



### TRUCK CRANES T 560

DATA SHEET - IMPERIAL

# T 560



#### Features:

- ▶ 60 T Maximum Lifting Capacity
- ▶ 110 ft Maximum Boom Length
- ▶ 170 ft Maximum Tip Height
- ▶ Engine Configurations up to 430 hp
- Automatic and Manual Transmission Options
- Air-ride Suspension
- Travel Speeds up to 65 mph

**WORKS FOR YOU.** 



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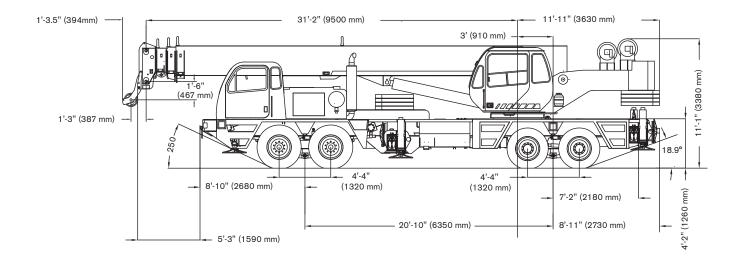


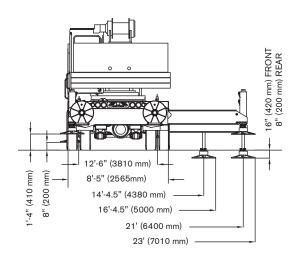
**KEY** T 560

	Counterweight		Main boom with auxiliary head / rooster sheave
	Lifting capacity on outriggers	2	Auxiliary hoist
	Radius		Hook and ball
1/7	Main boom	( <del>+</del> )	Swing brake
	Maximum axle loads	<u> </u>	Heating and air conditioning
0	Tires		Crane in standard configuration
	Hook block		Load limiter / safety devices
1	Main hoist		Engine
	Travel speed	==	Electrical system
	Gradeability – road	<b>(Q)</b>	Transmission
<b>(</b> ∞ <b>)</b>	Swing	ğ t	Rated weight on hook block
	Boom telescoping		Boom over the rear
lb •	Maximum line pull	1-1	Steering
	Rope diameter	HYDR	Hydraulics
	Rope length		Hook block (capacity-sheaves-rope diameter)



# **CRANE DIMENSIONS**









# **SPECIFICATIONS**

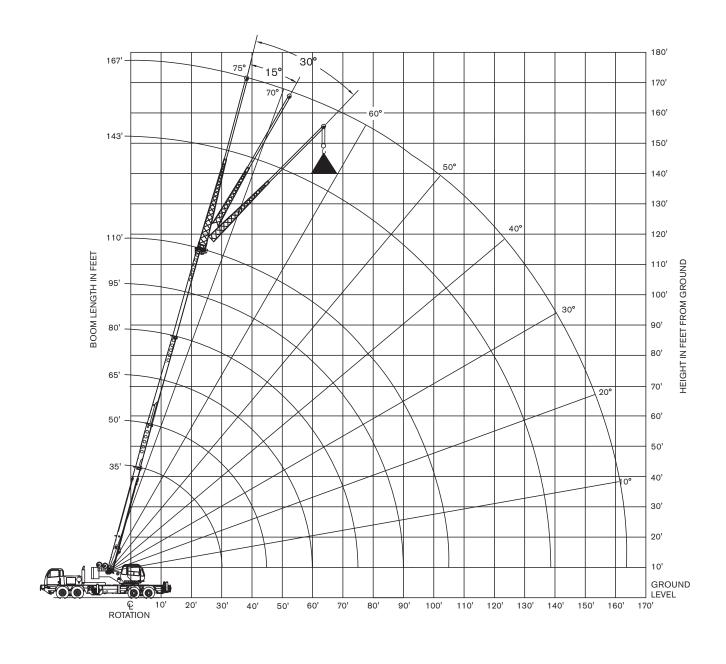
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# **Weight And Axle Load Chart: Boom In Front Travel Position**

Icon	Configuration	Front Axle Load 48,000 Lbs Max	Rear Axle Load 60,000 Lbs Max	Gross Vehicle Weight
	Crane with 1/4 tank fuel 200 lb Operator seated in cab Front Tires: 425/65 R22.5 Rear Tires: 11R22.5 14 Load Range G 20PR 110 ft Boom no jib 4,500 lb rear counterweight	33,512	38,311	71,824
	Counterweight Additions:			
	3,000 lb Counterweight on rear	- (1,102)	+ 4,102	+ 3,000
	4,000 lb Counterweight on rear	- (1,470)	+ 5,470	+ 4,000
	5,000 lb Counterweight on rear	- (1,837)	+ 6,387	+ 5,000
	3,000 lb Counterweight on crane deck	+ 1,974	+ 1,026	+ 3,000
	4,000 lb Counterweight on crane deck	+ 2,633	+ 1,367	+ 4,000
	5,000 lb Counterweight on crane deck	+ 3,291	+ 1,709	+ 5,000
	Other Additions:			
	Full tank of fuel	+ 244	+ 301	+ 545
<u> </u>	Air conditioning in upper cab	- (8)	+ 158	+ 150
<u> </u>	Heater/defroster in upper cab	+ 4	+ 56	+ 60
<u> </u>	Air conditioning in lower cab	+ 112	- (12)	+ 100
2	Auxiliary hoist w/drum roller and 600 ft of 16x9 class wire rope	+ 51	+ 36	+ 87
	Spin resistant wire rope – main hoist	- (19)	+ 109	+ 90
	Spin resistant wire rope – auxiliary hoist	- (27)	+ 117	+ 90
= +	Electric remote control	+ 100	+ 100	+ 200
	32 ft swing-on jib	+ 1,194	+ 76	+ 1,270
	32 ft to 57 ft extendable swing-on jib	+ 1,922	+ 248	+ 2,170
	Auxiliary boom head	+ 168	- (68)	+ 100
1	80 T hook block on bumper 5 sheave, quick reeving	+ 1,839	- (688)	+ 1,157
<u>3</u>	40 T hook block on bumper 4 sheave, quick reeving	+ 1,104	- (412)	+ 690
<u>\$</u>	7 T hook and ball on bumper	+ 383	+ 143	+ 340



# **RANGE DIAGRAM**







### T 560

	11,500 lb	100%	(	∘ <b>)</b> 360°	35 to 110 ft	ASMES B 30.5	Standard
			Boom L	ength (ft)			
/ <del>/~</del> 8	35	50	65	80	95	110	/4 <b>←</b> \$
ft	lb	lb	lb	lb	lb	lb	ft
10	120,000	80,000					10
12	98,500	80,000					12
15	80,800	78,400	61,900				15
20	60,400	61,600	54,800	46,200			20
25	46,200	47,600	48,200	40,700	35,300		25
30	32,400	34,200	34,800	35,100	31,100	27,500	30
35		25,600	26,200	26,500	26,700	24,800	35
40		19,800	20,500	20,800	21,000	21,200	40
45		15,600	16,500	16,800	17,000	17,100	45
50		12,700	13,400	13,800	14,000	14,100	50
55			11,000	11,400	11,600	11,800	55
60			9,000	9,500	9,800	9,900	60
65			8,300	7,900	8,200	8,400	65
70				6,600	6,900	7,100	70
75				5,400	5,800	6,000	75
80					4,900	5,100	80
85					4,000	4,300	85
90					3,300	3,500	90
95						2,900	95
100						2,300	100
105						1,800	105

	11,500 lb	100%	6	Over Rear	35 to 110 ft	ASME S B 30.5	tandard	
	Boom Length (ft)							
/4 <del>~</del> \$	35	50	65	80	95	110		
ft	lb	lb	lb	lb	lb	lb	ft	
10	120,000	80,000					10	
12	106,800	80,000					12	
15	83,700	78,400	61,900				15	
20	60,400	61,600	54,800	46,200			20	
25	46,200	47,600	48,200	40,700	35,300		25	
30	36,600	38,100	38,800	36,000	31,100	27,500	30	
35		31,400	32,000	32,200	28,000	24,800	35	
40		26,200	27,000	27,400	25,200	22,500	40	
45		22,200	23,000	23,400	23,100	20,600	45	
50			19,200	19,600	19,800	18,800	50	
55			16,100	16,600	16,800	16,900	55	
60			13,600	14,200	14,400	14,500	60	
65				12,200	12,400	12,600	65	
70				10,500	10,800	11,000	70	
75				9,000	9,400	9,600	75	
80					8,200	8,400	80	
85					7,100	7,400	85	
90					6,200	6,400	90	
95						5,600	95	
100						4,900	100	
105						4,200	105	

### Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

**Note:** Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.



11,500 lb	100%	<b>(</b> ∞ <b>)</b> 360°	ASME Standard B 30.5

33 ft Jib with Pullout								
C	)°	1.	15°		0°			
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs			
39	12,500	48	8,500	54	6,400			
44	11,800	53	8,100	59	6,200			
49	11,200	58	7,800	63	6,100			
57	10,300	65	7,500	70	5,900			
64	9,000	71	7,100	77	5,900			
71	7,500	78	6,500	83	5,600			
78	6300	84	5,500	88	5,200			
86	4,900	92	4,400	96	4,200			
94	3,700	99	3,500	102	3,300			
101	2,900	105	2,800	108	2,600			
107	2,200	111	2,100	114	2,000			
114	1,600	118	1,500	119	1,400			
122	900	125	900	125	800			
129		131						
135		136						

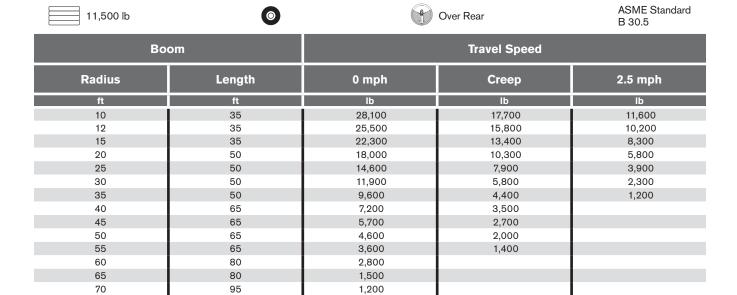
11,500 lb	100%	<b>∞</b> 360°	ASME Standard B 30.5
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57 ft Jib with Pullout								
0	°	15°		30°				
Load Radius ft	360° Ibs	Load Radius ft	360° lbs	Load Radius ft	360° lbs			
47	6,500	64	4,500	73	3,300			
54	6,400	69	4,300	78	3,200			
60	6,200	75	4,100	83	3,100			
69	6,000	83	3,900	90	3,000			
78	5,400	90	3,700	97	2,900			
86	4,900	97	3,500	103	2,800			
94	4,500	104	3,300	109	2,700			
104	3,600	113	3100	117	2,600			
113	2,800	120	2,600	124	2,400			
121	2,100	128	2,000	130	1,900			
128	1,600	134	1,500	136	1,400			
136	1,100	141	1,000	142	900			
144		148		149				
152		155						
159		160						





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#### **Notes to lifting capacity**



	7,000 lb	100%		360°	35 to 110 ft	ASME S B 30.5	tandard	
	Boom Length (ft)							
// <del></del> *	35	50	65	80	95	110		
ft	lb	lb	lb	lb	lb	lb	ft	
10	120,000						10	
12	96,800	80,000					12	
15	79,100	78,400	61,900				15	
20	58,300	59,600	54,800	46,200			20	
25	41,300	42,800	43,500	40,700	35,300		25	
30	28,100	29,900	30,500	30,800	31,000	27,500	30	
35		22,200	22,800	23,100	23,300	23,500	35	
40		17,000	17,700	18,000	18,200	18,400	40	
45		13,200	14,100	14,400	14,600	14,700	45	
50			11,300	11,700	11,900	12,000	50	
55			9,100	9,600	9,800	9,900	55	
60			7,300	7,900	8,100	8,200	60	
65				6,400	6,700	6,800	65	
70				5,200	5,500	5,700	70	
75				4,200	4,500	4,700	75	
80					3,700	3,900	80	
85					2,900	3,200	85	
90					2,200	2,500	90	
95						1,900	95	
100						1,400	100	
105						900	105	

	7,000 lb	100% Over Rear		ASMES B 30.5	Standard			
A		Boom Length (ft)						
/4 <del>4</del> \$	35	50	65	80	95	110		
ft	lb	lb	lb	lb	lb	lb	ft	
10	120,000	80,000					10	
12	103,400	80,000					12	
15	81,000	78,400	61,900				15	
20	58,300	59,600	54,800	46,200			20	
25	44,600	45,900	46,600	40,700	35,300		25	
30	35,300	36,800	37,400	36,000	31,100	27,500	30	
35		30,200	30,900	31,300	28,000	24,800	35	
40		24,700	25,400	25,700	25,200	22,500	40	
45		19,800	20,700	21,000	21,200	20,600	45	
50			17,100	17,500	17,700	17,800	50	
55			14,200	14,700	14,900	15,000	55	
60			11,900	12,500	12,700	12,800	60	
65				10,600	10,900	11,000	65	
70				9,100	9,400	9,500	70	
75				7,700	8,100	8,300	75	
80					7,000	7,200	80	
85					6,000	6,200	85	
90					5,100	5,400	90	
95						4,600	95	
100						3,900	100	
105						3,300	105	







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7,000 lb		100% (S) 360°			ASME Standard B 30.5				
33 ft Jib with Pullout									
0	•	15	5°	30°					
Load Radius ft	360° lbs	Load Radius ft	360° lbs	Load Radius ft	360° lbs				
39	12,500	48	8,500	54	6,400				
44	11,800	53	8,100	59	6,200				
50	11,200	58	7,800	64	6,100				
57	10,100	65	7,500	70	5,900				
65	8,000	72	6,700	76	5,900				
72	6,300	78	5,500	83	5,000				
78	5,100	84	4,500	88	4,100				
86	3,800	92	3,400	95	3,100				
94	2,900	99	2,600	102	2,400				
101	2,100	106	1,900	108	1,800				
107	1,500	111	1,400	114	1,300				
114		118		120					
122		125		126					
129		131							
135		136							

7,000 lb	100%	(∞) 360°	ASME Standard B 30.5
	57 ft Jib with	Pullout	
0°	15°		30°
•			

C	)•	1	5°	3	0°
Load Radius ft	360° Ibs	Load Radius ft	360° lbs	Load Radius ft	360° lbs
47	6,500	63	4,500	73	3,300
54	6,400	69	4,300	79	3,200
60	6,200	74	4,100	84	3,100
69	6,000	82	3,900	91	3,000
78	5,400	90	3,700	98	2,900
86	4,600	97	3,500	105	2,800
94	3,800	104	3,200	111	2,700
104	2,900	112	2,400	118	2,300
112	2,100	120	1,800	126	1,700
120	1,500	127	1,300	132	1,300
128	900	134	900	137	800
136		141		143	
144		148		149	
152		155			
158		160			

### Notes to lifting capacity



7,000 lb	Over Rear	ASME Standard B 30.5
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В	oom		Travel Speed	
Radius	Length	0 mph	Creep	2.5 mph
ft	ft	lb	lb	lb
10	35	29,100	18,700	12,700
12	35	26,500	16,800	11,100
15	35	23,200	14,300	9,200
20	50	18,700	11,100	6,600
25	50	14,000	8,500	4,600
30	50	10,900	6,400	2,900
35	50	8,400	5,000	1,800
40	65	6,400	4,000	1,100
45	65	4,900	3,100	
50	65	3,800	2,400	
55	65	2,900	1,800	
60	80	2,200	1,200	
65	80	1.600		





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	4,000 lb	100%	( <sub>∞</sub> '	) 360°	35 to 110 ft	ASME S B 30.5	Standard
	Boom Length (ft)						
// <del></del> *	35	50	65	80	95	110	// <b>←</b> §
ft	lb	lb	lb	lb	lb	lb	ft
10	120,000	80,000					10
12	95,200	80,000					12
15	77,600	78,400	61,900				15
20	56,800	58,100	54,800	46,200			20
25	38,700	40,200	40,900	40,700	35,300		25
30	26,100	27,900	28,500	28,800	29,000	27,500	30
35		20,600	21,200	21,500	21,700	21,800	35
40		15,600	16,300	16,600	16,800	17,000	40
45		12,000	12,900	13,200	13,400	13,500	45
50			10,200	10,600	10,800	10,900	50
55			8,100	8,600	8,800	8,900	55
60			6,400	7,000	7,200	7,300	60
65				5,600	5,900	6,000	65
70				4,400	4,800	4,900	70
75				3,400	3,800	4,000	75
80					3,000	3,200	80
85					2,300	2,500	85
90					1,600	1,900	90
95						1,300	95
100		l		I	1 1	800	100

	4,000 lb	100%		Over Rear	35 to 110 ft	ASME S B 30.5	Standard
	Boom Length (ft)						
/ <del>/~</del> ³	35	50	65	80	95	110	
ft	lb	lb	lb	lb	lb	lb	ft
10	120,000	80,000					10
12	100,900	80,000					12
15	78,900	78,400	61,900				15
20	56,800	58,100	54,800	46,200			20
25	43,400	44,700	45,300	40,700	35,300		25
30	34,200	35,700	36,400	36,000	31,100	27,500	30
35		29,300	29,900	30,200	28,000	24,800	35
40		22,900	23,700	24,000	24,200	22,500	40
45		18,300	19,200	19,500	19,700	19,800	45
50			15,800	16,200	16,400	16,500	50
55			13,100	13,600	13,800	13,900	55
60			10,900	11,500	11,700	11,800	60
65				9,700	10,000	10,100	65
70				8,200	8,600	8,700	70
75				6,900	7,300	7,500	75
80					6,300	6,500	80
85					5,300	5,600	85
90					4,500	4,800	90
95						4,000	95
100						3,400	100
105						2,800	105

#### Notes to lifting capacity

Lifting capacities do not exceed 85% of tipping load. Weight of hook blocks and slings is part of the load, and is to be deducted from the capacity ratings. Consult operation manual for further details.

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4,000 lb	•	Over Rear	ASME Standard B 30.5
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В	oom		Travel Speed	
Radius	Length	0 mph	Creep	2.5 mph
ft	ft	lb	lb	lb
10	35	29,900	19,500	13,500
12	35	27,200	17,500	11,900
15	35	23,800	15,000	9,900
20	50	19,300	11,700	7,200
25	50	13,500	9,100	5,100
30	50	9,600	6,900	3,400
35	50	7,200	5,400	2,200
40	65	5,400	4,400	1,400
45	65	4,100	3,500	
50	65	3,000	2,700	
55	65	2 300	2 100	





### **TECHNICAL DESCRIPTIONS**

T 560

### **Hydraulics**

Three pump system

Main boom hoist and telescope tandem pump

Outrigger and swing

Power steering

Simultaneous operation of hydraulic functions

Two-speed boom extension

Full flow with bypass protection

Suction

Return

250 micron screen 5 micron filter

60.3 /45.1 gal/min @ 3,500 psi

22 gal/min 2,500 psi

8 gal/min @ 1,500 psi

Pressurized tank with sight level gauge 117 gal

### **Upper Operator Cab**

Upper cab

Sliding door on left side

Sliding window on the right side

Tilting, tinted glass skylight

Removable front windshield

Six-way adjustable seat with armrest dual-axis electro-proportional joysticks

Joystick control for hoist(s), swing and boom elevation

Foot pedals for swing brake, boom telescope and engine rpm

Hand control for engine rpm

Optional features for upper cab

Air conditioning – hydraulically powered

Heater and air conditioning package - hydraulically powered

Liquid propane (LP) cab heater

Single-axis armrest mounted controls

Work lights

Upper cab remote carrier control

AM/FM radio with cassette

Rated capacity indicator with pictograph display of boom radius, boom angle,

boom length, allowable load, actual load and % of allowable load

Settable alarms for swing angle, boom length, boom angle, tip height and

work area exclusion zone

### **Boom Controls**



Foot pedal actuated multi-disc brake and air actuated 360° house lock



Hydraulic driven double planetary reduction gear drive

2.8 rev/min

### **Counterweight**



Main counterweight with integrated hydraulic removal system is bolted to upper crane structure

Hydraulic system allows weights to be removed and attached without additional lifting equipment for placement on carrier deck

11,500 lb counterweight package



### **TECHNICAL DESCRIPTIONS**

### **Hoists and Rope**

1	Two speeds First layer (no load speed) Fifth layer (no load speed)	Low Speed: 184 ft/min 266 ft/min	High Speed: 369 ft/min 533 ft/min
lb -	First layer Fifth layer	Low Speed: 15,639 lb 10,827 lb	High Speed: 10,827 lb 5,052 lb
1	Permissible line pull		9,000 lb
			6x19 IWRC IPS
	Maximum useable		561 ft
	Rope diameter		0.625 in
2	Two speeds Fifth layer (no load speed)		High Speed: 533 ft/min
16	First layer		Low Speed: 15,639 lb
2	Permissible line pull		9,000 lb
	Optional		otation resistant, ed strand 18x19
	Optional		0.625 in

### **Engine and Transmission**

#### Standard Engine and Transmission Detroit Diesel 60 Series turbocharged and aftercooled 12.7 l / 430 hp 10 speed manual Eaton Fuller **Optional Engine and Transmission** Detroit Diesel 60 Series turbocharged and aftercooled 12.7 l / 430 hp 7 speed with lock-up torque converter Allision automatic 100 gal Fuel capacity Voltage 12 VDC Batteries Three 950 CCA Alternator 130 amp

### **Lower Operator Cab**





Hinged door on left side with roll-down window Sliding window on the right side Six-way adjustable seat with seatbelt Cruise control

Two speed windshield wiper with washer Jacobs engine brake





# **TECHNICAL DESCRIPTIONS**

T 560

### **Chassis and Related Components**

Ollabolo al	na noiatoa componente	
1-1	Turn radius	42 ft 8 in turn radius to CL of tires
	Front axle – maximum capacity Tubular beam with equalizer air suspension mounting Rear axle – maximum capacity Interaxle differential with lock-out Equalizer beam air suspension mounting	45,600 lb 43,000 lb
•	Aluminium wheels with stainless hub covers Front Rear	425/65R22.5-18 PR 11 R22.5-14 PR
	Theoretical maximum Manual transmission Automatic transmission	100 +% 100 +%
Ġ <b>i</b> Ġ	Manual transmission Automatic transmission Axle drive system Air brakes with ABS	65 mph 65 mph 8x4 drive Air release / spring set

### **Boom and Components**

	•	
	Full power extension via foot pedal control	Four Section
	Retracted boom length Extended boom length Maximum tip height	35 ft 110 ft 114 ft
	Raised – maximum Lower – minimum	+76° -4°
M	Optional Swing-On Jib – Fixed length – can be offset to 0°, 15°, or 30° Maximum tip height with fixed jib Swing-On Jib – adjustable length – can be offset to 0°, 15°, or 30° Maximum tip height with extended jib	33 ft 145 ft 33 ft to 57 ft 169 ft
	Idler sheaves Quick reeving design	
	Installs only on main boom head Compatible with extendable and fixed swing-on jibs	Single nylon sheave
	5 metallic sheaves Quick reeving design	60 T
	Optional 5 metallic design	40 T
\$	Top swivel ball with hook and latch	7 T

NOTES	T 560





### www.terexcranes.com

Effective Date: October 2010. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries. © 2010 Terex Corporation.

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