

CROWN

Specifications

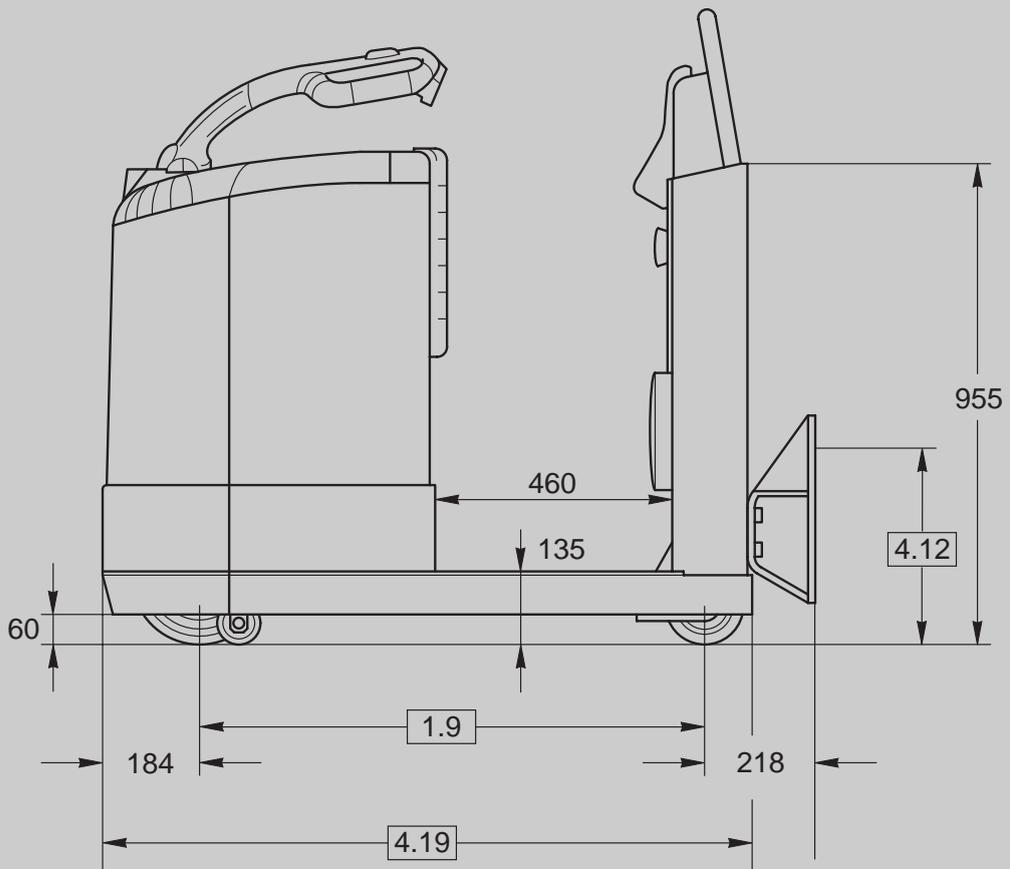
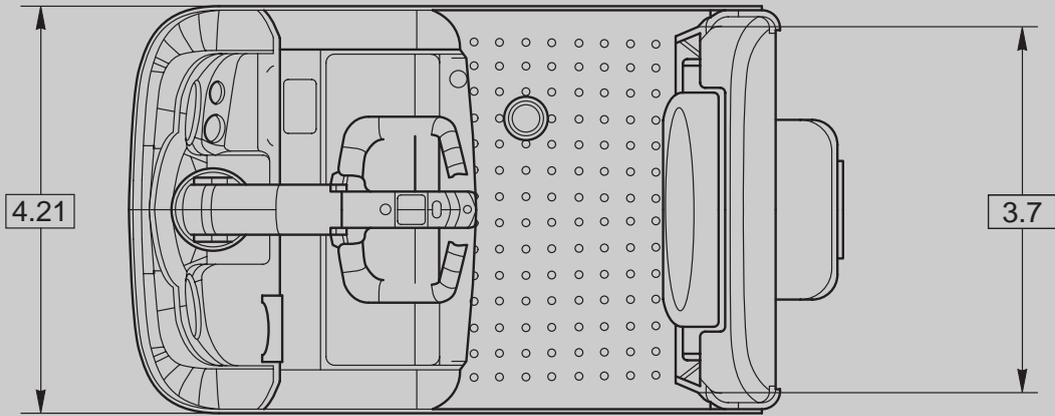
GPC-Tow Series

Tow Tractor

GPC-Tow

Series



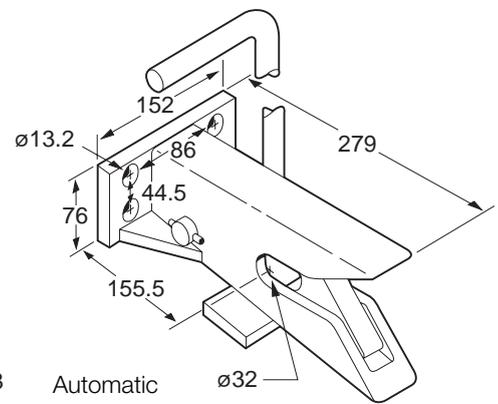
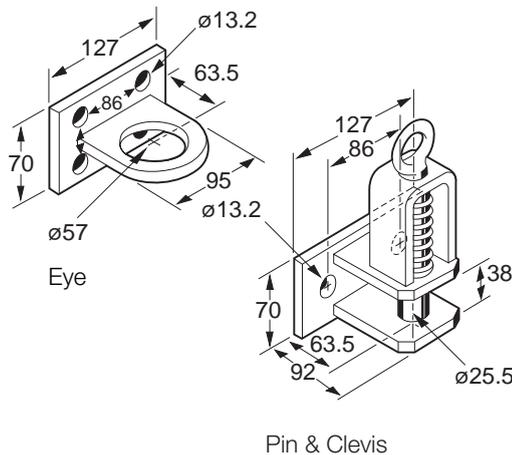
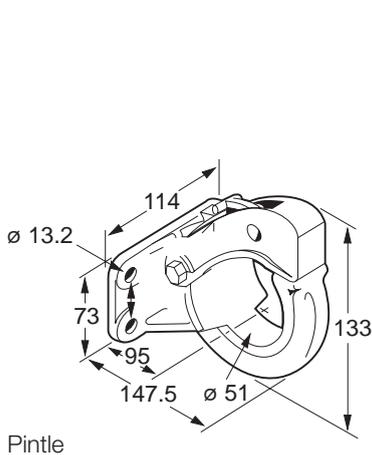


General Informations	1.1	Manufacturer	Crown Equipment Corporation		
	1.2	Model	GPC-Tow		
	1.3	Prime Mover	electric		electric
	1.4	Operator Type			stand
	1.7	Drawbar Pull	min. / max.	N	730 / 2200
	1.8	Rolling Load Capacity		kg	3000
	1.9	Wheel Base		y mm	975
	2.1	Weight	less battery	kg	510
	Tyres	3.1	Tyre Type	Vulkollan / Vulkollan	
3.2		Wheel Size	power unit side	mm	Ø 250 x 70
3.3		Wheel Size	load side	mm	Ø 150 x 60
3.5		Wheels (x = driven)	number front/rear		1 x / 2
3.6		Track Width	power unit side	b10 mm	drive unit central
3.7		Track Width	load side	b11 mm	650
Dimensions		4.12	Tow Hitch Height	h10 mm	
	4.19	Overall Length	l1 mm		≈ 1400
	4.21	Overall Width		mm	780
	4.35	Turning Radius	Wa mm		1160
Perf.	5.1	Travel Speed	w./w.o. load	km/h	7.5 / 11
	5.10	Service Brake			foot pedal
Motors	6.1	Traction Motor	(60 min. rating)	kW	2.0
	6.3	Max. Battery Box Size	lxwxh mm		288 x 628 x 784
	6.4	Battery Voltage	nominal capacity 5h rating	V/Ah	24 / 300-450 Ah HD
	6.5	Battery Weight	minimum	kg	min. 385
	8.1	Type of Controller			transistor

Table Adjustable Hitch Plates

Hitch plate allows all types of hitches to be adjusted in 45 mm increments.

Hitch	Hitch Heights	
	Minimum	Maximum
Automatic	128	365
Pintle	143	365
Eye	143	365
Pin & Clevis	115	388



Standard Equipment

1. Drive unit central.
2. Traction speed control (MOSFET).
3. Stepless variable traction speed forward and reverse.
4. Spring applied, electro magnetic released brake.
5. Horn.
6. Series wound drive and compound lift motor.
7. Emergency power disconnect switch.
8. Battery connector Anderson SBE 160.
9. BDI/Hour meter with travel interrupt.
10. Vulkollan drive tyre, castor and tandem load wheels.
11. DIN - Batteries 24 V DIN 43535, Connection B 3PZS 360 AH; 3PZSH 450.
12. Non-slip mat in operator compartment.
13. Storage in power unit top cover. Additional storage in backrest.
14. Compartment cushion pads for knee and back.

Wheels and Tyres

Vulkollan drive tyre dia 250x75
 Castor Vulkollan load wheel dia 82 x 82.

Electrical System

24 volt electrical system incorporating:

1. Curtis MOSFET controller, micropocessor controlled with on-board service diagnostic capability. This transistor controller provides benefits such as maximum energy efficiency, reduced maintenance and infinite speed control capability.

Fault monitoring system:

Through a fault flash code signalled by an LED, 17 detectable faults can be recognized. Using a hand held control unit, these faults can be displayed digitally. With the hand held unit in the test mode functional test of components is also possible. All controller settings are programmable through this unit. Incorporates storage register for fault history that can be interrogated by service personnel.

2. Robust drive and lift motors provide high reliability and efficiency.
3. Emergency disconnect is easily accessible from all operating positions.
4. Solid state switching ensures high component reliability.
5. Control and power circuits are fused. Distribution panel and controller are short circuit protected.
6. All wiring is colour coded.

Drive System

A heavy duty drive unit is vertically mounted to the frame. The helical input spur gear ensures low drive noise emission. The ring and pinion set is mounted in heavy tapered roller bearings and runs in an oil filled sealed housing. The spring applied / electromagnetic released brake is mounted on the top of the drive motor. The brake is activated by releasing the foot pedal.

Chassis

The chassis is designed with soft round contours to avoid product damage in the event of collisions. The structure has been CAD designed for maximum strength and low deflection. A heavy bumper skirt around the truck minimizes truck damage.

Control Handle / Steering

All control buttons, forward and reverse travel and the horn button are integrated in the handle. The tiller arm can be adjusted to three drive positions. Low steering effort is required to manouver the truck.

Work Platform

The driver platform has a rubber floor mat, soft knee and back pads equipped. Adjustable „butt“ rest in backrest area for operator comfort.

Batteries

Battery can be removed thru the top or rolled out to the side. Battery can be easily accessed by a hinged top cover and removeable side covers.

Safety Regulations

Conforms to European safety standards. Dimensions and performance data given may vary due to manufacturing tolerances. Performance is based on an average size vehicle and is affected by weight, condition of truck, how it is equipped and the conditions of the operating area. Crown products and specifications are subject to change without notice.

