

# POWERWORKERS

Electric 24 Volt Walkie Tugger  
Electric 24 Volt Rider Tugger

CTW  
CTR

8000 lbs 3630 kg  
12000 lbs 5440 kg

**CTW**  
**CTR**

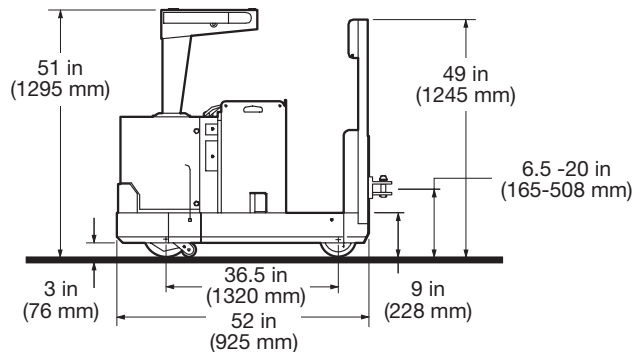
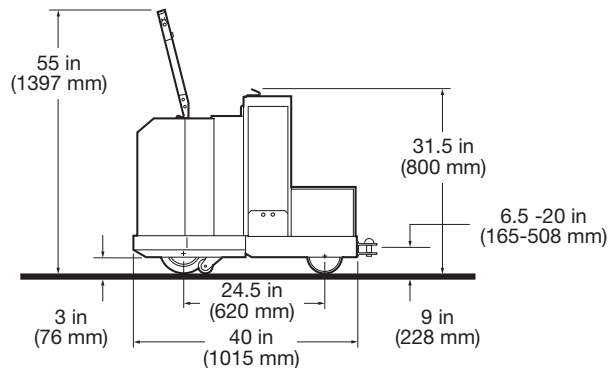
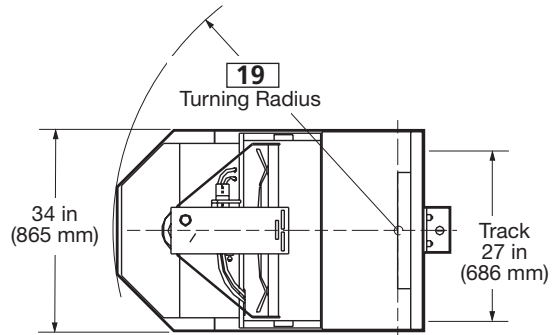
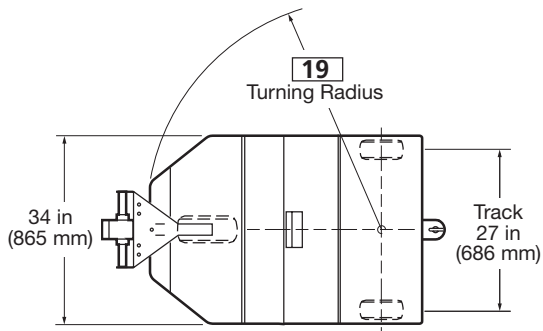


[www.clarkmhc.com](http://www.clarkmhc.com)

General Information	1	Manufacturer		Clark	Clark	
	2	Model	Manufacturer's Designation	CTW	CTR	
	3	Rolling load capacity		lbs(kg)	8000 (3630)	12000 (5440)
		Continuous drawbar pull		lbs(kg)	225 (102)	350 (159)
		Maximum drawbar pull		lbs(kg)	500 (227)	700 (318)
	5	Power Unit	Type		24 volt	24 volt
	6	Operator Type			Walkie tugger	Stand-up tugger
	7	Tire Type	Load/drive		Poly / rubber	Rubber / rubber
Dimensions	8	Wheels (x-driven)	Front/Rear		1x / 2	1x / 2
	9	Chassis	Length	in(mm)	40 (1016)	52 (1320)
			Width	in(mm)	34 (864)	34 (864)
			Height	in(mm)	31.5 (800)	49 (1245)
	19	Turning Radius		in(mm)	35 (890)	47.5 (1205)
Performance	25	Speeds	Travel Speed, Max w/o Load	mph(kph)	3.5 (5.6)	8.5 (13.7)
Weight	34	Service Weight		lbs(kg)	850 (385)	1150 (520)
Chassis	40	Tires	Size, Front	in(mm)	10 x 4 (254 x 100)	10 x 4 (254 x 100)
			Size, Rear	in(mm)	8 x 2 (203 x 50)	8 x 3 (203 x 76)
	41	Wheelbase		in(mm)	24.5 (622)	36.5 (927)
	44	Ground Clearance	Minimum	in(mm)	3 (76)	3 (76)
	46	Service Brake	Type		Wet disc	Wet disc
	47	Parking Brake	Type		Spring applied	Hand applied
		Steering	Type		Pivot arm	"T" handle
Drive Line	48	Battery	Type		Lead acid	Lead acid
	49	Motors, Controls	Drive Motor, diameter	in(mm)	6 (152)	6 (152)
			Drive motor control		Solid state	Solid state
			Speed control		Infinitely variable	Infinitely variable

## CTW

## CTR



## Battery Compartment Dimensions

### For Industrial Battery

Width (W)		Length (L)		Height (H)	
in	mm	in	mm	in	mm
<b>CTW</b>					
31	787	8.13	206	Open	Open
<b>CTR</b>					
31	787	13.13	333	Open	Open

## Truck Capacity

Performances are for trucks with minimum weight industrial battery. Performance may vary +5% or -10% due to motor, tire, drive unit and hydraulic efficiency tolerances and battery weight.

### Notes

Performance may vary +5% and -10% due to motor and system efficiency tolerance. The performance shown represents nominal values which may be obtained under typical operating conditions.

Clark products and specifications are subject to change without notice.

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### ANSI/ASME and Insurance Classification

Standard truck meets all applicable mandatory requirements of ASME-B56.9 Safety Standard for Operator Controlled Industrial Tow Tractors.

## For Your Safety

- **Do not operate this tow tractor unless you are trained and authorized by your employer.**
- **Read the attached operator's manual before starting. If you do not understand it, ask your supervisor for help. Keep the manual with the truck.**
- **Look where you drive. Follow your employer's speed and traffic rules. Make room for people, obstructions, and other hazards. Watch for the clearance of equipment you are towing.**
- **Before getting off, shift to neutral, turn off key, and set parking brake.**
- **Do not operate if damaged or faulty. Do not attempt repair if you are not trained and authorized.**
- **Operate the CTR only from operator platform. Keep hands on proper controls and feet within the CTR compartment.**
- **When operating the CTW, keep feet away from the unit.**
- **Operate on smooth floors only.**
- **Do not carry passengers.**

Contact your Clark dealer for operator training information.

## CTW Handle

- Ergonomic design with dual forward/reverse travel controls for twist operation.
- Reversing switch at the end of the handle is spring loaded and designed to override directional control, automatically reversing the truck on contact.
- Brake is actuated by positioning the handle up of down and is automatically applied when handle is released. When the brake is activated, power to the drive unit is cut off.
- Steering arc is full 186 degrees.

## CTR Handle

- "T" style handle has full 180 degree steering arc.
- Both sides of handle are equipped with forward/reverse levers and brake levers. Horn button and parking brake lever are also within easy reach of the operator.

## Drive Line

- Sealed gear reducer/brake system with internal multi-disc brakes in oil bath eliminates conventional brake problems such as adjustments, drum and/or shoe replacement.
- All gear and brake components protected from exposure to moisture and dirt, packaging, strapping, etc.
- All gears are precision ground helical type
- Drive axle mounted on precision tapered roller bearings

## Solid State Speed Controller

- Controller programmable to allow custom speed and acceleration settings\*
- Smooth stepless acceleration
- Allows battery efficiency and usage to increase up to 50% over resistor controlled units
- Smooth, controlled plugging
- Diagnostic test and fault information\*

\*Available on CTW with 24 volt system only.

## CTW Tires

- 10" x 4" rubber drive tire
- 8" x 2" poly load wheels

## CTR Tires

- 10" x 4" rubber drive tire
- 8" x 3" rubber load wheels

## Available Equipment

- Automatic coupler
- Key switch
- YC connector
- Combination BDI and hour meter
- UL EE construction (CTR only)

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**your authorized CLARK dealer is:**