

IMT®

A 75

hydraulic drill rig

IMT®

A 75

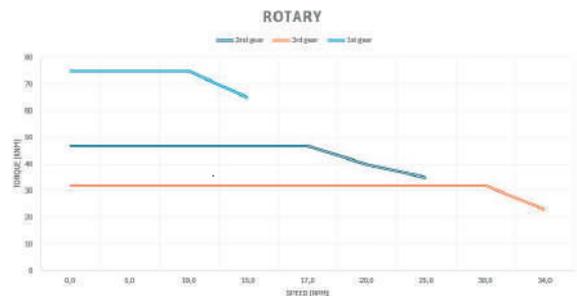
IMT, a global leader in the manufacture of drill rigs and a brand which has always been synonymous with quality and reliability in the pursuit of satisfying market demand, is pleased to present a new series of A drill rigs. This new line is unique in its simplicity and flexibility of use, while also perfectly maintaining sturdiness and productivity.

The A75 drill rig is suitable for the use in several different configurations, with very simple procedures for the passage from one version to another. The machine was designed for very arduous applications as, thanks to its compact dimensions, powerful winch and rotary it allows to perform very fast working cycles in small job sites. Its heavy duty variable gauge undercarriage guarantees optimal stability in various working conditions and configurations.



A75 Crowd Cylinder

Rotary		
Nominal torque	kNm	75
	lbf ft	55317
Min. Working speed	rpm	17
Max. Working speed	rpm	34
Min. Discharge speed	rpm	81
Max. Discharge speed	rpm	100



Winches		
Main winch pull nominal force	kN	85
	lbf	19110
Main winch speed	m/min	65
	ft/min	213
Main winch cable diameter	mm	20
	in	/
Auxiliary winch pull nominal force	kN	28
	lbf	6295
Auxiliary winch speed	m/min	28
	ft/min	92
Auxiliary winch cable diameter	mm	12
	in	/

Crowd System		
Kelly crowd push	kN	90
	lbf	20233
Kelly crowd pull	kN	90
	lbf	20233
Stroke (mm)	mm	2200
	in	86

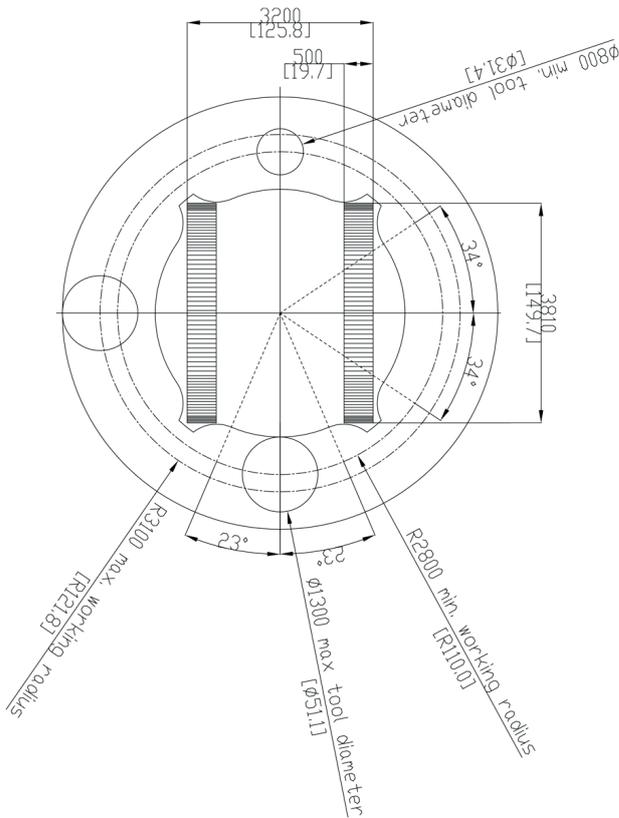
Base	IMT	
Undercarriage length / widening range / shoe	mm	3810/2540-3200/500
	in	150/100-126/19,8
Base	Doosan DX140 LC 7K STV 86 KW (115 HP) @ 2000 rpm	
Oil tank capacity	l	145
Fuel tank capacity	l	265

Mast		
Mast raking forward	degree	4°
Mast side raking	degree	±5°
Mast raking backwards	degree	15°
Pile max diameter (in front of mast)	mm	1300
	in	51

Kelly bar		
Standard		4/25
Options available		4/28 - 4/32
Operating Weight w/standard kelly bar	t (metric)	24,5
	lbs	54013

A75 - Hydraulic Drill Rig

Working area crowd cylinder



A	MAX WORKING RADIUS 3100 [R 121.8]
B	MAX TOOL DIAMETER 1300 [Ø 51]
C	MIN WORKING RADIUS 2800 [R 110]

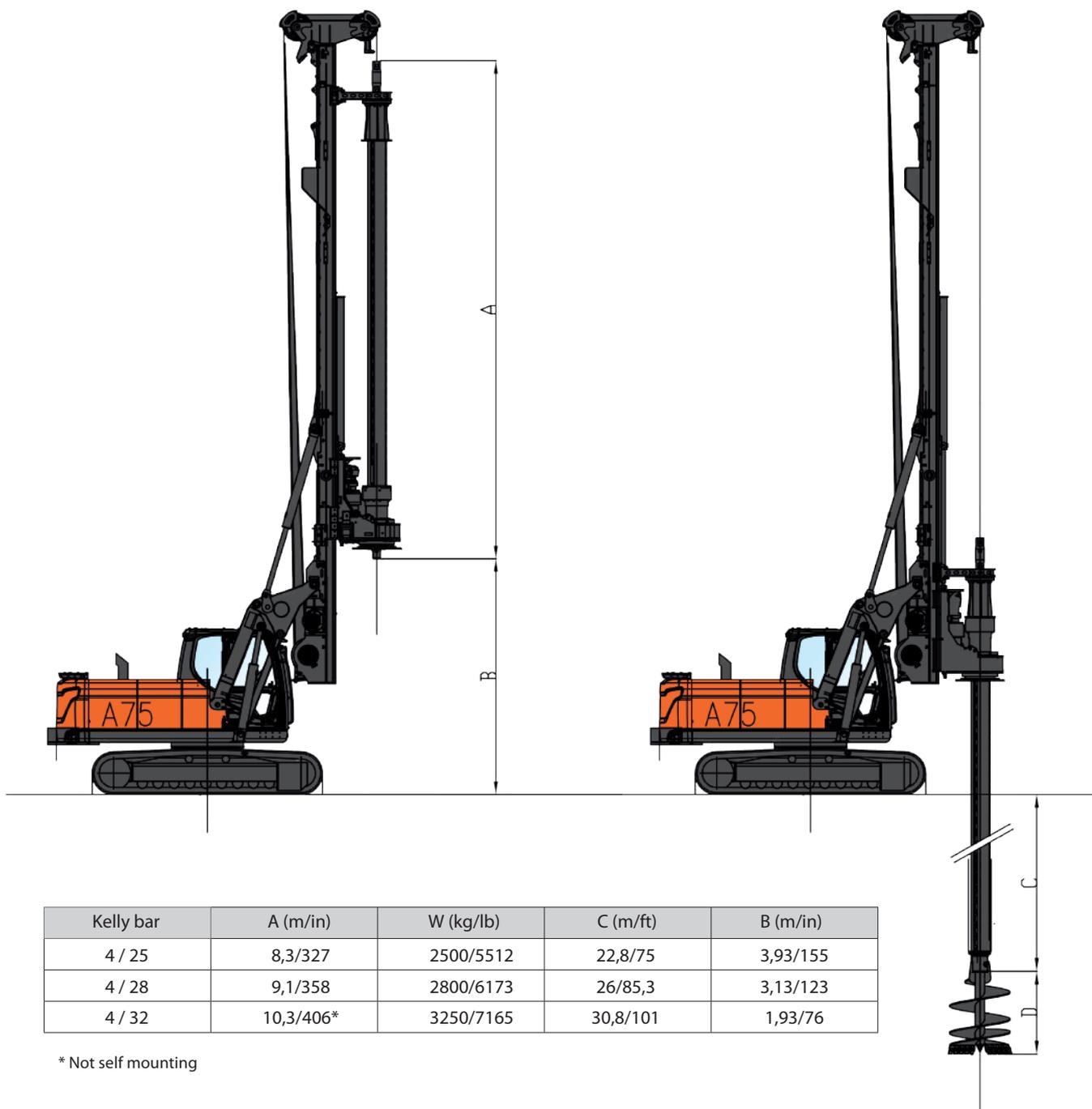
Equipment

- STANDARD EQUIPMENT -
Air conditioner
Neutral lever (lock out) for all control
Guard cab front
Guard cat top
Top cabin working lights
Fuel refill pump
Engine diagnostic system
Main and auxiliary load sensing circuit
Free flow during drilling phase
Automatic bottom hole stop
Depth measuring device on main winch
Mast inclination measurement
Kelly bar interlocking 4/25 (25 m depth)
Rotary suitable for every kind of kellybar
"Y" shape derrick
Rear Camera/Lateral Camera
Cabin flashing light

- OPTIONAL EQUIPMENT-
Biodegradable oil
CFA kit
Universal joint kit
LCA kit
Every kind of Kelly bar
Tier 3 engine
GPS kit
Automatic greasing system

A75 - Hydraulic Drill Rig

Kelly bar standard version



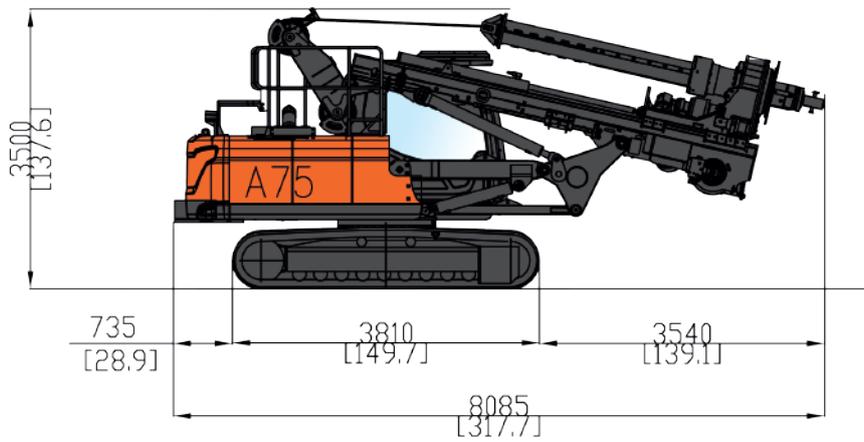
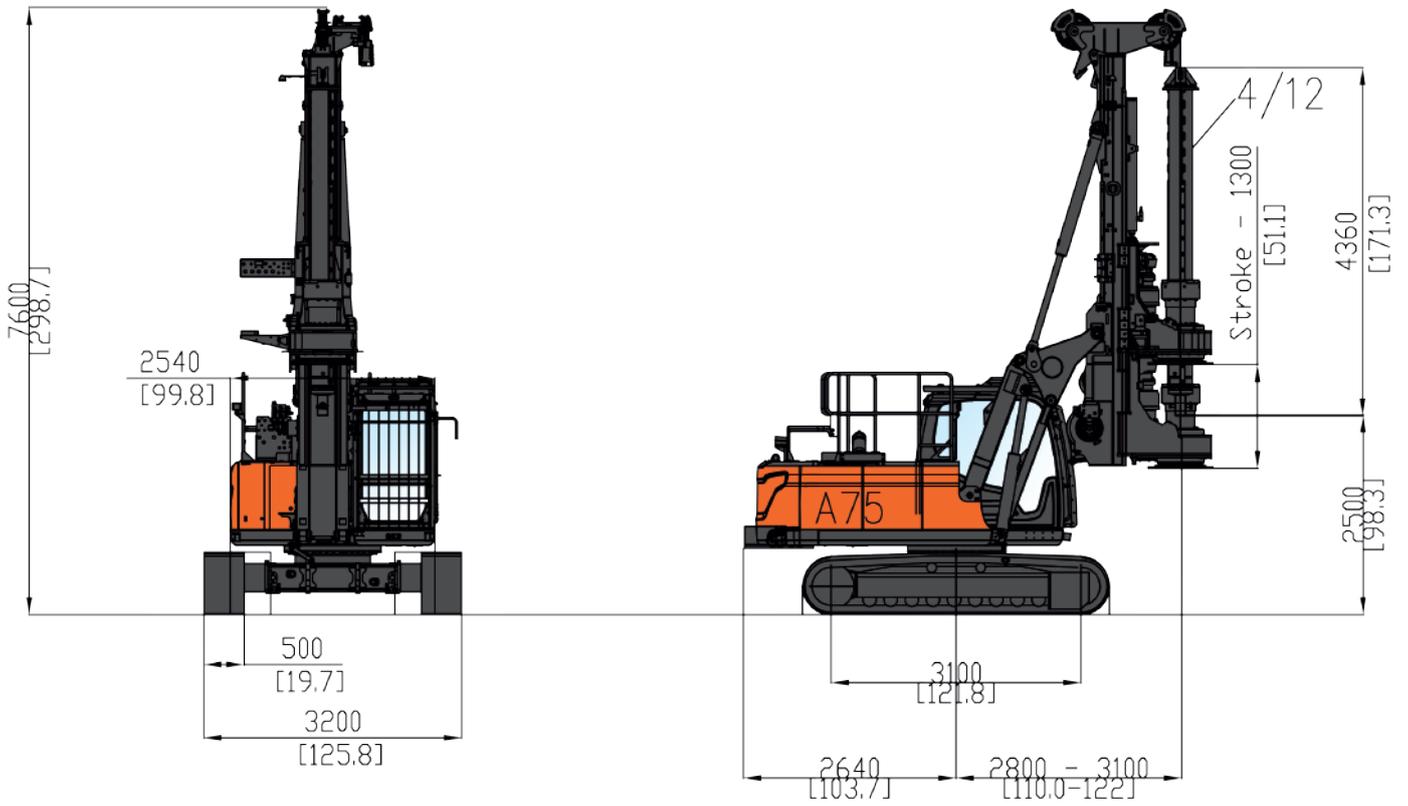
Kelly bar	A (m/in)	W (kg/lb)	C (m/ft)	B (m/in)
4 / 25	8,3/327	2500/5512	22,8/75	3,93/155
4 / 28	9,1/358	2800/6173	26/85,3	3,13/123
4 / 32	10,3/406*	3250/7165	30,8/101	1,93/76

* Not self mounting

D	1,5 (m)	130 x 130 mm
Standard square joint 130x130 other dimension available		
Further kelly bars available on request		

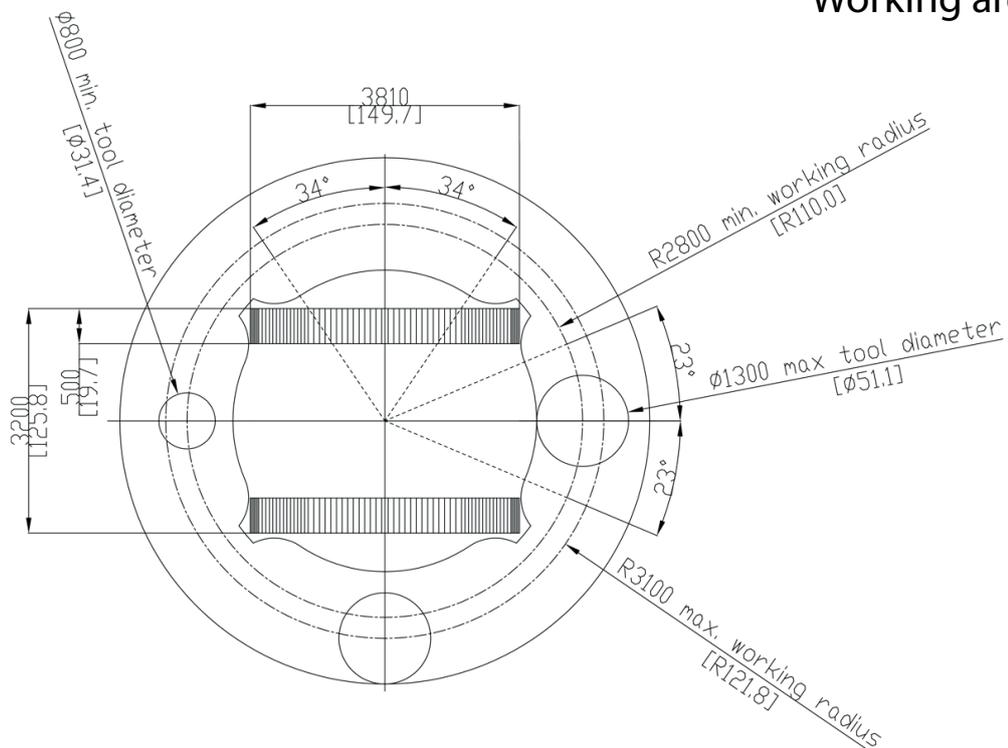
A75 - Hydraulic Drill Rig

Crowd cylinder version



Crowd System		
Stroke	mm	1300
	in	51,2
Kelly Bar		
Standard		4/12
Operating Weight without auger	t (metric)	22,5
	lbs	49605

Working area LCA



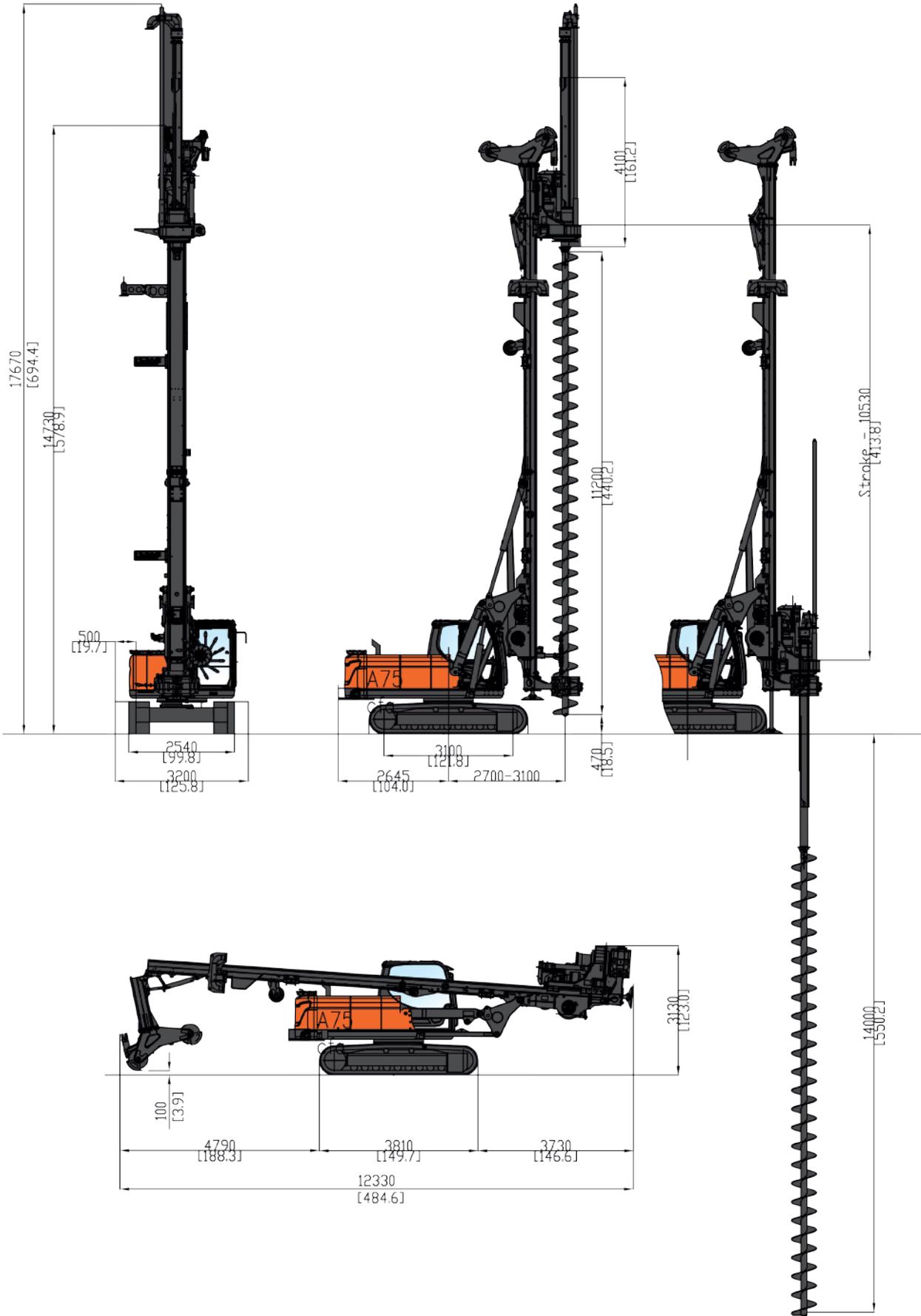
A MAX WORKING RADIUS 3100 [R 121,8]

B MAX TOOL DIAMETER 1300 [ø 51,1]

C MIN WORKING RADIUS 2800 [R 110]

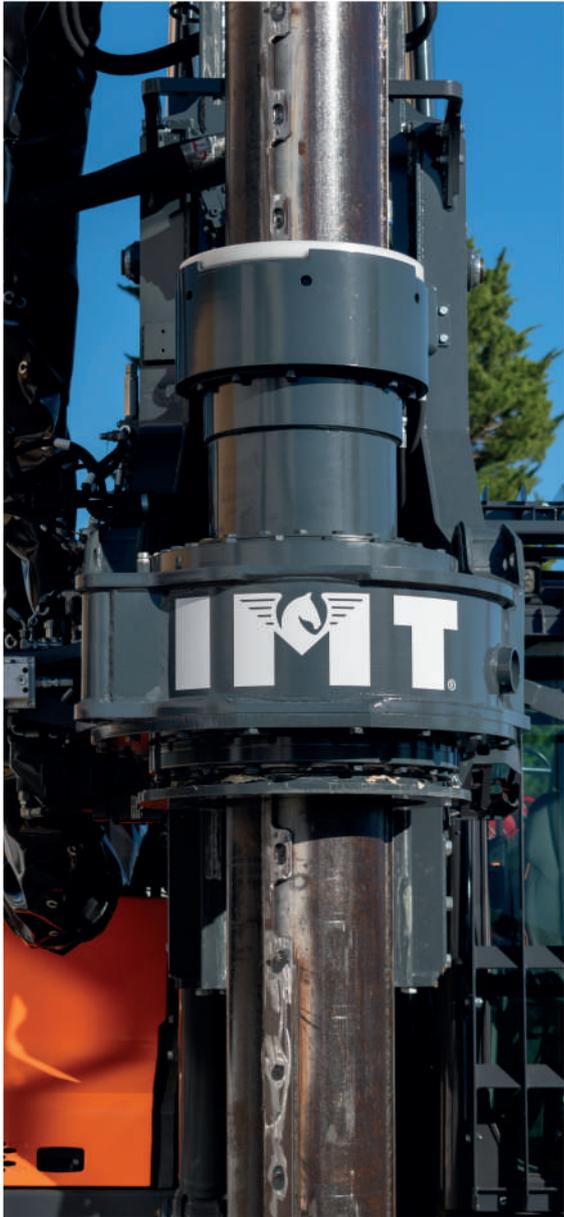
A75 - Hydraulic Drill Rig

Crowd cylinder version



Crowd System		
Pushing force (optional)	kN	25
	lbf	5620
Pulling force (nominal)	kN	170
	lbf	38200
Max push / pull speed	m / min	30
	ft / min	100
Rotary stroke	mm	10530
Main winch cable diameter	mm	20
Drilling depth maximum w/o auger extension	m	9,9
	ft	32,5
Drilling depth maximum w auger extensions	m	14
	ft	46
Auxiliary winch		
Auxiliary winch pull force	kN	28
	lbf	6295
Auxiliary winch speed diameter	m/min	28
	ft/min	92
Auxiliary winch cable diameter	mm	12
	in	/
Pile max diameter	mm	600
	in	24
Operating Weight without auger	t (metric)	25
	lbs	55200

A75 - Hydraulic Drill Rig



A75 - Hydraulic Drill Rig



A75 - Hydraulic Drill Rig

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 which they
can always count on fast and efficient service.



This document is created and distributed by IMT. This document may not be reproduced, modified or exhibited without authorization by IMT srl. All rights reserved. ©

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



I.M.T. S.r.l. - Industria Meccanica Trivelle
via D'Ancona,39 60027 Osimo (AN) Italy
Tel. +39 071 723341 - Fax +39 0717 133 352
imt@imtspa.com - www.imtspa.com