

CROWN

Specifications

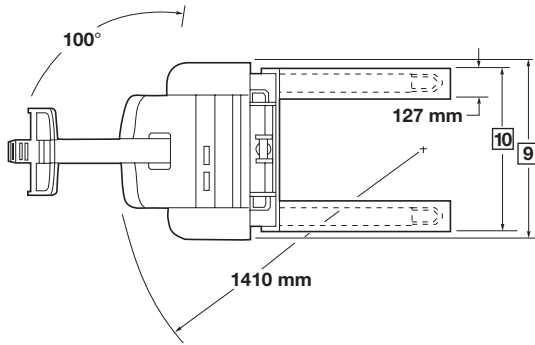
M Series

Walkie
Stacker

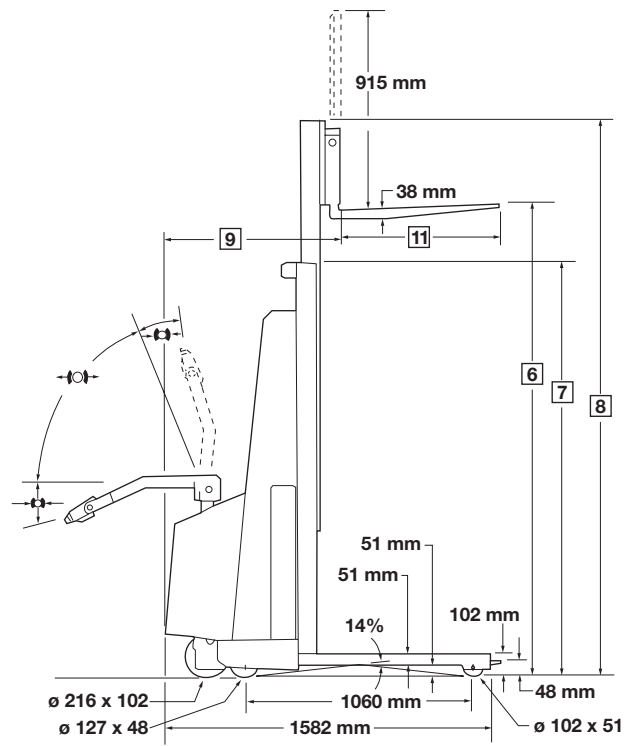
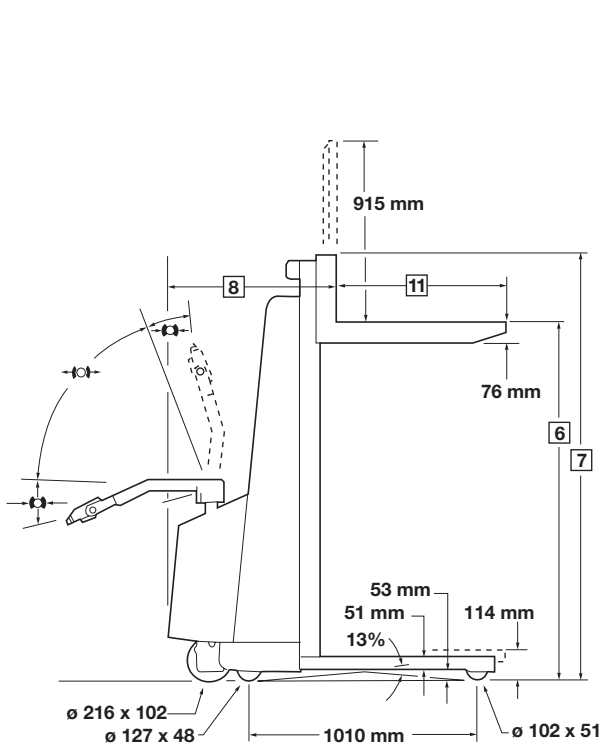
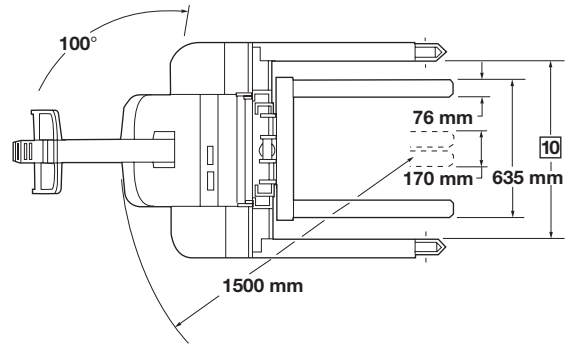
M Series



Model 20M
Fork Over



Model 20MT
Straddle



M Series

Specifications

1	Manufacturer	Crown Equipment Corporation			
2	Model	20M			
3	Load Capacity*	kg	905		
4	Load Center	mm	600		
5	Mast Type		Single		
6	Lifting Height	mm	1700		
7	Collapsed Height	mm	1980		
8	Head Length	mm	800		
	Net Weight with Batteries	kg	450		
9	Overall Baseplate Width	mm	660		
10	Inside / Outside Fork Spread	mm	400 / 660		
11	Fork Lengths	mm	760, 915, 1070 & 1220		
	Overall Length	mm	Head Length (204) + Fork Length (279)		
12	Travel Speed	kph	Three forward and reverse speeds to 4.8		
13	Lift Speed	E/L mps	.13 / .07		
14	Lowering Speed	E/L mps	.07 / .11		
2	Model	20MT			
3	Load Capacity*	kg	905		
4	Load Center	mm	600		
5	Mast Type		Telescopic		
6	Lifting Height	mm	2285	2795	3300
	Free Lift**	mm	1270	1525	1780
7	Collapsed Height	mm	1815	2070	2325
8	Extended Height***	mm	2705	3215	3720
9	Head Length	mm	870	870	870
	Net Weight with Batteries	kg	590	635	660
10	Inside Straddle	mm	Adjustable in 51 mm increments from 815 to 1270 mm		
	Outside Straddle	mm	Inside plus 160		
11	Fork Lengths	mm	760, 915, 1070 & 1220		
12	Fork Adjustment	mm	170 to 635		
13	Travel Speed	kph	Three forward and reverse speeds to 4.8		
14	Lift Speed	E/L mps	.13 / .07		
15	Lowering Speed	E/L mps	.11 / .18		

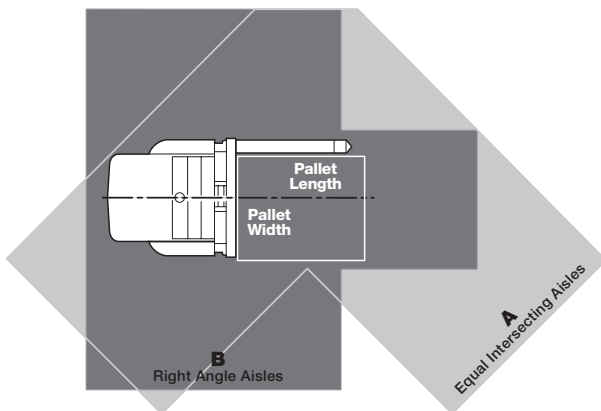
*Attachments and longer load dimensions may result in derating of the capacity. Contact local dealer.

**Without load backrest.

***Add 420 mm if optional load backrest is used.

M Series

Aisle Planning Guide



Straddling Load

Pallet Width		Pallet Length							
		760		915		1070		1220	
		A	B	A	B	A	B	A	B
760	mm	1400	1625	1500	1625	1575	1675	1650	1805
915	mm	1500	1050	1575	1675	1650	1755	1730	1830
1070	mm	1625	1730	1675	1755	1755	1805	1805	1880
1220	mm	1755	1830	1780	1830	1830	1880	1880	1955

Load Over Outriggers

Pallet Width		Pallet Length							
		760		915		1070		1220	
		A	B	A	B	A	B	A	B
760	mm	1270	1600	1370	1625	1450	1675	1525	1730
915	mm	1345	1625	1450	1650	1525	1700	1600	1755
1070	mm	1475	1650	1575	1700	1625	1730	1700	1780
1220	mm	1625	1675	1700	1780	1730	1780	1780	1830

Add 152 mm to all aisle dimensions for maximum maneuverability.

M Series

Technical Information

Capacity

Models 20M and 20MT
905 kg at 600 mm load center

Batteries

Four six-volt three-cell, 17 plate (per cell) lead acid batteries - each rated at 100 amp hours at 20 hour rate, or 87 amp hours at six hour rate.

Charger

Built-in 240-volt 10 amp silicon rectifier type. Automatically tapers to trickle charge.

Standard Equipment

1. 24-volt system
2. Crown manufactured heavy-duty contactors
3. Third speed cutout switch
4. Series wound high-torque drive and lift motor
5. Fused control and drive circuits
6. Power disconnect
7. Key switch
8. Plexiglass mast guard
9. Raise/lower buttons in control handle
10. Adjustable outriggers (MT only)

Optional Equipment

1. Load backrest
2. Polyurethane load, drive and caster wheels
3. Discharge meter
4. Hour meter
5. Wire mesh mast guard

Control Handle

Control handle with dual twist grips which control three speeds forward and reverse. Twist grips return to neutral when released. The handle provides 200° steering and contains a large safety button which reverses the direction of the truck should the button touch the operator. A large horn button is standard equipment, as is a third speed cutoff switch.

Steering

Steering column is mounted on thrust and radial bearings for effortless steering. Steering handle can be turned 100° in either direction. Handle is spring loaded to return to vertical "brake-on" position when released by operator.

Wheels and Tires

Steel caster wheels - 127 dia, 48 mm face. Steel load wheels - 102 dia, 51 mm face as standard. All wheels equipped with roller bearings. Drive tire - 216 x 102 x 102 mm standard pressed-on type rubber.

Hydraulic System

Heavy-duty motor with gear pump, check valve, relief valve and control valve. Flow control valve regulates lowering speed of forks. Lift cylinder with polyurethane packings. Oil reservoir with breather-filter to prevent foreign matter from entering hydraulic system. In-line suction filter to remove foreign matter from hydraulic circuit. Overload valve set to bypass oil to reservoir when system reaches maximum pressure.

Safety Switches

Third speed cutout switch may be used to shut off high speed when operating in congested areas. Third speed cutoff switch on telescopic models shuts off high speed when inner mast extends above "free lift" of forks. Safety interlock switch cuts off drive wheel power when service door is opened for charging and maintenance.

Drive Unit

Spur gear drive direct from motor to drive axle. Gear train is mounted on ball and tapered roller bearings operating in oil inside sealed gear housing. Housing is equipped with magnetic drain plug. Drive unit floats 64 mm to insure traction over uneven floors and on ramps. Heavy coil spring exerts 180 kg pressure on drive wheel for maximum traction.

Outriggers

Heavy steel construction with end contoured around load wheel. Each load wheel axle is rounded to prevent pallet damage.

Carriage Rollers

Alloy steel rollers contoured to fit mast and equipped with roller bearings. Telescopic units have adjustable side-thrust mast rollers.

Mast Guard

Clear, high impact acrylic to help protect operator from chains and cylinder.

Lift Chain

Two alloy steel leaf-type chains

Finish

Beige and dark gray

Other Options

1. Audible travel alarm

2. Flashing lights

Safety considerations and dangers associated with audible travel alarms and flashing lights include:

- Multiple alarms and/or lights can cause confusion.
- Workers ignore the alarms and/or lights after day-in and day-out exposure.
- Operator may transfer the responsibility for "looking out" to the pedestrians.
- Annoys operators and pedestrians.

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.

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