



Cat[®] Tiltrotators

TRS10, TRS14, TRS18

Technical Specifications

Not all attachments available in all regions. Consult your Cat[®] dealer for specific configurations available in your region.

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Tiltrotators Technical Specifications

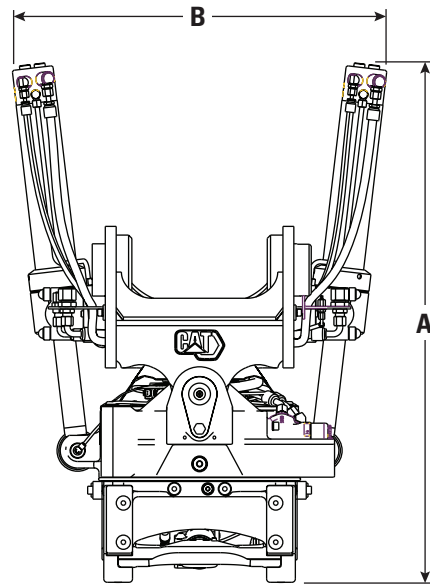
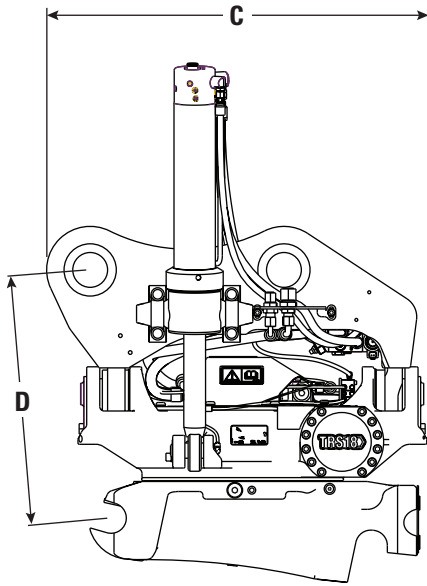
Specifications

Models do not include lifting hook.

Model	Part Number	Top Interface	Bottom Interface	Machine Class, Minimum		Machine Class, Maximum		Weight		Maximum Standard Bucket Capacity		Maximum Bucket Width	
				t	lb	t	lb	kg	lb	m ³	yd ³	mm	in
TRS10	622-1952	Pin-on	S60	11	24,250	16	35,274	446	983	0.80	1.05	1600	63
TRS14	622-1954	Pin-on	S60	14	30,864	19	41,887	574	1,265	1.00	1.31	1700	68
TRS18	622-1955	Pin-on	S70	18	39,683	24	52,910	679	1,497	1.10	1.44	1800	71

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Dimensions



Model	Part Number	Top Interface	Bottom Interface	(A) Total Height		(B) Total Width		(C) Total Length		(D) Building Height	
				mm	in	mm	in	mm	in	mm	in
TRS10	622-1952	Pin-on	S60	1046	41	719	28	791	31	530	21
TRS14	622-1954	Pin-on	S60	1163	46	815	32	848	33	570	22
TRS18	622-1955	Pin-on	S70	1200	47	870	34	875	34	570	22

All images are representative of the tool.

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Hydraulic Specifications

Model	Turning Torque at 25 Mpa	Turning Torque at 3626 psi	Tilt Torque at 25 Mpa	Tilting Torque at 3626 psi	Flow for Rotation Speed	
	N·m	ft·lb	N·m	ft·lb	L/min	gpm
TRS10	7640	5,635	38600	28,470	58	15.32
TRS14	9550	7,044	45100	33,264	72	19.02
TRS18	9550	7,044	56600	41,746	72	19.02

Model	Part Number	Top Interface	Bottom Interface	Tilt Angle, Left and Right	Rotation Speed, 1 Full Rotation	Working Pressure		Recommended Maximum Oil Flow	
				degrees	seconds	Mpa	psi	L/min	gpm
TRS10	622-1952	Pin-on	S60	40	7	25	3626	91	24.0
TRS14	622-1954	Pin-on	S60	40	7	25	3626	111	29.3
TRS18	622-1955	Pin-on	S70	40	7	25	3626	121	32.0

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Machine Matching

Configurations and features may vary by region. Please consult your Cat dealer for availability in your area.

Match

No Match

	TRS10	TRS14	TRS18
Wheeled Excavators			
M314	✓		
M315	✓		
M316		✓	
M317		✓	
M318		✓	
M319		✓	
M320			✓
M322			✓
Tracked Excavators			
313	✓		
315	✓		
317		✓	
320			✓
323			✓
325			✓

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Grapple Modules

Grapple modules are optional and do not impact the Tiltrotator's machine matches.

Model	Part Number	Top Interface	Bottom Interface	Optional Grapple Module	Retrofit Positioning System Kit (RPS)
TRS10	622-1952	Pin-on	S60	512-3108	540-2979
TRS14	622-1954	Pin-on	S60	512-3108	540-2979
TRS18	622-1955	Pin-on	S70	512-3107	540-2979

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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