

**CAISSON CONSULTANT INC. -YTR Drill Rig Spec, units in imperial Standard**

	<b>Rig Model</b>	<b>YTR120</b>	<b>YTR200</b>	<b>YTRD200</b>	<b>YTR230</b>	<b>YTRD230</b>	<b>YTR260</b>	<b>YTRD260</b>	<b>YTRD300</b>	<b>YTRD400</b>
Engine	Engine	CAT	CAT	CAT	CAT	CAT	CAT	CAT	CAT	CAT
	Engine Type	C6.4	C7 , EFI	C7 , EFI	C9,EFI	C9, EFI	C9, EFI	C9, EFI	C-13, EFI	C-15, EFI
	Engine Poewr, HP	148	251	251	286	286	350	350	371	469
Rotary Head	Max. Torque Lb-ft	94,400	150,000	150,000	173,000	173,000	196,000	196,000	229,000	280,000
	Max. Dirilling Speed	8 ~ 32	7 ~ 28	7 ~ 28	7 ~ 28	7 ~ 28	7 ~ 28	7 ~ 28	6 ~ 23	6 ~ 23
	Max. Spin-off speed rpm	100	80	80	80	80	Optional	Optional	Optional	Optional
Crowd	Max. Push force, Lbf	26,976	33,720	58,448	42,712	67,440	48,332	67,440	89,920	98,912
	Max. Pull force, Lbf	29,224	37,092	58,448	47,208	67,440	51,704	67,440	89,920	98,912
	stroke, in	138	197	512	210	571	210	591	591	630
Undercarriage	Overall Length, in	157	169	169	181	181	181	181	197	231
	Track Shoe Width, in	31	31	31	31	31	31	31	35	39
	Width (after extension), in	169	169	169	169	169	169	169	177	217
Main Winch	Pull force,Lb	33,495	47,208	47,208	47,208	47,208	60,696	60,696	67,440	80,703
	Wire Diameter, in	1	1.1	1.1	1.1	1.1	1.25	1.25	1.25	1.5
	Max. pulling speed, ft/min	266	253	253	253	253	262	262	236	213
	Location	front	front	rear	rear	rear	rear	rear	rear	rear
Auxiliary Winch	Pull force,Lb	13,938	26,976	26,976	26,976	26,976	26,976	26,976	26,976	26,976
	Wire Diameter, in	0.63	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
	Max. pulling speed, ft/min	217	230	230	230	230	230	230	236	236
Mast Inclination Range	Sideward	6°	6°	6°	6°	6°	6°	6°	6°	6°
	Forward	5°	5°	5°	5°	5°	5°	5°	5°	5°
Drilling Data with 4-elements interlocking kelly bar	Max Pile Dia.in	72	72	72	78	72	78	78	98	118
	Pile Depth with standard Kelly bar, ft	112	138	138	157	157	170	170	184	197
	Pile Depth with Optional Kelly bar, ft	125	157	157	184	184	196	196	210	230
Transport Dimension	Length, in	551	591	591	598	598	630	630	393	374
	Width, in	118	118	118	118	118	118	118	118	154
	Height, in	122	128	128	134	134	134	134	130	134
Machine Base	Type	CAT323D	CAT329D	CAT329D	CAT336D	CAT336D	CAT336D	CAT330D	CAT345C	CAT365C
	Traction Force, Lbf	349	496	496	684	684	684	684	952	1202
Total Weight	in Operation, Lb	99,208	138,891	143,000	160,937	165,347	171,961	176,370	198,416	286,601