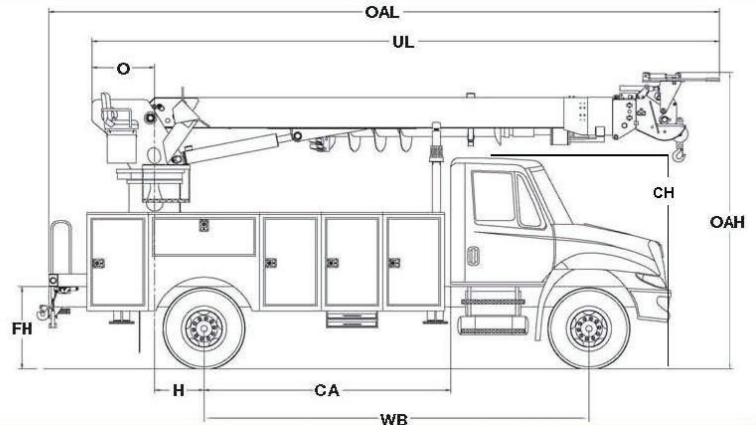


## DIGGER DERRICK

Terex® Telelect Digger Derricks are known throughout the industry. They come with a long history featuring quality and innovative design.

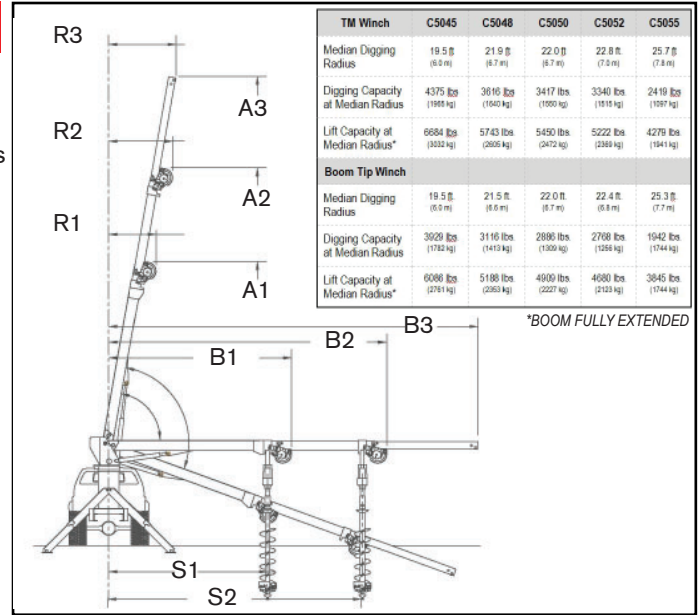


Measurements	Commander 5045	Commander 5048	Commander 5050	Commander 5052	Commander 5055
<i>(Minimum Recommendations)</i>	ORA / BC / CMT	ORA / BC / CMT	ORA / BC / CMT	ORA / BC / CMT	ORA / BC / CMT
Typical Frame Height (FH)	40 in. (101.6 cm)	40 in. (101.6 cm)	40 in. (101.6 cm)	40 in. (101.6 cm)	40 in. (101.6 cm)
Typical Cab Height (CH)	112 in. (284.5 cm)	112 in. (284.5 cm)	112 in. (284.5 cm)	112 in. (284.5 cm)	112 in. (284.5 cm)
Offset (O)	30.5 in. (77.5 cm)	30.5 in. (77.5 cm)	30.5 in. (77.5 cm)	30.5 in. (77.5 cm)	30.5 in. (77.5 cm)
Overall Height (OAH)	12' 0" 12' 0" 11' 2" (3.7 m) (3.7 m) (3.4 m)	12' 0" 12' 0" 11' 2" (3.7 m) (3.7 m) (3.4 m)	12' 0" 12' 0" 11' 2" (3.7 m) (3.7 m) (3.4 m)	12' 0" 12' 0" 11' 2" (3.7 m) (3.7 m) (3.4 m)	12' 0" 12' 0" 11' 2" (3.7 m) (3.7 m) (3.4 m)
Overall Length (OAL)	24' 8" 32' 4" 23' 4" (7.5 m) (9.8 m) (7.1 m)	26' 8" 34' 4" 25' 4" (8.1 m) (10.5 m) (7.7 m)	26' 8" 34' 4" 25' 4" (8.1 m) (10.5 m) (7.7 m)	26' 8" 34' 4" 25' 4" (8.1 m) (10.5 m) (7.7 m)	29' 8" 37' 4" 28' 4" (9.0 m) (11.4m) (8.6 m)
Unit Length (UL)	23' 6" (7.2 m)	25' 6" (7.8 m)	25' 6" (7.8 m)	25' 6" (7.8 m)	28' 6" (8.7 m)
Center of Rotation (H)	24" 111.5" 61" (61 cm) (283.2 cm) (155 cm)	24" 111.5" 61" (61 cm) (283.2 cm) (155 cm)	24" 111.5" 61" (61 cm) (283.2 cm) (155 cm)	24" 111.5" 61" (61 cm) (283.2 cm) (155 cm)	24" 111.5" 61" (61 cm) (283.2 cm) (155 cm)
Cab to Axle (CA)	120" 138" 102" (304.8 cm) (350 cm) (259 cm)	120" 138" 102" (304.8 cm) (350 cm) (259 cm)	120" 138" 102" (304.8 cm) (350 cm) (259 cm)	120" 138" 102" (304.8 cm) (350 cm) (259 cm)	120" 150" 102" (304.8 cm) (381 cm) (259 cm)
Wheel Base (WB)	192" 210" 174" (487.7 cm) (533.4 cm) (442 cm)	192" 210" 174" (487.7 cm) (533.4 cm) (442 cm)	192" 210" 174" (487.7 cm) (533.4 cm) (442 cm)	192" 210" 174" (487.7 cm) (533.4 cm) (442 cm)	192" 222" 174" (487.7 cm) (563.9 cm) (442 cm)
Front Axle (FA)	12,000 lb. (5,443 kg)	12,000 lb. (5,443 kg)	12,000 lb. (5,443 kg)	12,000 lb. (5,443 kg)	12,000 lb. (5,443 kg)
Rear Axle (RA)	21,000 lb. 21,000 lb. 34,000 lb. (9,525 kg) (9,525 kg) (15,422 kg)	21,000 lb. 21,000 lb. 34,000 lb. (9,525 kg) (9,525 kg) (15,422 kg)	21,000 lb. 21,000 lb. 34,000 lb. (9,525 kg) (9,525 kg) (15,422 kg)	21,000 lb. 21,000 lb. 34,000 lb. (9,525 kg) (9,525 kg) (15,422 kg)	21,000 lb. 21,000 lb. 34,000 lb. (9,525 kg) (9,525 kg) (15,422 kg)
Gross Vehicle Weight Rating (GVWR)	33,000 lb. 33,000 lb. 46,000 lb. (14,969 kg) (14,969 kg) (20,865 kg)	33,000 lb. 33,000 lb. 46,000 lb. (14,969 kg) (14,969 kg) (20,865 kg)	33,000 lb. 33,000 lb. 46,000 lb. (14,969 kg) (14,969 kg) (20,865 kg)	33,000 lb. 33,000 lb. 46,000 lb. (14,969 kg) (14,969 kg) (20,865 kg)	33,000 lb. 33,000 lb. 46,000 lb. (14,969 kg) (14,969 kg) (20,865 kg)
Recommended Weight for Stability	25,000 lb. (11,340 kg)	25,000 lb. (11,340 kg)	25,000 lb. (11,340 kg)	25,500 lb. (11,567 kg)	25,500 lb. (11,567 kg)
Frame Section Modulus	18.0 in <sup>3</sup>	18.0 in <sup>3</sup>	18.0 in <sup>3</sup>	18.0 in <sup>3</sup>	18.0 in <sup>3</sup>
Frame Yield Strength	50,000 psi	50,000 psi	50,000 psi	50,000 psi	50,000 psi
Frame RBM	900,000 in-lbs	900,000 in-lbs	900,000 in-lbs	900,000 in-lbs	900,000 in-lbs

# COMMANDER 5000 SERIES

## STANDARD EQUIPMENT

- 100 Degrees of Boom Travel (+80 to -20)
- Dual Lift Cylinders
- Self-Aligning Swivel Ball Bushings
- Rectangular, Bi-Axial Epoxy Resin, Filament Wound Fiberglass Booms
- Box Fabricated Steel Lower Boom and Intermediate
- Hydraulic Boom Extension Intermediate & Upper
- Full Pressure Hydraulic Controls
- Full Pressure, Open-Center Hydraulic System
- 50 Gallon Hydraulic Oil Reservoir
- Custom Made Zoned Load Chart
- Continuous Unrestricted Rotation
- 15,000 lb. Turntable Winch
- Meets or Exceeds ANSI A10.31
- Planetary Slip Brake Rotation
- Right-Hand Command Post Controls
- Engine Stop/Start at Lower Controls
- Load Moment Limiter
- Boom Angle Indicator
- Outrigger Interlock
- Moving Outrigger Alarm
- Truck Level Indicator



## CAPACITIES & DIMENSIONAL DATA (Based on a 40 inch Frame Height)

Model	Maximum Capacity	Capacity @ 10 ft. Radius	Sheave Height			Load Radius			Horizontal Reach			Digging Radius	
			A1	A2	A3	R1	R2	R3	B1	B2	B3	S1	S2
<b>CMDR 5045</b> TM Winch	30,000 lb (13,608 kg)	16,050 lb (7,295 kg)	28.9 ft (8.81 m)	37.2 ft (11.3 m)	45.6 ft (13.9 m)	3.1 ft (0.9 m)	4.6 ft (1.4 m)	6.1 ft (1.86 m)	19.1 ft (5.8 m)	27.6 ft (8.4 m)	36.1 ft (11.0 m)	16.1 ft (4.91 m)	24.6 ft (7.5 m)
Boom Tip PG Winch	30,000 lb (13,608 kg)	14,600 lb (6,620 kg)	27.9 ft (8.5 m)	36.2 ft (11.0 m)	45.0 ft (13.7 m)	3.7 ft (1.13 m)	5.1 ft (1.55 m)	6.0 ft (1.83 m)	18.2 ft (5.6 m)	26.7 ft (8.1 m)	35.5 ft (10.8 m)	16.1 ft (4.91 m)	24.6 ft (7.5 m)
<b>CMDR 5048</b> TM Winch	30,000 lb (13,608 kg)	15,350 lb (6,963 kg)	30.8 ft (9.4 m)	39.7 ft (12.1 m)	48.6 ft (14.8 m)	3.4 ft (1.0 m)	5.0 ft (1.5 m)	6.6 ft (2.0 m)	21.1 ft (6.4 m)	30.1 ft (9.2 m)	39.1 ft (11.9 m)	18.1 ft (5.5 m)	27.1 ft (8.2 m)
Boom Tip PG Winch	27,860 lb (12,637 kg)	13,700 lb (6,214 kg)	29.9 ft (9.1 m)	38.7 ft (11.8 m)	48.0 ft (14.6 m)	4.0 ft (1.2 m)	5.6 ft (1.7 m)	6.5 ft (2.0 m)	20.2 ft (6.2 m)	29.2 ft (8.9 m)	38.5 ft (11.7 m)	18.1 ft (5.5 m)	27.1 ft (8.2 m)
<b>CMDR 5050</b> TM Winch	30,000 lb (13,608 kg)	15,300 lb (6,940 kg)	30.8 ft (9.4 m)	40.7 ft (12.4 m)	50.0 ft (15.4 m)	3.4 ft (1.0 m)	5.2 ft (1.6 m)	7.0 ft (2.1 m)	21.1 ft (6.4 m)	31.1 ft (9.5 m)	41.1 ft (12.5 m)	18.1 ft (5.5 m)	28.1 ft (8.5 m)
Boom Tip PG Winch	27,820 lb (12,619 kg)	13,650 lb (6,192 kg)	29.9 ft (9.1 m)	39.7 ft (12.1 m)	49.9 ft (15.2 m)	4.0 ft (1.2 m)	5.7 ft (1.7 m)	6.9 ft (2.1 m)	20.2 ft (6.2 m)	30.2 ft (9.2 m)	40.5 ft (12.3 m)	18.1 ft (5.5 m)	28.1 ft (8.5 m)
<b>CMDR 5052</b> TM Winch	30,000 lb (13,608 kg)	15,260 lb (6,922 kg)	30.8 ft (9.4 m)	41.7 ft (12.7 m)	52.5 ft (16.0 m)	3.4 ft (1.0 m)	5.3 ft (1.6 m)	7.3 ft (2.2 m)	21.1 ft (6.4 m)	32.1 ft (9.8 m)	43.1 ft (13.1 m)	18.1 ft (5.5 m)	29.1 ft (8.8 m)
Boom Tip PG Winch	27,790 lb (12,606 kg)	13,600 lb (6,169 kg)	29.9 ft (9.1 m)	40.7 ft (12.4 m)	51.9 ft (15.8 m)	4.0 ft (1.2 m)	5.9 ft (1.8 m)	7.2 ft (2.2 m)	20.2 ft (6.2 m)	31.2 ft (9.5 m)	42.5 ft (13.0 m)	18.1 ft (5.5 m)	29.1 ft (8.8 m)
<b>CMDR 5055</b> TM Winch	30,000 lb (13,608 kg)	14,400 lb (6,532 kg)	33.8 ft (10.3 m)	44.6 ft (13.6 m)	55.5 ft (16.9 m)	3.9 ft (1.2 m)	5.9 ft (1.8 m)	7.9 ft (2.4 m)	24.1 ft (7.3 m)	35.1 ft (10.7 m)	46.1 ft (14.1 m)	21.1 ft (6.4 m)	32.1 ft (9.8 m)
Boom Tip PG Winch	24,300 lb (11,022 kg)	12,850 lb (5,829 kg)	32.8 ft (10.0 m)	43.6 ft (13.3 m)	54.9 ft (16.7 m)	4.5 ft (1.4 m)	6.4 ft (2.0 m)	7.8 ft (2.4 m)	23.2 ft (7.1 m)	34.2 ft (10.4 m)	45.5 ft (13.9 m)	21.1 ft (6.4 m)	32.1 ft (9.8 m)

## OPTIONAL EQUIPMENT

- Various Digger / Augers
  - Auger Storage Left Side (Typical)
  - Auger Storage Right Side (Subject to Configuration)
- Fiberglass Personnel Platform
  - Liners with or Without Steps
- Various Types of Controls
  - Handle Rack Controls
  - Radio Remote Controls
  - Full Pressure Upper Controls
  - Single Stick "T" Controls
- Engine Stop/Start and Throttle Advance at Top Controls
- Engine Stop/Start at Lower Controls
- Various Types of Throttle Advance at Lower Controls
- Boom Tip Winch
- Material Handling Jibs
- Transferable Pole Flanges
- Various Sizes of Pole Guides
- Pole Guide Interlock
- Hydraulic Tool Outlets
- Pole Puller
- Multi-Part line Components
- Corner Mount Derricks
- Boom Storage Warning Light
- Outrigger Sag Light
- Various Types of Outriggers
- Truck Grounding Cable & Clamp

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