



# APE DRILL RIGS



# APE Drill Rig Specifications - Imperial

			Units	SA-12	SA-16	SA-20	SA-22	SA-25
Maximum Drilling Diameter			in	60	70	80	80	100
Maximum Drilling Depth			ft	164/5 section 121.4/4 section	180.5/5 section 138/4 section	197/5 section 157.5/4 section	216.5/5 section 170.6/4 section	246/5 section 190/4 section
Measurement	Working		ft	25x12.5x59.4	28.4x13.8x65.3	29.6x14.4x68.9	29.6x14.4x72.2	31.6x14.8x79.6
	Transport		ft	42.2x8.5x10	47.5x10.5x11.1	50x11x11.1	53.3x11x11.1	58x11x11.1
Min Working Radius			ft	10.6	12	12.5	12.5	14
Total Operating Weight			lbs	99,208	125,663	154,324	158,733	167,551
Engine	Model			QSB5.9-205	QSB5.9-240	M11-C330	M11-C330	QSM11-335
	Rated Output		hp/rpm	205/2200	250/2200	330/2100	330/2100	335/2100
	Max Torque		ft-lb/rpm	685/1500	730/1500	1075/1300	1075/1300	1255/1400
Hydraulic System	Max Pressure	Main Pump	psi	4641	4641	4351	4641	4641
		Aux Pump	psi	3771	3771	4061	4061	4061
	Max Oil Flow	Main Pump	gal/min	79	104	2x55	2x55	137
		Aux Pump	gal/min	26	26	24	24	32
Rotary Head	Max Torque		ft-lb	88,507	118,010	147,512	162,263	182,915
	Rev.		rpm	6-32	6-32	6-26	6-26	6-32
	Spin Off Rate		rpm	----	----	110	110	----
Crowd Cylinder	Max Crowd Force Push		lbs	24,729	41,590	41,590	41,590	41,590
	Max Crowd Force Pull		lbs	33,721	47,210	47,210	47,210	47,210
	Max Stroke		ft	13	16.4	16.4	16.4	19.7
Main Winch	Max Line Pull		lbs	30,349	38,218	40,466	40,466	47,210
	Max Line Speed		ft/min	210	246	240	240	220
	Wire Rope Diameter		in	0.94	1	1.125	1.125	1.25
Auxiliary Winch	Max Line Pull		lbs	15,737	17,985	17,985	17,985	24,729
	Max Line Speed		ft/min	165	180	180	180	180
	Wire Rope Diameter		in	0.75	0.81	0.81	0.81	0.94
Drill Mast	Left/Right Inclination		deg.	5	5	5	5	4
	Forward Inclination		deg.	5	5	5	5	5
	Backward Inclination		deg.	15	15	15	15	15
Turntable Platform	Swing Angle		deg.	360	360	360	360	360
	Swing Speed		r/min	3	3.2	3	3	3
Chassis	Max Travel Speed		mph	1	1	2	2	1.1
	Max Travel Slope		deg.	15	15	15	15	15
	Min Ground Clearance		in	14	15.4	18.4	18.4	16.6
	Width Of Track Shoes		in	23.6	27.6	31.5	31.5	35.4
	Overall Width of Crawler (Retract/Extend)		in	79-118	98-138	101-142	101-142	97-142
	Overall Length of Crawler		in	151	167	185	185	185

# APE Drill Rig Specifications - Metric

			Units	SA-12	SA-16	SA-20	SA-22	SA-25
Maximum Drilling Diameter			mm	1500	1800	2000	2000	2500
Maximum Drilling Depth			m	50/5 section 37/4 section	55/5 section 42/4 section	60/5 section 48/4 section	66/5 section 52/4 section	5 section 4 section
Measurement	Working		m	7.6x3.8x18.1	8.64x4.2x19.9	9.03x4.4x21	9.03x4.4x22	9.63x4.5x24.27
	Transport		m	12.87x2.6x3.05	14.5x3.2x3.37	15.25x3.36x3.37	16.25x3.36x3.37	17.73x3.36x3.38
Min Working Radius			mm	3240	3645	3820	3820	4240
Total Operating Weight			T	45	57	70	72	76
Engine	Model			QSB5.9-205	QSB5.9-240	M11-C330	M11-C330	QSM11-335
	Rated Output		kw/rpm	153/2200	186/2200	246/21001	246/2100	250/2100
	Max Torque		n.m/rpm	929/1500	990/1500	1458/1300	1458/1300	1704/1400
Hydraulic System	Max Pressure	Main Pump	mpa	32	32	30	32	32
		Aux Pump	mpa	26	26	28	28	28
	Max Oil Flow	Main Pump	L/min	300	395	2x210	2x210	520
		Aux Pump	L/min	99	99	90	90	120
Rotary Head	Max Torque		KN.m	120	160	200	200	248
	Rev		rpm	6-32	6-32	6-26	6-26	6-32
	Spin Off Rate		rpm	----	----	110	110	----
Crowd Cylinder	Max Crowd Force Push		KN	110	185	185	185	185
	Max Crowd Force Pull		KN	150	210	210	210	210
	Max Stroke		mm	4000	5000	5000	5000	5000
Main Winch	Max Line Pull		KN	135	170	180	180	210
	Max Line Speed		m/min	64	75	73	73	67
	Wire Rope Diameter		mm	24	26	28	28	32
Auxiliary Winch	Max Single Line Pull		KN	70	80	80	80	110
	Max Line Speed		m/min	50	55	55	55	55
	Wire Rope Diameter		mm	18	20	20	20	24
Drill Mast	Left/Right Inclination		deg.	5	5	5	5	4
	Forward Inclination		deg.	5	5	5	5	5
	Backward Inclination		deg.	15	15	15	15	15
Turntable Platform	Swing Angle		deg.	360	360	360	360	360
	Swing Speed		r/min	3	3.2	3	3	3
Chassis	Max Travel Speed		km/h	1.5	1.63	3.5	3.5	1.75
	Max Travel Slope		deg.	15	15	15	15	15
	Min Ground Clearance		mm	365	390	468	468	421
	Width Of Track Shoes		mm	600	700	800	800	800
	Overall Width of Crawler (Retract/Extend)		mm	2000-3000	2500-3500	2560-3600	2560-3600	2460-3600
	Overall Length of Crawler		mm	3840	4230	4700	4700	4700



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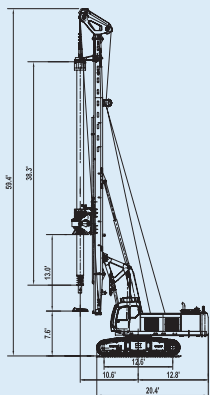
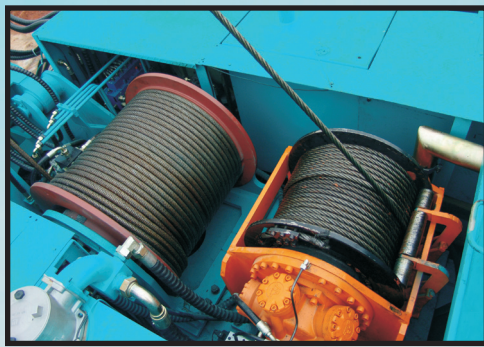
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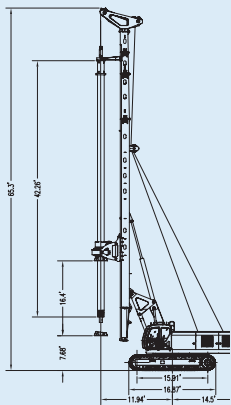
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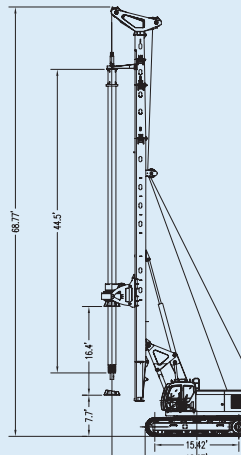
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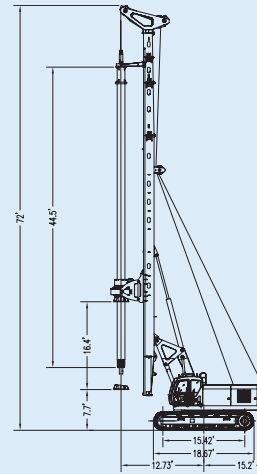
Model SA-12



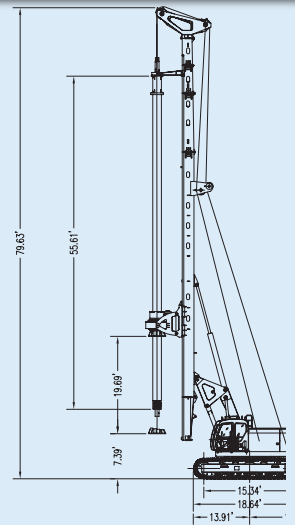
Model SA-16



Model SA-20



Model SA-22



Model SA-25

Note: All specifications are subject to change without notice.