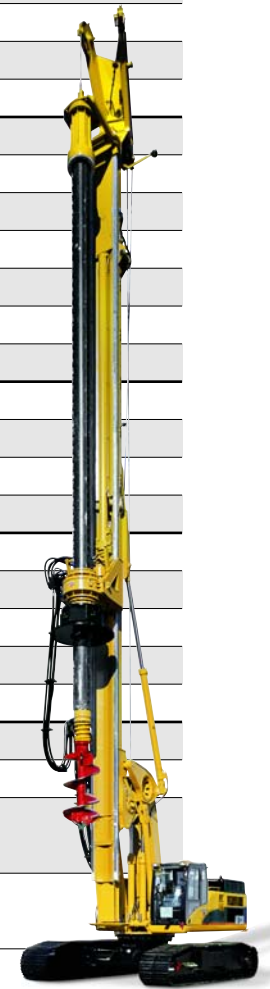
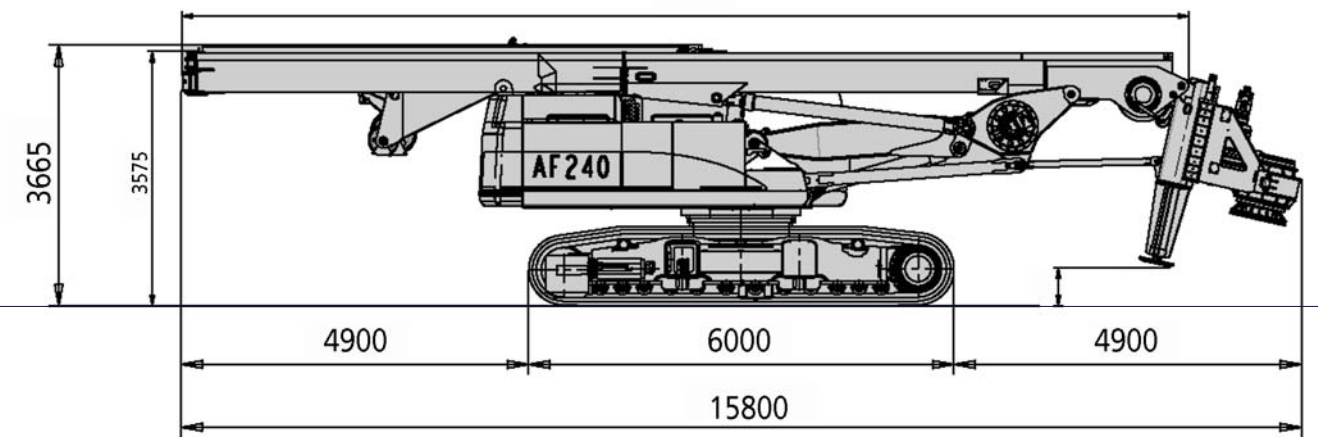
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AF 240



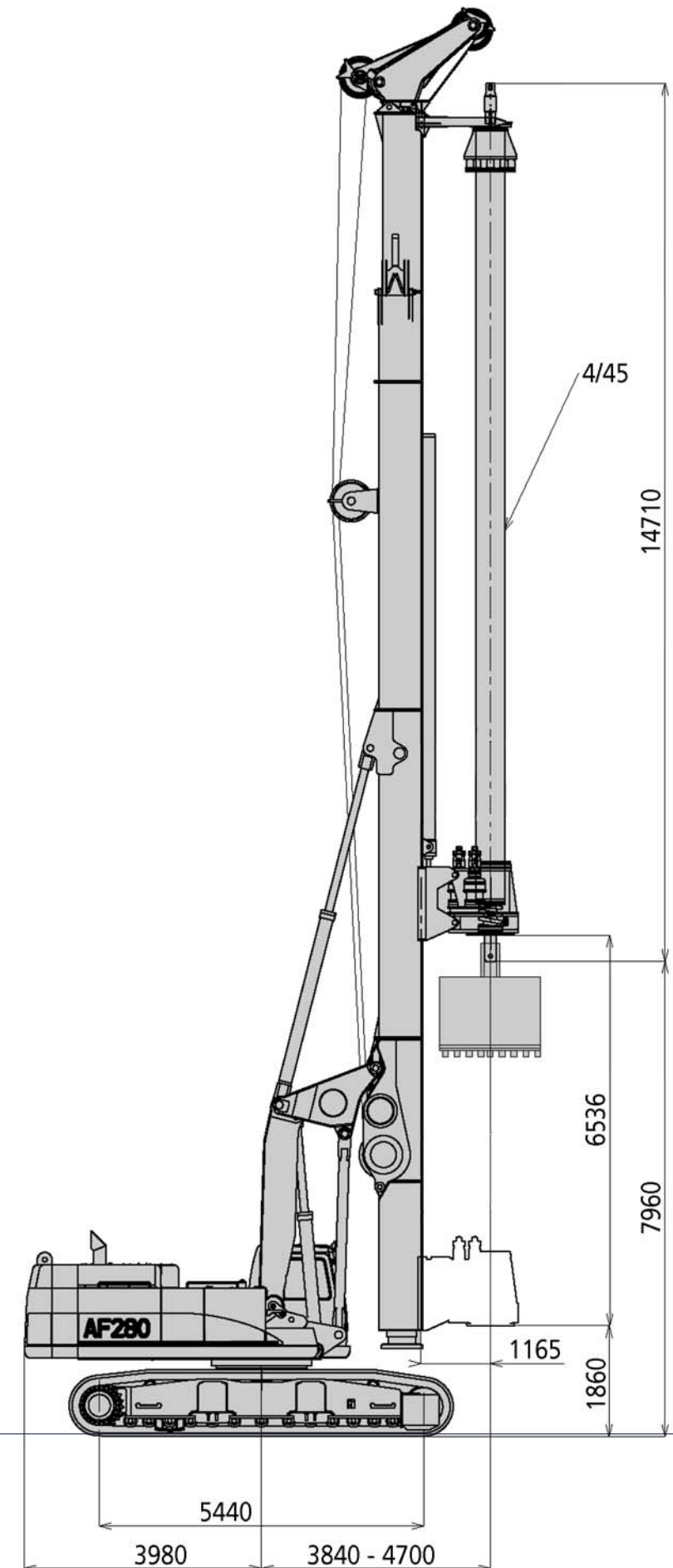
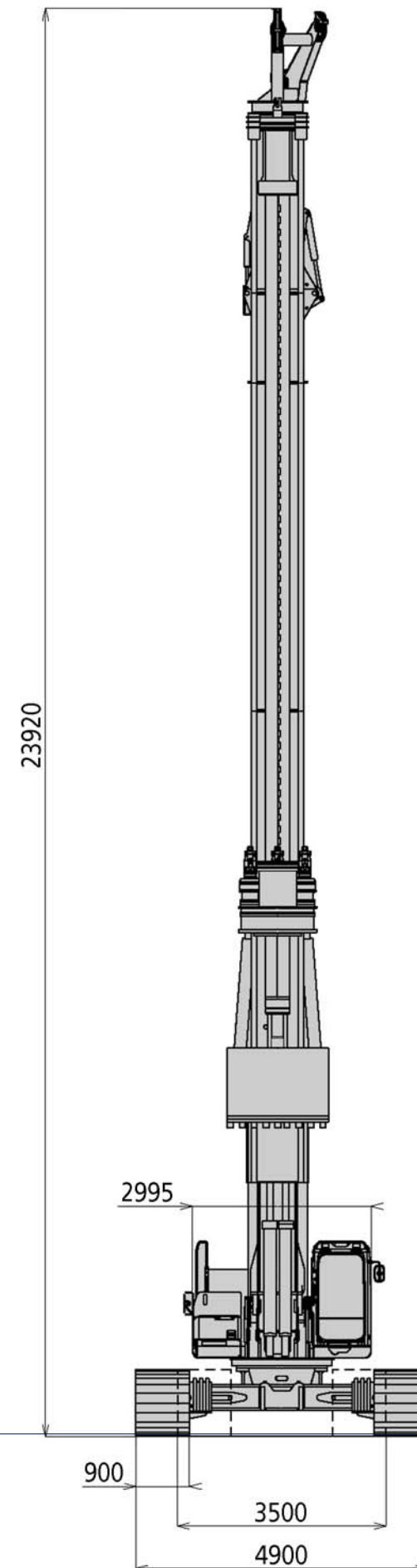
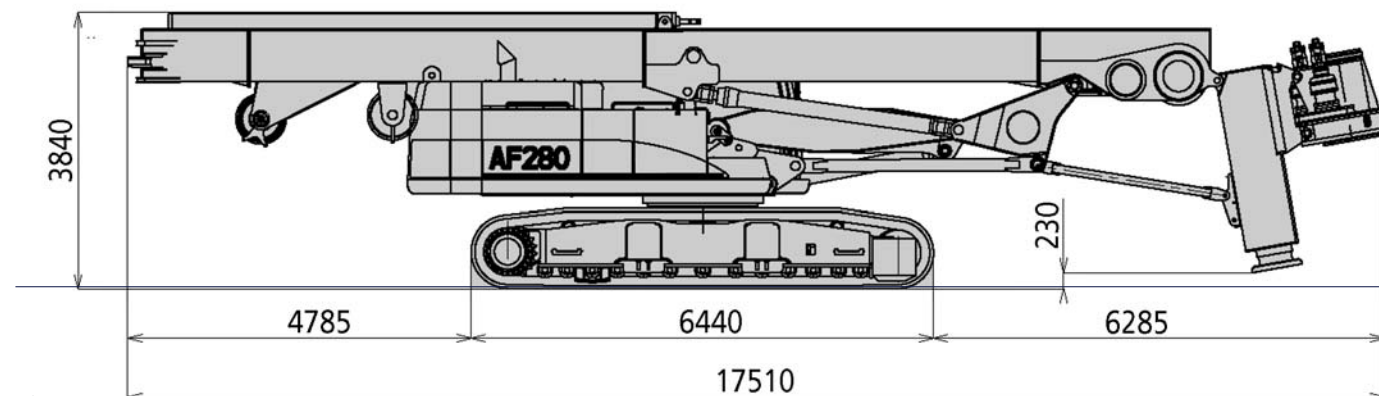
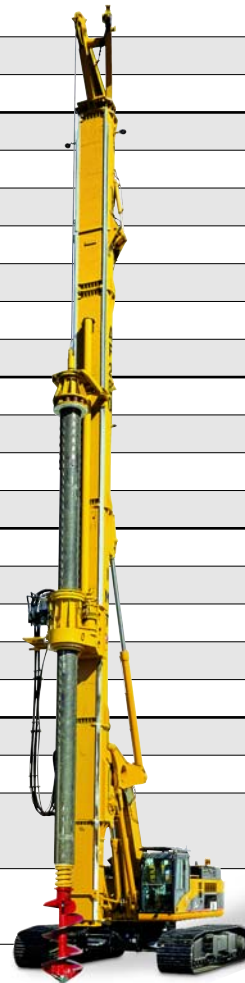
| Base | CAT 345 C | | | |
|--|----------------------------|--------------------------|---------------------------|--------------------|
| Undercarriage length / widening range / shoe | mm | CAT 6000/3000 - 4400/800 | in | 236/118 - 173/31,5 |
| Engine type | CAT C13 | | CAT C13 | |
| Power | 277 Kw (371hp) @ 1800 rpm. | | 277 Kw (371hp) @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 | 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 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) | 75 | lbs | 165347 |



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AF 280

| | | | | |
|--|-----------------------------|--------------------------|-----------------------------|--------------------|
| Base | CAT 345 C HHP | | CAT 345 C HHP | |
| Undercarriage length / widening range / shoe | mm | CAT 6440/3500 - 4900/900 | in | 253/137 - 193/35,4 |
| Engine type | CAT C13 | | CAT C13 | |
| Power | 277 KW (371 HP) @ 1800 rpm. | | 277 KW (371 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 | 310 | lbf | 69695 |
| Main winch speed | m/min | 70 | ft/min | 230 |
| Main winch Cable diameter | mm | 30 | 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 |



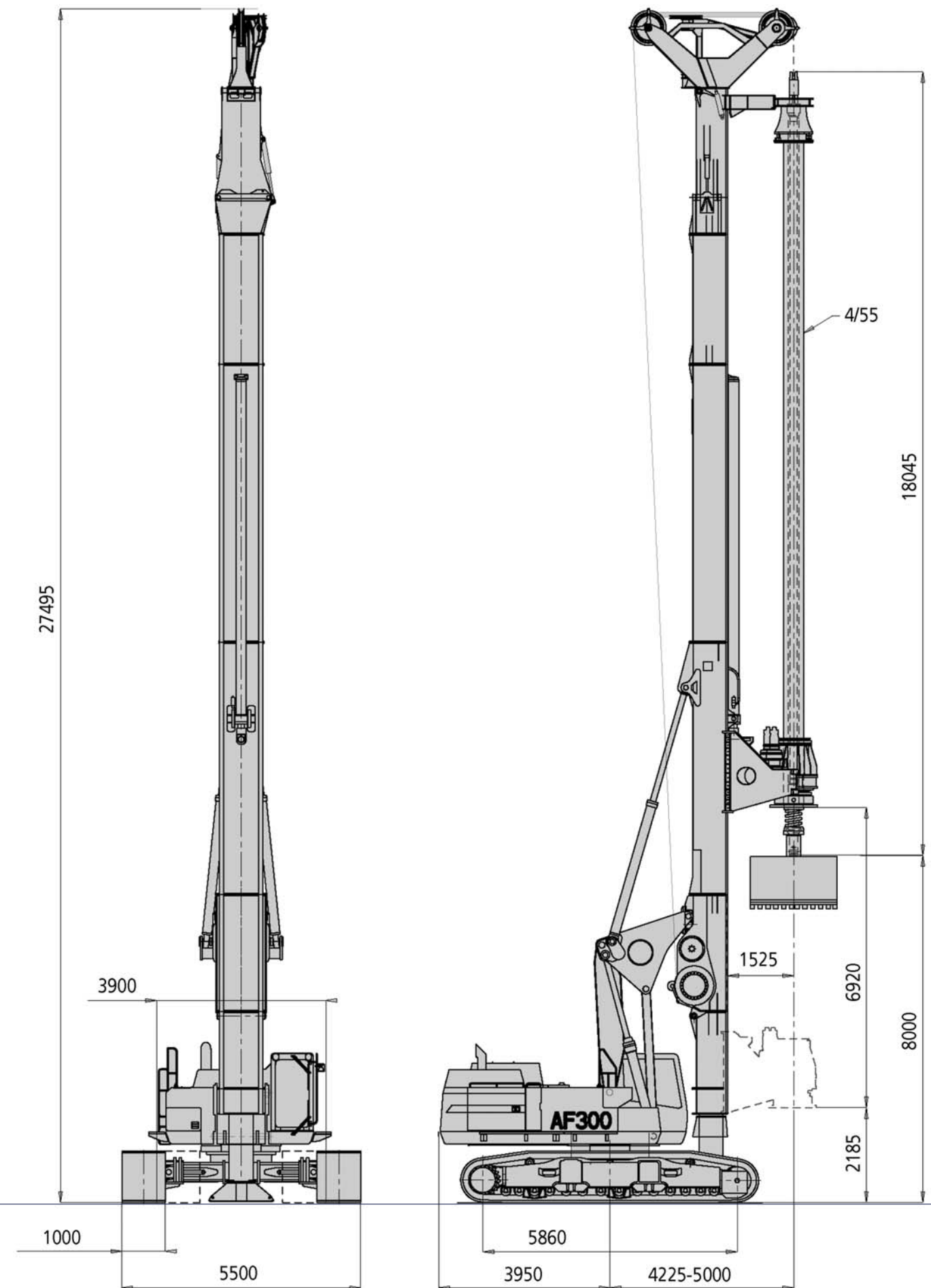
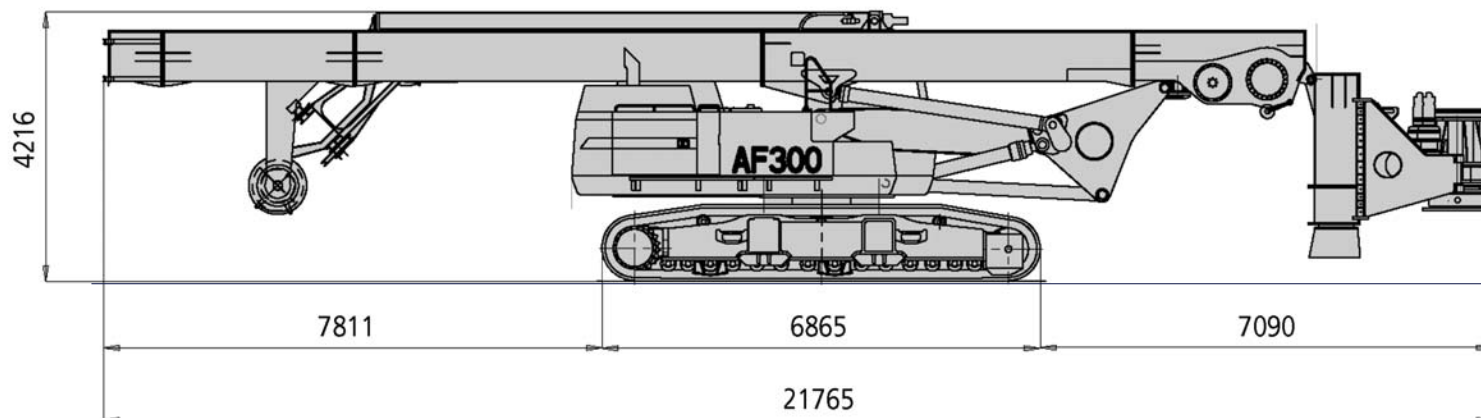
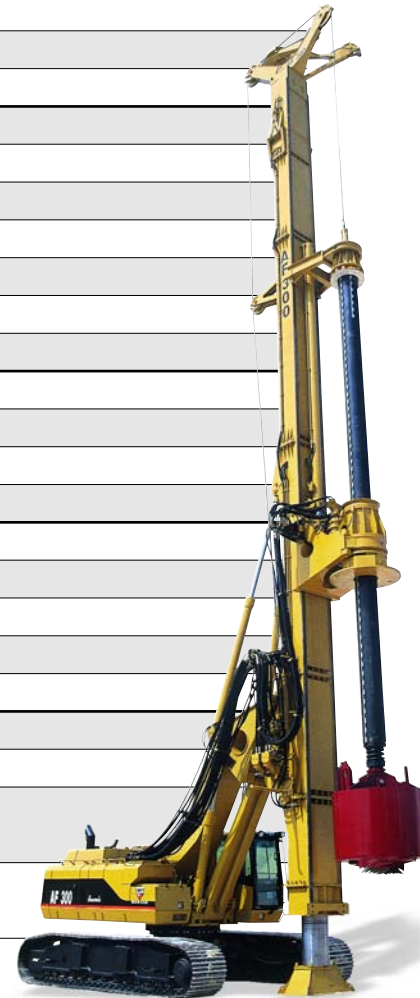
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AF 300

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|--|------------|-----------------------------|--------|-----------------------------|
| Undercarriage length / widening range / shoe | mm | CAT 6865/3900 - 5500/1000 | in | 270/153,5 - 216,5/39 |
| Power | | 312 KW (418 HP) @ 1800 rpm. | | 312 KW (418 HP) @ 1800 rpm. |
| Installed torque | kNm | 350 | lbf ft | 258146 |
| Discharge speed | rpm | 50 - 115 | rpm | 50 - 115 |
| Main winch pull force | kN | 300 | lbf | 67443 |
| Main winch Cable diameter | mm | 34 | in | / |
| Auxiliary winch Speed | m/min | 80 | ft/min | 262 |
| Crowd system | | | | |
| Kelly crowd pull | kN | 400 | lbf | 89923 |
| Mast | | | | |
| Mast side raking | | ±5° | | ±5° |
| Pile max. diameter | mm | 3000 | in | 118 |
| Standard | | 4/55 | | 4/55 |
| Operating Weight w/standard kelly bar | t (metric) | 110 | lbs | 242508 |

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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.

Furthermore, since 1997 IMT drill rigs are sold and supported on the American market by Kelly Tractor, one of the biggest Caterpillar dealers in the world. This is an important goal for the further reinforcement of the presence of IMT in international markets.



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