FC 5200 SERIES

Specifications
Four Wheel Counterbalance Truck
# FC 5200 Series Specifications

## General Information

| 1.1 Manufacturer | Crown Equipment Corporation |
| 1.2 Model | FC 5215 - 2.0  
FC 5225 - 2.0 |
| 1.3 Power | electric  
48-Volt |
| 1.4 Operator Type | Sit-down Rider Counterbalanced |
| 1.5 Load Capacity | Q kg 2000 |
| 1.6 Load Centre | c mm 500 |
| 1.7 Load Distance | x mm 400 |
| 1.8 Wheel Base | y mm 1260  
1390 |
| 2.1 Weight | less battery kg 3282  
3266 |
| 2.2 Axle Load | w. load front / rear kg 5461 / 855  
5491 / 860 |
| 2.3 Axle Load | w.o. load front / rear kg 2170 / 2304  
2200 / 2336 |
| 3.1 Tyre Type | Cushion |
| 3.2 Wheel Size | front mm 533 x 178 x 381  
rear mm 406 x 152 x 267 |
| 3.3 Wheels | number (x=driven) front / rear 2x / 2 |
| 3.5 Track Width | standard front / rear b10 mm 937 / 914  
optional front / rear b11 mm 1029 / 914 |
| 4.1 Mast Tilt | forward / backward degree 5 / 5 |
| 4.2 Mast | collapsed height h1 mm see table 1 |
| 4.3 Free Lift | w. / w.o. load backrest h2 mm see table 1 |
| 4.4 Lift Height | h3 mm see table 1 |
| 4.5 Mast | extended height h4 mm see table 1 |
| 4.7 Overhead Guard Height | standard OHG / optional low OHG h6 mm 2250 / 2120, 2185, 2300* |
| 4.8 Seat Height | suspension seat h7 mm 1251 |
| 4.12 Tow Hitch Height | h10 mm 240 |
| 4.15 Lowered Fork Height | h13 mm 70 |
| 4.18 Battery Height | w. / w.o. rollers mm 442 / 434 |
| 4.20 Headlength | l2 mm 1990  
2150 |
| 4.21 Overall Width | standard front / rear mm 1115 / 1100  
option track enlargement front / rear mm 1210 / 1100 |
| 4.22 Fork Dimension | standard thwxwl mm 45 x 100 x 990  
option l mm 800, 915, 1065, 1100, 1145, 1220, 1370, 1525 |
| 4.23 Fork Carriage | ISO class 2 A |
| 4.24 Fork Carriage Width | w. / w.o. load backrest b3 mm 1120 / 965 |
| 4.32 Ground Clearance | centre wheelbase m2 mm 122 |
| 4.33 Working Aisle Width | pallets 1000 x 1200 traverse Ast mm 3311  
3451 |
| 4.34 Working Aisle Width | pallets 800 x 1200 length Ast mm 3491  
3631 |
| 4.35 Turning Radius | Wa mm 1690  
1830 |
| 5.1 Travel Speed | w. / w.o. load km/h 17.7 / 19.7 |
| 5.2 Lift Speed | w. / w.o. load m/s 0.57 / 0.58 |
| 5.3 Lowering Speed | w. / w.o. load (manual) m/s 0.46  
w. / w.o. load (EPV) m/s 0.51  
0.51 |
| 5.5 Drawbar Pull | w. / w.o. load (60 min. rtg.) N 4070 / 4462  
3991 / 4384 |
| 5.6 Max. Drawbar Pull | w. load N 16089  
w.o. load N 16481  
16403 |
| 5.7 Gradeability | w. / w.o. load (30 min. rtg.) % 11.6 / 17.3  
10.8 / 15.8 |
| 5.8 Max. Gradeability | w. / w.o. load (5 min. rtg.) % 24.8 / 37.2  
23.2 / 33.8 |
| 5.9 Acceleration Time | w. / w.o. load (10 m) 4.2 / 3.8  
0.51 |
| 6.1 Traction Motor | 60 min. rating kW 2 x 7.9 |
| 6.2 Lift Motor | 15% on time kW 11.4 |
| 6.3 Max. Battery Box Size | DIN 43531, w.o. rollers lxwxh mm 692 x 983 x 590**  
837 x 983 x 590** |
| 6.4 Battery Voltage | nominal capacity 5h V / Ah 48 / 630  
48 / 840 |
| 6.5 Battery Weight | min. / max. kg 1195 / 1450  
1270 / 1815 |

### Notes

* 2300 mm overhead guard height in combination with swivel seat only.  
** Contact Crown for battery drawings. Subtract 11 mm from battery box height with battery rollers.
**FC 5200 Series Specifications**

### General Information

<table>
<thead>
<tr>
<th>1.1 Manufacturer</th>
<th>Crown Equipment Corporation</th>
</tr>
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<tbody>
<tr>
<td>1.2 Model</td>
<td>FC 5215 - 2.5, FC 5225 - 2.5, FC 5245 - 2.5</td>
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<tr>
<td>1.3 Power</td>
<td>Electric 48-Volt</td>
</tr>
<tr>
<td>1.4 Operator Type</td>
<td>Sit-down Rider Counterbalanced</td>
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</table>

#### 1.5 Load Capacity
- **Q kg**: 2500

#### 1.6 Load Centre
- **c mm**: 500

#### 1.8 Load Distance
- **x mm**: 400

#### 1.9 Wheel Base
- **y mm**: 1260

### Weights

<table>
<thead>
<tr>
<th>2.1 Weight less battery kg</th>
<th>3666, 3570, 3445</th>
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<tr>
<td>2.2 Axle Load w. load front / rear kg</td>
<td>6239 / 605, 6201 / 882, 6232 / 887</td>
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<tr>
<td>2.3 Axle Load w.o. load front / rear kg</td>
<td>2268 / 2596, 2259 / 2585, 2264 / 2591</td>
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### Tyres

<table>
<thead>
<tr>
<th>3.1 Tyre Type</th>
<th>Cushion</th>
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<tbody>
<tr>
<td>3.2 Wheel Size</td>
<td>Front mm 533 x 178 x 381</td>
</tr>
<tr>
<td>3.3 Wheel Size</td>
<td>Rear mm 406 x 152 x 267</td>
</tr>
<tr>
<td>3.5 Wheels number (x=driven)</td>
<td>Front / Rear 2x / 2</td>
</tr>
<tr>
<td>3.6 Track Width</td>
<td>Standard front / rear mm 937 / 914</td>
</tr>
<tr>
<td>3.7 Track Width</td>
<td>Optional front / rear mm 1029 / 914</td>
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### Dimensions

<table>
<thead>
<tr>
<th>4.1 Mast Tilt</th>
<th>Forward / Backward degree ° 5 / 5</th>
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<tbody>
<tr>
<td>4.2 Mast collapsed height h1 mm</td>
<td>See table 1</td>
</tr>
<tr>
<td>4.3 Free Lift w. / w.o. load backrest h2 mm</td>
<td>See table 1</td>
</tr>
<tr>
<td>4.4 Lift Height h3 mm</td>
<td>See table 1</td>
</tr>
<tr>
<td>4.5 Mast extended height h4 mm</td>
<td>See table 1</td>
</tr>
<tr>
<td>4.6 Overhead Guard Height standard OHG / optional low OHG h6 mm</td>
<td>2250 / 2120, 2185, 2300*</td>
</tr>
<tr>
<td>4.7 Seat Height suspension seat h7 mm</td>
<td>1251</td>
</tr>
<tr>
<td>4.8 Tow Hitch Height h10 mm</td>
<td>240</td>
</tr>
<tr>
<td>4.15 Lowered Fork Height h13 mm</td>
<td>70</td>
</tr>
<tr>
<td>4.18 Battery Floor Height w. / w.o. rollers mm</td>
<td>442 / 434</td>
</tr>
<tr>
<td>4.20 Headlength l2 mm</td>
<td>2070 / 2150 / 2230</td>
</tr>
<tr>
<td>4.21 Overall Width standard front / rear mm</td>
<td>1115 / 1100</td>
</tr>
<tr>
<td>4.21 Overall Width option track enlargement front / rear mm</td>
<td>1210 / 1100</td>
</tr>
<tr>
<td>4.22 Fork Dimension standard thwxl mm</td>
<td>45 x 100 x 990</td>
</tr>
<tr>
<td>4.41 Fork Dimension ISO class</td>
<td>2 A</td>
</tr>
<tr>
<td>4.42 Fork Carriage Width w. / w.o. load backrest b3 mm</td>
<td>1120 / 965</td>
</tr>
<tr>
<td>4.43 Ground Clearance with load below mast m1 mm</td>
<td>76</td>
</tr>
<tr>
<td>4.44 Ground Clearance centre wheelbase m2 mm</td>
<td>122</td>
</tr>
<tr>
<td>4.45 Working Aisle Width pallets 1000 x 1200 traverse Ast mm</td>
<td>3381 / 3451 / 3527</td>
</tr>
<tr>
<td>4.46 Working Aisle Width pallets 800 x 1200 length Ast mm</td>
<td>3561 / 3631 / 3706</td>
</tr>
<tr>
<td>4.47 Turning Radius Wa mm</td>
<td>1760 / 1830 / 1905</td>
</tr>
<tr>
<td>4.48 Travel Speed w. / w.o. load km/h</td>
<td>17.7 / 19.7</td>
</tr>
<tr>
<td>4.49 Lift Speed w. / w.o. load m/s</td>
<td>0.52 / 0.58</td>
</tr>
<tr>
<td>4.49 Lowering Speed w. / w.o. load (manual) m/s</td>
<td>0.46</td>
</tr>
<tr>
<td>4.49 Lowering Speed w. / w.o. load (EPV) m/s</td>
<td>0.51 / 0.51</td>
</tr>
<tr>
<td>4.49 Drawbar Pull w. / w.o. load (60 min. rtg.) N</td>
<td>3896 / 4387 / 3848 / 4339 / 3847 / 4338</td>
</tr>
<tr>
<td>4.49 Max. Drawbar Pull w. / w.o. load N</td>
<td>15915 / 15867 / 15866</td>
</tr>
<tr>
<td>4.49 Max. Drawbar Pull w.o. load N</td>
<td>16406 / 16358 / 16357</td>
</tr>
<tr>
<td>4.49 Gradeability w. / w.o. load (30 min. rtg.) %</td>
<td>10.0 / 15.9 / 9.6 / 15.0 / 9.6 / 15.0 / 20.8 / 32.2</td>
</tr>
<tr>
<td>4.49 Max. Gradeability w. / w.o. load (5 min. rtg.) %</td>
<td>21.6 / 34.0 / 20.8 / 32.1</td>
</tr>
<tr>
<td>4.49 Acceleration Time w. / w.o. load (10 m) s</td>
<td>4.4 / 3.9</td>
</tr>
<tr>
<td>4.49 Brake service / parking</td>
<td>Foot Motor - Electric Assist / Auto - Electric</td>
</tr>
<tr>
<td>4.6 Traction Motor 60 min. rating kW</td>
<td>2 x 7.9</td>
</tr>
<tr>
<td>4.6 Lift Motor 15% on time kW</td>
<td>11.4</td>
</tr>
<tr>
<td>4.6 Max. Battery Box Size DIN 43531, w.o. rollers bwxh mm</td>
<td>692x983x590** / 837x983x590** / 924x983x590**</td>
</tr>
<tr>
<td>4.6 Battery Voltage nominal capacity 5h V / Ah</td>
<td>48 / 630 / 48 / 840 / 48 / 945</td>
</tr>
<tr>
<td>4.6 Battery Weight min. / max. kg</td>
<td>1195 / 1450 / 1270 / 1815 / 1410 / 1930</td>
</tr>
</tbody>
</table>

### Notes
- **2300 mm overhead guard height in combination with swivel seat only.**
- **Contact Crown for battery drawings. Subtract 11 mm from battery box height with battery rollers.**
## FC 5200 Series
### Specifications
#### General Information
1. **Manufacturer**: Crown Equipment Corporation
2. **Model**:
   - FC 5225 - 3.0
   - FC 5245 - 3.0
3. **Power**: Electric 48-Volt
4. **Operator Type**: Sit-down Rider Counterbalanced
5. **Load Capacity**: Q kg 3000
6. **Load Centre**: c mm 500
7. **Load Distance**: x mm 410
8. **Wheel Base**: y mm 1390
9. **Weight**:
   - less battery kg 3720 / 4048
10. **Axle Load**:
   - w. load front / rear kg 7158 / 977 / 977 / 1093
   - w.o. load front / rear kg 2443 / 3007 / 2132 / 3323
11. **Tyre Type**: Cushion
12. **Wheel Size**:
   - front mm 533 x 203 x 381
   - rear mm 406 x 152 x 267
13. **Track Width**:
   - standard front / rear mm 965 / 914
   - optional front / rear mm 1005 / 914
14. **Wheels**:
   - number (x=driven) front / rear 2x / 2
15. **Track Width**:
   - standard front / rear mm 965 / 914
   - optional front / rear mm 1005 / 914
16. **Mast Tilt**:
   - forward / backward degree 5 / 5
17. **Mast**:
   - collapsed height h1 mm see table 2
   - extended height h4 mm see table 3
18. **Free Lift**:
   - w. / w.o. load backrest h2 mm see table 2
19. **Lift Height**:
   - h3 mm see table 2
20. **Mast**:
   - extended height h4 mm see table 3
21. **Overhead Guard Height**:
   - standard OHG / optional low OHG h6 mm 2250 / 2120, 2185, 2300*
22. **Seat Height**:
   - suspension seat h7 mm 1251
23. **Tow Hitch Height**:
   - h10 mm 240
24. **Lowered Fork Height**:
   - h13 mm 70
25. **Battery Floor Height**:
   - w. / w.o. rollers mm 442 / 434
26. **Headlength**:
   - l2 mm 2235 / 2315
27. **Overall Width**:
   - standard front / rear mm 1160 / 1100
   - option track enlargement front / rear mm 1220 / 1100
28. **Fork Dimension**:
   - standard thwxwl mm 45 x 127 x 990
   - option l mm 800, 915, 1065, 1145, 1145, 1220, 1370, 1525
29. **Fork Carriage**:
   - ISO class 3 A
30. **Fork Carriage Width**:
   - w. / w.o. load backrest b3 mm 1120 / 965
31. **Ground Clearance**:
   - with load below mast m1 mm 76
32. **Ground Clearance**:
   - centre wheelbase m2 mm 122
33. **Working Aisle Width**:
   - pallets 1000 x 1200 traverse Ast mm 3536
   - pallets 800 x 1200 length Ast mm 3716
34. **Turning Radius**:
   - Wa mm 1905
35. **Travel Speed**:
   - w. / w.o. load km/h 17.7 / 19.7
36. **Lift Speed**:
   - w. / w.o. load m/s 0.47 / 0.58
37. **Lowering Speed**:
   - w. / w.o. load (manual) m/s 0.46
   - w. / w.o. load (EPV) m/s 0.52 / 0.52
38. **Drawbar Pull**:
   - w. / w.o. load (60 min. rtg.) N 3665 / 4253
   - w.o. load N 15684
39. **Max. Drawbar Pull**:
   - w.o. load N 16272
40. **Gradeability**:
   - w. / w.o. load (30 min. rtg.) % 8.4 / 13.8
   - w. / w.o. load (5 min. rtg.) % 18.3 / 29.4
41. **Acceleration Time**:
   - w. / w.o. load (10 m) s 4.6 / 4.0
42. **Brake**:
   - service / parking Foot Motor - Electric Assist / Auto - Electric
43. **Traction Motor**:
   - rating kW 2 x 7.9
44. **Lift Motor**:
   - kW 11.4
45. **Max. Battery Box Size**:
   - DIN 43531, w.o. rollers lxwxh mm 837 x 983 x 590** / 924 x 983 x 590**
46. **Battery Voltage**:
   - nominal capacity 5h V / Ah 48 / 840 / 48 / 945
47. **Battery Weight**:
   - kg 1270 / 1815
48. **Type of Control**: AC control
49. **Available Working Pressure for Attachments**:
   - bar 210

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* 2300 mm overhead guard height in combination with swivel seat only.
** Contact Crown for battery drawings. Subtract 11 mm from battery box height with battery rollers.
### Table 1  Mast

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<thead>
<tr>
<th>FC 52XX - 2.0 / 2.5</th>
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<tr>
<td><strong>4.1</strong> Tilt</td>
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<td><strong>4.2</strong> Collapsed Height</td>
<td>h1</td>
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<tr>
<td><strong>4.3</strong> Free Lift</td>
<td>w. LBR</td>
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<td></td>
<td>w.o. LBR</td>
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<tr>
<td><strong>4.4</strong> Lift Height</td>
<td>h3</td>
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<tr>
<td><strong>4.5</strong> Extended Height</td>
<td>w. LBR</td>
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<td>w.o. LBR</td>
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<td><strong>4.2</strong> Collapsed Height</td>
<td>h1</td>
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<tr>
<td></td>
<td>w. LBR</td>
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<td><strong>4.5</strong> Extended Height</td>
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<td><strong>4.4</strong> Lift Height</td>
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<td>w. LBR</td>
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<tr>
<td></td>
<td>w.o. LBR</td>
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<td><strong>4.4</strong> Lift Height</td>
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<td><strong>4.5</strong> Extended Height</td>
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### FC 5225 - 3.0 Mast Specifications

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<td><strong>Collapsed Height</strong></td>
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<tr>
<td><strong>Extended Height</strong></td>
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### FC 5245 - 3.0 Mast Specifications

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<td><strong>Lift Height</strong></td>
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<tr>
<td><strong>Extended Height</strong></td>
<td>mm</td>
<td>3885</td>
<td>4190</td>
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Table 2 Mast

Table 3 Mast
Standard Equipment

1. Crown’s Access 1 2 3® Comprehensive System Control
2. Intrinsic Stability System™
   • Travel speed reduction and appropriate brake control when forks are above free lift
   • Forward tilt interlock reduces forward tilt above free lift to maximise stability
   • Counterweight designed for optimal stability
   • Ramp speed control
   • Cornering speed control
   • Ramp hold
3. e-GEN® braking system with automatic parking brake
4. Operator entry/exit
   • 460 mm step height
   • Large entry/exit “window”
   • Tubular overhead guard
5. Operator compartment design features
   • Low cowl for fork and floor visibility
   • Wide visibility window
   • Comfort suspension safety seat MSG 65 vinyl with hip restraint
   • Infinite adjustment steering wheel with sculpted column
   • Steering spinner knob
   • Adjustable D4 armrest with Fingertip control levers
   • Thumb operated travel direction switch
   • Rubber floor mat/rubber covered pedals
   • Sculpted counterweight for rearward visibility
   • Magnetic orange storage tray on seat deck
6. Crown-manufactured drive and lift motors
7. 48-volt system
8. SBE 320 blue battery connector
9. Crown display
   • Battery discharge indicator with lift interrupt and re-key feature
   • Hour meters/travel distance/stop watch
   • Pin code access capable
   • Event code display with five (5) key navigation
   • Access 1 2 3 diagnostics
   • P1, P2, P3 Performance tuning
   • Forward/reverse indicator
10. High visibility mast with in-line hose routing

Optional Equipment

11. Waterfall design overhead guard
12. Lift out or side removal battery access
13. Battery side retainer with interlock and fault identification
14. No tool lift out floorboards
15. Dock Performance Package
16. Colour-coded wiring
17. InfoPoint® System
18. Three-spool valve
19. O-ring face seal hydraulic fittings
20. Battery disconnect handle
21. Lift interrupt
22. AC hydraulics and on-demand steering
23. Tow Pin

Technical Information

FC 5200 Series

22. Battery compartment rollers
23. 48V accessory cable
24. Wide tread widths
25. Load backrest in various heights
26. Drive-in rack overhead guard
27. Non-marking smooth or Lugged cushion tyres
28. Work Assist® Accessories
   • Clip Pad
   • Hook
   • Storage Net
   • Magnetic Storage Bin
   • Seat Deck Clip Pad
   • Accessory clamp
   • Terminal mounting
   • Shink wrap holder
   • Cup holder
   • Various storage pocket
29. Rear post handle with horn button
30. Swivel Seat
31. Lights on with Keyswitch
32. Attachments:
   • Integral or hook on sideshifter
   • Carton Clamp
   • Fork Positioner with sideshifter
   • Push Pull
   • Single/Double
33. OHG Covers
   • Plexi-glass
   • 2x2 wire mesh
34. DIN A 320 battery connector
35. 5th Function
36. Quick Charge Options
37. Crown V-force Lithium ready

Driveability

The FC 5200 benefits from Crown’s design and engineering excellence. Numerous features improve operator comfort and productivity.

A low 460 mm step height first greets the operator. A low streamlined battery cover helps the operator glide into the truck’s seat. The overhead guard is shaped to open up the entry/exit window and its tubular design provides a comfortable hand grip location for a variety of operator heights. The compact tilt steer column and steer wheel further facilitate entry/exit.

Tilt column is spring loaded to easily move up and away. Floorboard is uncluttered and rubber covered to insulate the operator from vibration. Sculpted floorboard design promotes visibility to the drive tyers, which can reduce product and pallet damage. Brake pedal effort is reduced.

Pedal to pedal and floor to pedal relationships are refined for comfort.

Better visibility can be seen everywhere you look. A low cowl for fork and carriage visibility, a high visibility mast, a compact steer column, a sculpted floorboard and a “waterfall” overhead guard all contribute to superior visibility.

Hydraulic controls allow easy blending of up to 4 hydraulic functions. Fingertip controls are integrated into the adjustable armrest. Dual-lever controls are recommended when operators wear gloves. The manual levers are urethane covered with tactile feedback for comfort and ease selection. Control actuation forces are minimal and responsive.

Battery disconnect is easy to reach and operate. Easy to actuate rocker-type switches are conveniently located to select optional work lights or fan. A large convex horn button is housed in the centre of the wheel.

Crown Drive System

Crown has applied the latest generation AC drive system, enhanced with Access 1 2 3® technology.

Crown-manufactured, independently controlled, AC drive motors are specifically designed to optimise system integration between the traction and braking controls. The demand for high efficiency systems that closely match customer torque requirements is met with this generation control system.

Crown’s Access 1 2 3 technology provides optimum performance and control by offering a communication interface for both operators and technicians, intelligent coordination of lift truck systems and simplified service with advanced diagnostics.

The Crown display is used for easy troubleshooting, access event history and set performance features.

A distribution panel is conveniently located with all test points, control fuses and central wiring for easy troubleshooting.
Three modes of performance can be selected to accommodate operator experience or application requirements.

**e-GEN® Braking System**
Variable regenerative motor braking is optimised and assisted with electric friction brakes, eliminating maintenance associated with typical wet, disk or drum and shoe style brakes. The appropriate amount of stopping force is applied to match operator brake input and the current operating conditions of the truck.

The closed loop Access 1 2 3 traction control will keep the truck steady until a travel input is requested, even when operating on a ramp. Automatic electric parking brakes activate when the operator leaves the seat, a travel input has not been requested or battery power has been disconnected.

**Steering System**
Full hydrostatic system with equal area, double-acting cylinder provides equally responsive steering rate both ways (4.8 turns lock to lock). Rugged axle frame, forged spindle and connecting links eliminate the need for adjustment. One-piece forged spindle and kingpin in tapered roller bearings for improved life and serviceability. Spherical bearings with tapered pins in connecting links eliminate any play in linkage. All bearing locations are sealed to exclude contaminants and are equipped with lubrication fittings.

Load-sense hydrostatic steering is an on-demand system which reduces energy consumption. Smooth, quiet steering control with minimal operator effort required at the steer tiller.

The steering geometry is matched to the controller to deliver smooth steering at all angles. The advantage is less tyre scrubbing which extends tyre life. Both motors receive power, even in the tightest turns. This helps the truck to accelerate, turn and manoeuvre even from a full turn start position.

Compering speed control regulates the drive motor’s output by the turning degree of the truck. The advantage is smooth, stable steering which may increase operator confidence and productivity.

**Hydraulics**
Premium hydraulic function control valve provides precise metering of lift, tilt and accessory functions. Compensating section in the valve provides repeatable function speed regardless of load condition. Hydraulic lever actuation is minimal, reducing stress. Compensating section also improves overall system efficiency.

Tilt compensator prevents tilt from lunging or speeding up when doing simultaneous functions.

Crown lift/tilt interlock system provides extended forward tilt at low fork heights, reduced forward tilt at elevated heights to improve truck stability when forks are elevated.

The control valves’ modular design allows easy addition of accessory functions. Maximum lowering speed is limited by pressure compensating flow control valve and velocity fuses. Integrated hydraulic cylinder cushions soften mast staging. All lift cylinder rams are plated and retract into the hydraulic oil for additional corrosion protection when forks are lowered.

The steel oil reservoir is integral to the frame which helps to dissipate hydraulic oil heat. This clean, leak-free design includes suction strainer with separate, easily accessible fill port and dipstick with filtered breathers. Oil is returned through a replaceable spin-on type oil filter. The hydraulic system provides continuous filtration.

Crown Manufactured Mast Assembly
The mast has four points of attachment to the truck for good load force distribution. Two mounting points are at the frame, where tilt cylinders attach. Tilt cylinders use spherical bushings to resist offcentre load distortions. Two large diameter studs secure the mast to the drive units.

High visibility mast features nested-rail design with lift cylinders positioned behind the rails. Heavy-duty mast is engineered to provide smooth reliable operation. Large hydraulic hose reeves and hose placement are engineered to reduce hose wear and increase hose life. Hose routing places hoses in-line versus side-by-side to reduce visual interference. Large lift chains are used for long reliable service life.

Large diameter lift cylinders provide smooth operation. Optional TL, TF, TT and quad mast is available.

**Batteries**
Battery deck lid releases easily to expose battery for lift out or side battery removal. Optional battery rollers for use with mechanised extraction equipment. A low battery side retainer is standard. Full battery side doors are optional. Crown V-force Litium ready option comes with full side cover with an access cutout for lateral charging.

**Carriage**
An ITA Class II or III is standard. An optional Crown integral sideshifter and hook on type ITA sideshifters or other attachments can be easily added. Optional fork lengths are available.

**Drive Units**
Two Crown-manufactured independent double reduction planetary gear drive offers 22 to 1 gear reduction. The first and second reduction use helical gears for low-noise and efficiency. The drive unit gears are splash lubricated in an oil bath.

**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.

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**FC 5200 Series**

**Technical Information**

**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.