

EXPLORATION DRILLING EQUIPMENT



CRAWLER AND TRUCK MOUNTED DRILLING RIGS DESIGNED FOR THE MINING INDUSTRY.

The **CX line** includes a **range of multipurpose crawler and truck mounted drilling rigs** designed and built for the mining industry. Bristling with technology and capability, these rigs are configured to meet the very stringent **safety requirements of the mining industry**, including an array of **hands-free rod handling systems**, developed by Comacchio to eliminate the hazards associated with manual handling and increase operational efficiency.

The **CX line** rigs can be configured to perform diamond core drilling to great depths as well as **reverse circulation rotary drilling, air core and grade control**.

APPLICATIONS



Diamond Core Drilling



Reverse Circulation



Grade Control

INDICATIVE DRILLING CAPACITY

		* FRICTION %	CX 1010		CX 1012		CX 1515		CX 1520		CX 2020		CX 2030	
			m	ft	m	ft	m	ft	m	ft	m	ft	m	ft
DD	BQ	0*	1.400	4593'	1.700	5577'	2.400	7874'	3.000	9843'	3.000	9843'	3.000	9843'
		15*	1.200	3937'	1.450	4757'	2.050	6726'	2.700	8858'	2.700	8858'	3.000	9843'
		30*	1.000	3281'	1.200	3937'	1.750	5741'	2.400	7874'	2.400	7874'	3.000	9843'
	NQ	0*	1.100	3609'	1.350	4429'	1.850	6070'	2.500	8202'	2.500	8202'	3.500	11483'
		15*	950	3117'	1.150	3773'	1.600	5249'	2.200	7218'	2.200	7218'	3.500	11483'
		30*	800	2625'	1.000	3281'	1.400	4593'	1.900	6234'	1.900	6234'	2.800	9186'
	HQ	0*	750	2461'	900	2953'	1.250	4101'	1.700	5577'	1.700	5577'	2.550	8366'
		15*	650	2133'	800	2625'	1.100	3609'	1.500	4921'	1.500	4921'	2.300	7546'
		30*	550	1804'	700	2297'	950	3117'	1.300	4265'	1.300	4265'	2.000	6562'
	PQ	0*	550	1804'	700	2297'	900	2953'	1.200	3937'	1.200	3937'	1.850	6070'
		15*	500	1640'	600	1969'	800	2625'	1.050	3445'	1.050	3445'	1.600	5249'
		30*	400	1312'	500	1640'	650	2133'	900	2953'	900	2953'	1.400	4593'
RC/GC	4" 1/2	0*	270	886'	350	1148'	400	1312'	550	1804'	550'	1804	800	2625'
		15*	250	820'	300	984'	350	1148'	500	1640'	500	1640'	700	2297'
		30*	200	656'	250	820'	280	919'	400	1312'	400	1312'	550	1804'

Drill rods depth rating must be verified with the manufacturer as BQ capacity is shown for comparison purposes only.

The data on the table are indicative, calculated on vertical holes, which are variable and subjected to soil conditions, in hole-tools and flushing method.

MACHINES DE FORAGE SUR CHENILLES ET SUR CAMION CONÇUES POUR L'INDUSTRIE MINIERE.

La ligne CX propose une gamme complète de machines de forage sur chenilles et sur camion conçues et construites pour l'industrie minière. Dotées de dispositifs à l'avant-garde de la technologie actuelle, ces foreuses sont configurées pour répondre aux exigences de sécurité très strictes de l'industrie minière, y compris une gamme de systèmes de manipulation de tiges, développés par Comacchio pour afin d'éliminer les risques associés à la manipulation manuelle et d'augmenter l'efficacité opérationnelle.

Les machines de la ligne CX peuvent être configurées pour effectuer les carottages au diamant à grandes profondeurs, et aussi pour le forage par circulation inverse, l'Air Core (AC) et le contrôle de la teneur de grade (Grade Control).

APPLICATIONS		
DD Forage par carottage au diamant	RC Forage par circulation inverse	GC Contrôle de la teneur de grade

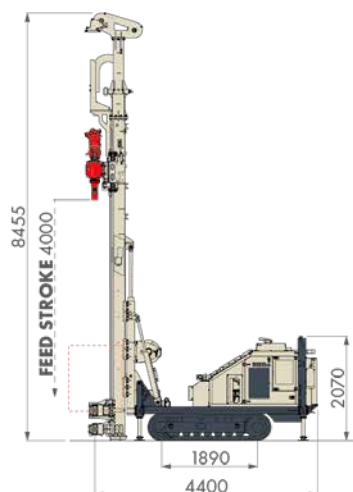
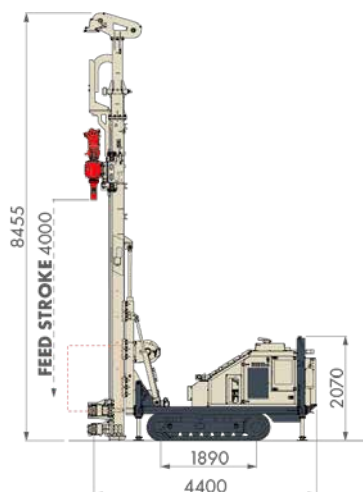
CAPACITÉ DE FORAGE INDICATIVE

CX 2520		CX-T 10		CX-T 15		CX-T 20		CX-T 30		* FRICTION %		
m	ft	m	ft	m	ft	m	ft	m	ft			
---	---	1.400	4593'	2.400	7874'	3.000	9843'	3.000	9843'	0*	BQ	DD
---	---	1.200	3937'	2.050	6726'	2.700	8858'	3.000	9843'	15*		
---	---	1.000	3281'	1.750	5741'	2.400	7874'	3.000	9843'	30*		
---	---	1.100	3609'	1.850	6070'	2.500	8202'	3.500	11483'	0*	NQ	
---	---	950	3117'	1.600	5249'	2.200	7218'	3.500	11483'	15*		
---	---	800	2625'	1.400	4593'	1.900	6234'	2.800	9186'	30*		
---	---	750	2461'	1.250	4101'	1.700	5577'	2.550	8366'	0*	HQ	
---	---	650	2133'	1.100	3609'	1.500	4921'	2.300	7546'	15*		
---	---	550	1804'	950	3117'	1.300	4265'	2.000	6562'	30*		
---	---	550	1804'	900	2953'	1.200	3937'	1.850	6070'	0*	PQ	
---	---	500	1640'	800	2625'	1.050	3445'	1.600	5249'	15*		
---	---	400	1312'	650	2133'	900	2953'	1.400	4593'	30*		
550	1804'	270	886'	400	1312'	550	1804'	800	2625'	0*	4" 1/2	RC/GC
500	1640'	250	820'	350	1148'	500	1640'	700	2297'	15*		
400	1312'	200	656'	280	919'	400	1312'	550	1804'	30*		

La profondeur de forage doit être vérifiée avec le fabricant car la capacité BQ est indiquée à des fins de comparaison uniquement. Les données du tableau sont indicatives, calculées sur des trous verticaux, qui sont variables en fonction des conditions du sol, des outils de forage et des fluides de forage.

CX 1010

CX 1012



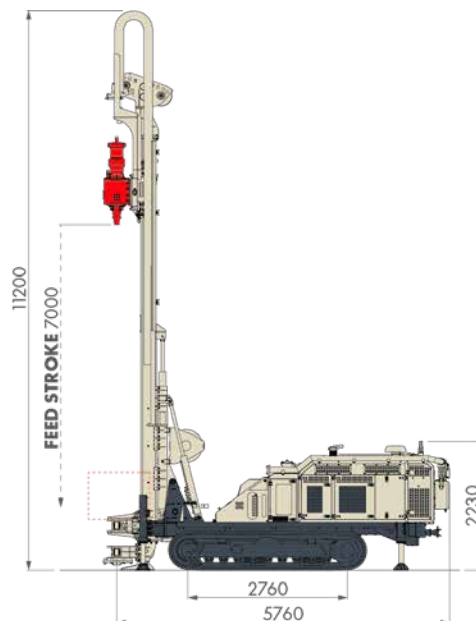
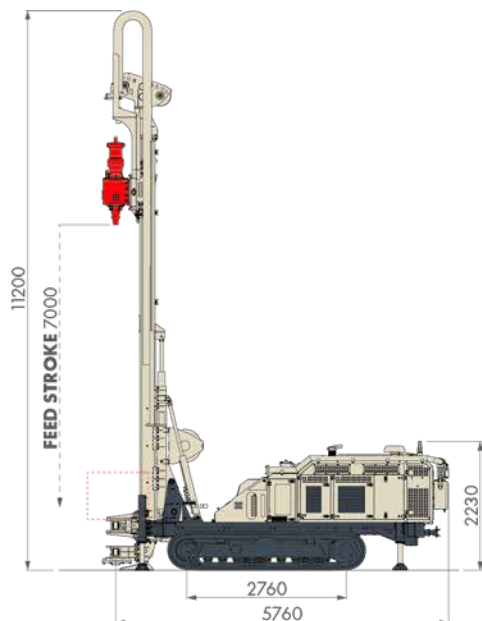
			m.s.	i.s.		
Engine Power <i>Puissance Moteur</i>	115 - 119	154 - 160	kW	HP	115 - 119	154 - 160
Emission Level <i>Norme d'Émissions</i>	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)		-	-	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)	
Feed Stroke <i>Course Utile</i>	4.000	13' 1"	mm	ft-in	4.000	13' 1"
Feed Force <i>Force de Poussée</i>	6.500	14,612	daN	lbs	6.500	14,612
Retract Force <i>Force de Traction</i>	9.000	20,233	daN	lbs	12.000	26,977
Weight <i>Poids</i>	9,5 - 11,5		ton		10 - 12,5	

	DD	RC	m.s.	DD	RC
			i.s.		
Rotary Torque Range <i>Couple Rotative</i>	2.300 - 8.350 1,696 - 6,159	11.000 - 13.000 8,113 - 9,588	Nm lb*ft	2.300 - 8.350 1,696 - 6,159	11.000 - 13.000 8,113 - 9,588
Rotary Speed Range <i>Vitesse Rotative</i>	980 - 1.500	220 - 290	rpm	980 - 1.500	220 - 290
Clamp Range <i>Diam. Tige min/max</i>	45 - 325 1" 3/4 - 12" 13/16	45 - 325 1" 3/4 - 12" 13/16	mm in	45 - 325 1" 3/4 - 12" 13/16	45 - 325 1" 3/4 - 12" 13/16
Fluid Circulation Pump <i>Pompe de Circulation de Fluide</i>	200 52.8	-	l/min. gal/min.	200 52.8	-
Wire-line winch <i>Treuil Wire-line</i>	1.250 4,101	-	m ft	1.250 4,101	-



CX 1515

CX 1520



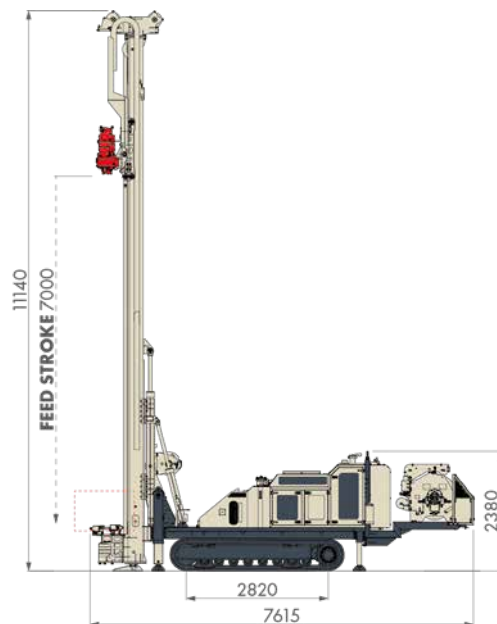
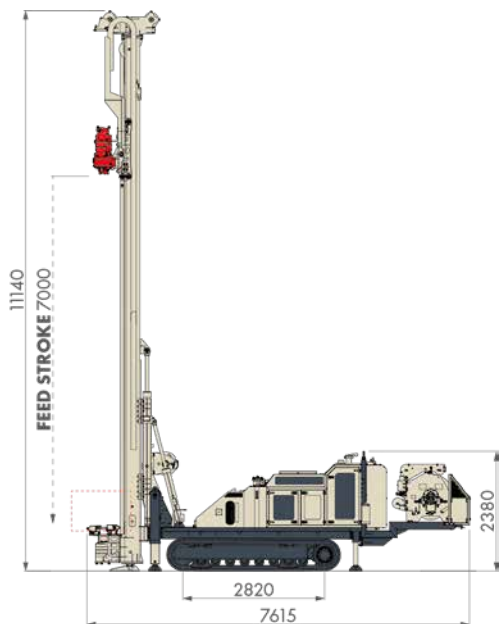
			m.s.	i.s.		
Engine Power Puissance Moteur	126 - 180	169 - 240	kW	HP	126 - 180	169 - 240
Emission Level Norme d'Émissions	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)		-	-	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)	
Feed Stroke Course Utile	4.000 - 7.000	13' 1" - 22' 12'	mm	ft-in	4.000 - 7.000	13' 1" - 22' 12'
Feed Force Force de Poussée	7.000	15,736	daN	lbs	12.000	26,977
Retract Force Force de Traction	15.000	33,721	daN	lbs	20.000	44,961
Weight Poids	15 - 17		ton		16 - 18	

	DD	RC	m.s.	i.s.	DD	RC
Rotary Torque Range Couple Rotative	5.365 - 15.200 3,957 - 11,211	7.150 - 15.200 5,273 - 11,211	Nm	lb*ft	5.365 - 15.200 3,957 - 11,211	7.150 - 15.200 5,273 - 11,211
Rotary Speed Range Vitesse Rotative	900 - 1.250	220 - 915	rpm		900 - 1.250	220 - 915
Clamp Range Diam. Tige min/max	45 - 365 1" 3/4 - 14" 3/8	45 - 365 1" 3/4 - 14" 3/8	mm	in	45 - 365 1" 3/4 - 14" 3/8	45 - 365 1" 3/4 - 14" 3/8
Fluid Circulation Pump Pompe de Circulation de Fluide	300 79.2	-	l/min. gal/min.		300 79.2	-
Wire-line winch Treuil Wire-line	1.800 5,905	-	m ft		1.800 5,905	-



CX 2020

CX 2030

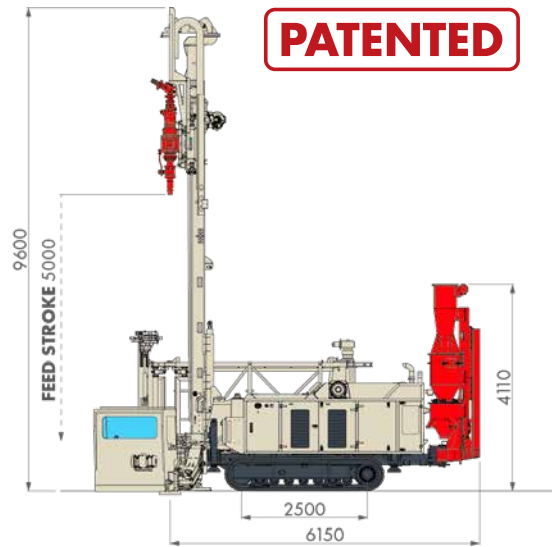


			m.s.	i.s.		
Engine Power <i>Puissance Moteur</i>	188 - 209	255 - 285	kW	HP	188 - 209	255 - 285
Emission Level <i>Norme d'Émissions</i>	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)		-	-	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)	
Feed Stroke <i>Course Utile</i>	4.500 - 7.000	14' 9" - 22' 12'	mm	ft-in	4.500 - 7.000	14' 9" - 22' 12'
Feed Force <i>Force de Poussée</i>	12.000	26,977	daN	lbs	12.000	26,977
Retract Force <i>Force de Traction</i>	20.000	44,961	daN	lbs	30.000	67,442
Weight <i>Poids</i>	19 - 22		ton		19 - 22	

	DD	RC	m.s.	i.s.	DD	RC
Rotary Torque Range <i>Couple Rotative</i>	5.365 - 15.200 3,957 - 11,211	8.000 - 37.500 5,900 - 27,659	Nm	lb*ft	5.365 - 15.200 3,957 - 11,211	8.000 - 37.500 5,900 - 27,659
Rotary Speed Range <i>Vitesse Rotative</i>	900 - 1.250	110 - 915	rpm		900 - 1.250	110 - 915
Clamp Range <i>Diam. Tige min/max</i>	45 - 365 1" 3/4 - 14" 3/8	45 - 365 1" 3/4 - 14" 3/8	mm	in	45 - 365 1" 3/4 - 14" 3/8	45 - 365 1" 3/4 - 14" 3/8
Fluid Circulation Pump <i>Pompe de Circulation de Fluide</i>	300 79.2	-	l/min. gal/min.		300 79.2	-
Wire-line winch <i>Treuil Wire-line</i>	2.600 8,530	-	m ft		2.600 8,530	-



CX 2520

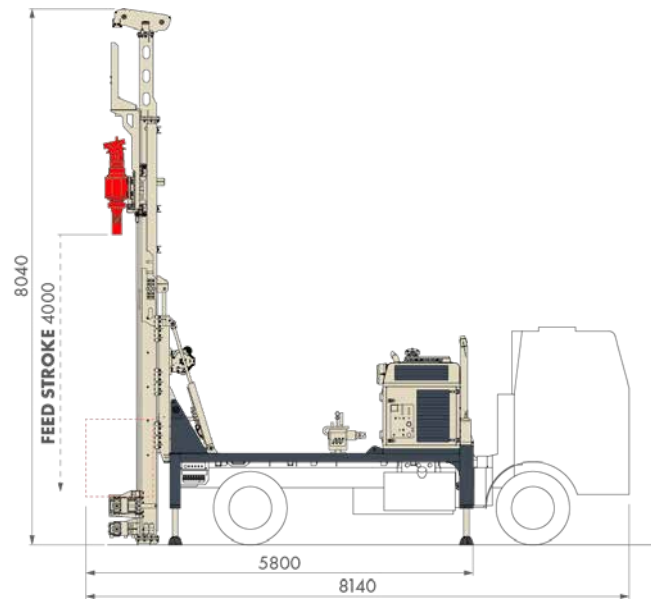


	m.s.	i.s.		
Engine Power <i>Puissance Moteur</i>	kW	HP	147 - 180	197 - 240
Emission Level <i>Norme d'Émissions</i>	-	-	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)	
Feed Stroke <i>Course Utile</i>	mm	ft-in	5.000	16' 5"
Feed Force <i>Force de Poussée</i>	daN	lbs	10.000	22,481
Retract Force <i>Force de Traction</i>	daN	lbs	20.000	44,961
Weight <i>Poids</i>	ton		19 - 22	

	m.s.	i.s.	GC	RC
Rotary Torque Range <i>Couple Rotative</i>	Nm		13.000	13.000
	lb*ft		9,588	9,588
Rotary Speed Range <i>Vitesse Rotative</i>	rpm		265 - 350	265 - 350
Clamp Range <i>Diam. Tige min/max</i>	mm		45 - 205	45 - 205
	in		1" ³ / ₄ - 8" ¹ / ₆	1" ³ / ₄ - 8" ¹ / ₆
Fluid Circulation Pump <i>Pompe de Circulation de Fluide</i>	l/min.		-	-
	gal/min.		-	-
Wire-line winch <i>Treuil Wire-line</i>	m		-	-
	ft		-	-



CX-T 10

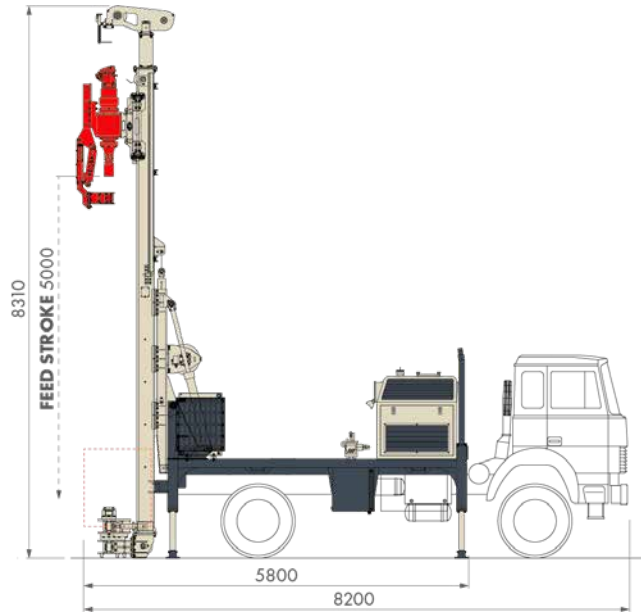


	m.s.	i.s.		
Truck (axles) Camion (châssis)	-	-	4x4 (2)	
Engine Power Puissance Moteur	kW	HP	119 - 140	160 - 190
Emission Level Norme d'Émissions	-	-	Stage 3A / Tier 3 - Stage 4 / Tier 4f (HT Line)	
Feed Stroke Course Utile	mm	ft-in	4.000	13' 1"
Feed Force Force de Poussée	daN	lbs	6.500	14,612
Retract Force Force de Traction	daN	lbs	9.500	21,356
Weight Poids	ton		8 - 8,5	

	m.s.	i.s.	DD	RC
Rotary Torque Range Couple Rotative	Nm lb*ft		2.300 - 8.350 1,696 - 6,159	6.300 - 13.000 4,647 - 9,588
Rotary Speed Range Vitesse Rotative	rpm		870 - 1.500	220 - 980
Clamp Range Diam. Tige min/max	mm in		45 - 325 1" 3/4 - 12" B/16	45 - 325 1" 3/4 - 12" B/16
Fluid Circulation Pump Pompe de Circulation de Fluide	l/min. gal/min.		200 52.8	-
Wire-line winch Treuil Wire-line	m ft		1.250 4,101	-
On Board Compressor Compresseur à bord	Max. Flow	l/sec. cfm	-	672 1424
	Max. Pressure	bar psi	-	35 507



CX-T 15

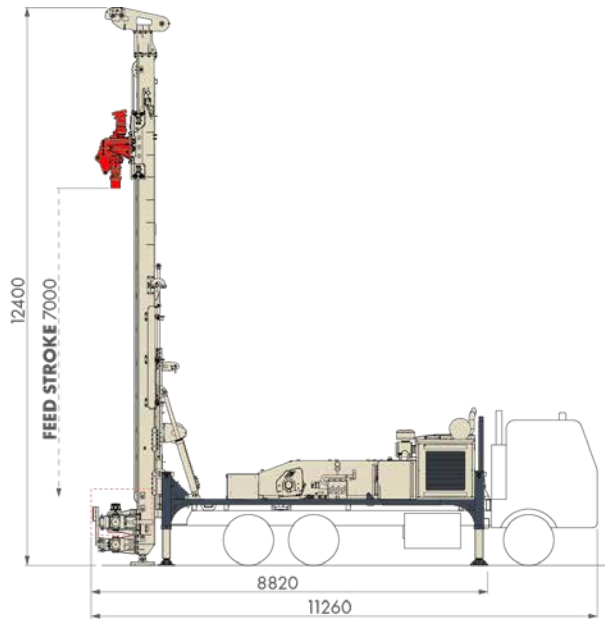


	m.s.	i.s.		
Truck (axles) Camion (châssis)	-	-	4x4 - 6x4 - 6x6 (2/3)	
Engine Power Puissance Moteur	kW	HP	180 - 205	240 - 278
Emission Level Norme d'Émissions	-	-	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)	
Feed Stroke Course Utile	mm	ft-in	4.000 - 7.000	13' 1" - 22' 12"
Feed Force Force de Poussée	daN	lbs	7.000	15,736
Retract Force Force de Traction	daN	lbs	15.000	33,721
Weight Poids	ton		7,5 - 10	

	m.s.	i.s.	DD	RC
Rotary Torque Range Couple Rotative	Nm	lb*ft	5.365 - 15.200 3,957 - 11,211	7.150 - 15.200 5,274 - 11,211
Rotary Speed Range Vitesse Rotative	rpm		900 - 1.250	220 - 915
Clamp Range Diam. Tige min/max	mm	in	45 - 435 1" 3/4 - 17" 1/8	45 - 435 1" 3/4 - 17" 1/8
Fluid Circulation Pump Pompe de Circulation de Fluide	l/min.	gal/min.	300 79.2	-
Wire-line winch Treuil Wire-line	m	ft	300 79.2	-
On Board Compressor Compresseur à bord	Max. Flow	l/sec.	cfm	672 1424
	Max. Pressure	bar	psi	35 507



CX-T 20

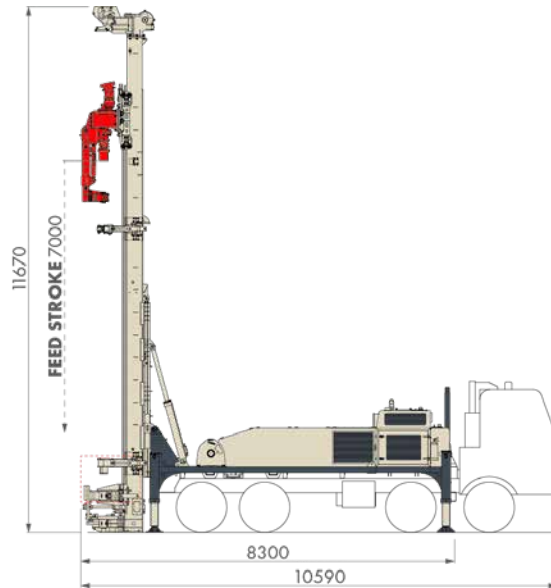


	m.s.	i.s.		
Truck (axles) Camion (châssis)	-	-	6x4 - 6x6 - 8x4 - 8x6 - 8x8 (3/4)	
Engine Power Puissance Moteur	kW	HP	205 - 245	278 - 333
Emission Level Norme d'Émissions	-	-	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)	
Feed Stroke Course Utile	mm	ft-in	4.500 - 7.000	14' 9" - 22' 12"
Feed Force Force de Poussée	daN	lbs	12.000	26,977
Retract Force Force de Traction	daN	lbs	20.000	44,961
Weight Poids	ton		12 - 18	

	m.s.	i.s.	DD	RC
Rotary Torque Range Couple Rotative	Nm	lb*ft	5.365 - 15.200 3,957 - 11,211	7.150 - 37.500 5,274 - 27,659
Rotary Speed Range Vitesse Rotative	rpm		900 - 1.250	110 - 915
Clamp Range Diam. Tige min/max	mm	in	45 - 365 1" 3/4 - 14" 3/8	45 - 365 1" 3/4 - 14" 3/8
Fluid Circulation Pump Pompe de Circulation de Fluide	l/min.	gal/min.	300 79.2	-
Wire-line winch Treuil Wire-line	m	ft	1.800 5,905	-
On Board Compressor Compresseur à bord	Max. Flow	l/sec.	cfm	672 1424
	Max. Pressure	bar	psi	35 507



CX-T 30



	m.s.	i.s.		
Truck (axles) Camion (châssis)	-	-	6x4 - 6x6 - 8x4 - 8x6 - 8x8 (3/4)	
Engine Power Puissance Moteur	kW	HP	205 - 245	278 - 333
Emission Level Norme d'Émissions	-	-	Stage 3A / Tier 3 - Stage 5 / Tier 4f (HT Line)	
Feed Stroke Course Utile	mm	ft-in	4.500 - 7.000	14' 9" - 22' 12"
Feed Force Force de Poussée	daN	lbs	12.000	26,977
Retract Force Force de Traction	daN	lbs	30.000	67,443
Weight Poids	ton		16 - 19	

	m.s.	i.s.	DD	RC
Rotary Torque Range Couple Rotative	Nm lb*ft		5.365 - 15.200 3,957 - 11,211	7.150 - 37.500 5,274 - 27,659
Rotary Speed Range Vitesse Rotative	rpm		900 - 1.250	110 - 915
Clamp Range Diam. Tige min/max	mm in		45 - 365 1" 3/4 - 14" 3/8	45 - 365 1" 3/4 - 14" 3/8
Fluid Circulation Pump Pompe de Circulation de Fluide	l/min. gal/min.		300 79.2	-
Wire-line winch Treuil Wire-line	m ft		2.600 8,530	-
On Board Compressor Compresseur à bord	Max. Flow	l/sec. cfm	-	672 1424
	Max. Pressure	bar psi	-	35 507





EXPLORATION DRILLING EQUIPMENT



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