

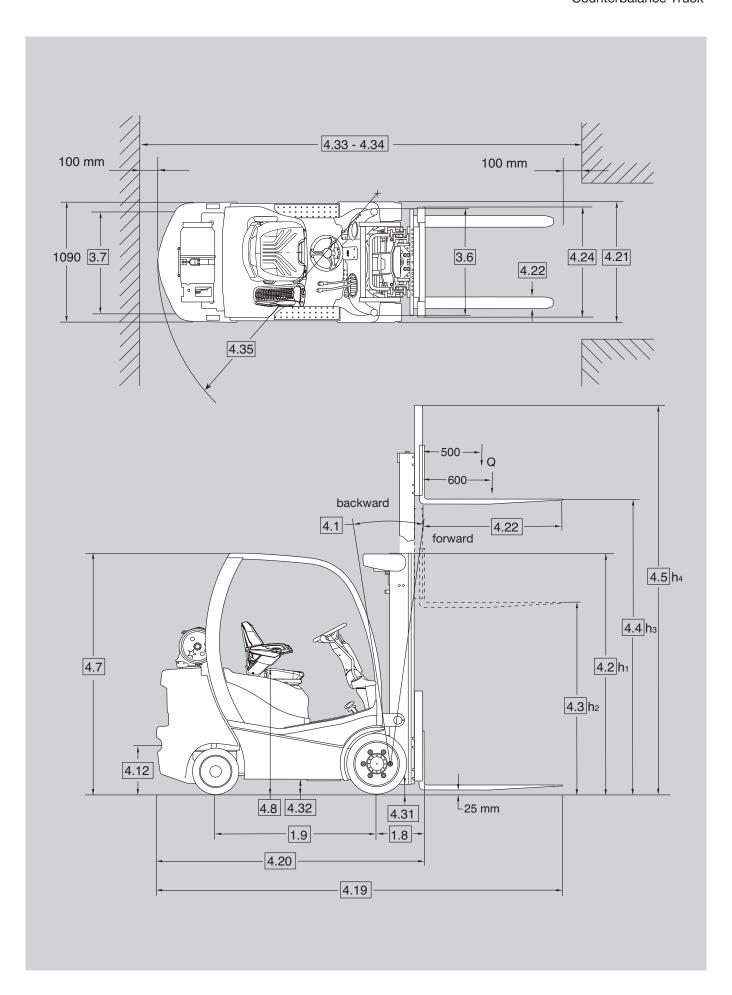
# C-5 SERIES

# **Specifications**

LPG Counterbalance Truck - Cushion







|                       | 1.1  | Manufacturer  |                                |       |        | Crown                             | Equipment Corporat              | ion                 |  |  |
|-----------------------|------|---|--------------------------------|-------|--------|-----------------------------------|---------------------------------|---------------------|--|--|
| <u> </u>              | 1.2  | Model   |                                |       |        | C-5 1000-2.0                      | C-5 1000-2.5                    | C-5 1000-3.0        |  |  |
| atic                  | 1.3  | Power   | electric                       |       |        | 0 0 1000 2.0                      | LPG                             | 0 0 1000 0.0        |  |  |
| orm                   | 1.4  | Operator Type   | GIGGLIG                        |       |        |                                   | Driver-seated                   |                     |  |  |
| l Inf                 | 1.5  | Load Capacity   |                                | Q     | t      | 2.0                               | 2.5                             | 3.0                 |  |  |
| General Information   | 1.6  | Load Centre   |                                | С     | mm     | 2.0                               | 500                             | 0.0                 |  |  |
| Ben                   | 1.8  | Load Distance   |                                |       |        | 42                                |                                 | 430                 |  |  |
|                       | 1.9  | Wheel Base  |                                | X     | mm     | 42                                | 1420                            | 430                 |  |  |
|                       |      |   |                                | У     | mm     | 0055                              |                                 | 4040                |  |  |
| ghts                  | 2.1  | Weight  | 1 16 17                        |       | kg     | 3955                              | 4415                            | 4940                |  |  |
| Weights               | 2.2  | Axle Load   | w. load front / rear           |       | kg     | 5250 / 705                        | 6005 / 910                      | 6740 / 1200         |  |  |
| _                     | 2.3  | Axle Load   | w.o. load front / rear         |       | kg     | 1940 / 2015                       | 1865 / 2550                     | 1750 / 3190         |  |  |
|                       | 3.1  | Tyre Type   |                                |       |        |                                   | Cushion                         | T                   |  |  |
|                       | 3.2  | Tyre Size   | front diameter, width, rim dia |       |        | 21 x 7                            |                                 | 21 x 8 x 15         |  |  |
| Tyres                 | 3.3  | Tyre Size   | rear diameter, width, rim dia  | meter |        | 16 x 6 :                          |                                 | 18 x 6 x 12.125     |  |  |
| Ĺ.                    | 3.5  | Wheels  | no. (x=driven) front/rear      |       |        |                                   | 2x / 2                          | T                   |  |  |
|                       | 3.6  | Track   | front, std. / wide             | b10   | mm     | 910 /                             | 1015                            | 910 / 990           |  |  |
|                       | 3.7  | Track   | rear                           | b11   | mm     | 91                                | 0                               | 910                 |  |  |
|                       | 4.1  | Mast Tilt / Fork Carriage   | forward / backward             |       | 0      |                                   | 5/5                             |                     |  |  |
|                       | 4.2  | Mast  | collapsed height               | h1    | mm     | see table                         | 1 and 2                         | see table 3         |  |  |
|                       | 4.3  | Free Lift   |                                | h2    | mm     | see table                         | 1 and 2                         | see table 3         |  |  |
|                       | 4.4  | Lift Height   |                                | hз    | mm     | see table                         | 1 and 2                         | see table 3         |  |  |
|                       | 4.5  | Mast  | extended height                | h4    | mm     | see table                         | 1 and 2                         | see table 3         |  |  |
|                       | 4.7  | Overhead Guard Height   |                                | h6    | mm     |                                   | 2120                            |                     |  |  |
|                       | 4.8  | Seat Height   |                                | h7    | mm     | 109                               | 1095                            |                     |  |  |
|                       | 4.12 | Tow Hitch Height  |                                | h10   | mm     | 570                               |                                 | 590                 |  |  |
| l w                   | 4.19 | Overall Length  |                                | l1    | mm     | 3390                              | 3420                            | 3510                |  |  |
| ioi                   | 4.20 | Headlength  |                                | l2    | mm     | 2335                              | 2365                            | 2455                |  |  |
| ens                   | 4.04 | Overell Width   | std.                           | b1/b2 | mm     | 109                               | 90                              | 1140                |  |  |
| Dimensions            | 4.21 | Overall Width   | front, wide                    | b1    | mm     | 119                               | 95                              | 1195                |  |  |
| _                     | 4.00 | Fork Dimension  |                                | thxw  | mm     | 45 x                              | 100                             | 45 x 125            |  |  |
|                       | 4.22 |   | std. / optional                | I     | mm     | 990 / 815,915,1015,1065,1100,1145 |                                 | 1220,1370,1525,1830 |  |  |
|                       | 4.23 | Fork Carriage   | ISO / FEM / ITA                |       |        | Class                             | s IIA                           | Class IIIA          |  |  |
|                       | 4.24 | Fork Carriage Width   | std. / wide                    | рз    | mm     |                                   | 965 / 1120                      |                     |  |  |
|                       | 4.31 | 0   | with load below mast           | m1    | mm     |                                   | 75                              |                     |  |  |
|                       | 4.32 | Ground Clearance  | centre wheelbase               | m2    | mm     |                                   | 125                             |                     |  |  |
|                       | 4.33 | Maria de la Maria de | pallets 1000x1200 traverse     | Ast   | mm     | 3650                              | 3720                            | 3790                |  |  |
|                       | 4.34 | Working Aisle Width   | pallets 800x1200 length        | Ast   | mm     | 3850                              | 3920                            | 3990                |  |  |
|                       | 4.35 | Turning Radius  |                                | Wa    | mm     | 2025                              | 2096                            | 2160                |  |  |
|                       | 5.1  | Travel Speed  | w./w.o. load                   |       | km/h   | '                                 | 18 / 18                         |                     |  |  |
|                       | 5.2  | Lift Speed  | w./w.o. load                   |       | m/s    |                                   | 0.58 / 0.64                     |                     |  |  |
| JCe                   | 5.3  | Lower Speed   | w./w.o. load                   |       | mm     |                                   | 0.47 / 0.46                     |                     |  |  |
| Performance           | 5.5  | Drawbar Pull  | w./w.o. load (max.)            |       | N      |                                   | 19370                           |                     |  |  |
| rfori                 | 5.7  | Gradeability  | w./w.o. load (max.)            |       | %      | 22 / 34                           | 18 / 28                         | 16 / 21             |  |  |
| Pel                   | 5.9  | Acceleration Time   | w./w.o. load                   |       | S      | 5.5 / 4.7                         | 5.5 / 4.7                       | 6.2 / 5.4           |  |  |
|                       | E 40 | D I   | service                        |       |        |                                   | aulic / Power Disc /            | Foot                |  |  |
|                       | 5.10 | Brake   | park                           |       |        | Hydra                             | Hydraulic / Power Disc / Switch |                     |  |  |
|                       | 7.1  | Engine Manufacturer   | type                           |       |        | -                                 | Crown 4024                      |                     |  |  |
| ПC                    |      |   | per ECE R120                   | kV    | V / HP |                                   | 43 / 58                         |                     |  |  |
| SSic                  | 7.2  | Engine Rated Output   |                                |       | 2 rpm  | 171 @ 1680                        |                                 |                     |  |  |
| smi                   | 7.3  | Rated Speed   |                                |       | rpm    |                                   | 2800                            |                     |  |  |
| ran                   | 7.4  | No. of Cylinder / Displac   | ement                          | gty / | · ·    |                                   | 4 / 2400                        |                     |  |  |
| Engine / Transmission | 8.1  | Transmission Type   |                                | 177   |        |                                   | Hydrodynamic                    |                     |  |  |
| gine                  | 8.2  | Available Working Pressu  | ure for Attachments            |       | bar    | 17                                |                                 | 214                 |  |  |
| Ε̈́                   | 8.3  | Oil Capacity for Attachme   |                                |       | I/min  | 17                                | 72                              |                     |  |  |
|                       | 8.4  | Sound Level at Driver's E   |                                |       | dB (A) |                                   | 81                              |                     |  |  |
|                       | 0.4  | Count Level at Dilvel 8 E   | DIN LIN 12000                  |       | (A)    |                                   | 01                              |                     |  |  |

Table 1 - Mast C-5 1000-2.0 / C-5 1000-2.5

|     | TL TF       |                                    |    |    |                  |      |      |                       |      |      |      |      |      |      |      |
|-----|-------------|------------------------------------|----|----|------------------|------|------|-----------------------|------|------|------|------|------|------|------|
| 4.1 | Mast Tilt   | forward / backward                 |    | 0  |                  | 5/5  |      | 5/5                   |      |      |      |      |      | 5/3  |      |
| 4.2 | Mast        | collapsed height                   | h1 | mm | 2110             | 2265 | 2415 | 1960                  | 2110 | 2265 | 2415 | 2570 | 2720 | 2875 | 3025 |
| 4.3 | Free Lift   | without load backrest              | h2 | mm | 145 1395 1545 17 |      | 1700 | 1850                  | 2005 | 2155 | 2310 | 2460 |      |      |      |
| 4.0 | Free Liit   | with 1220 mm load backrest         | h2 | mm | 145              |      |      | 710                   | 860  | 1015 | 1165 | 1320 | 1470 | 1625 | 1775 |
| 4.4 | Lift Height |                                    | hз | mm | 3200             | 3505 | 3810 | 2895                  | 3200 | 3505 | 3810 | 4110 | 4415 | 4670 | 4975 |
| 4.5 | Mast        | extended height, w.o. lbr.         | h4 | mm | 3785             | 4090 | 4395 | 3430                  | 3735 | 4040 | 4345 | 4650 | 4955 | 5210 | 5515 |
| 4.5 | IVIASL      | extended height, with 1220 mm lbr. | h4 | mm | 4445             | 4750 | 5055 | 4145                  | 4445 | 4750 | 5055 | 5360 | 5665 | 5920 | 6225 |
|     | Interlock   | fork height                        |    | mm |                  | 1980 |      | 1520 2435 2130 2285 2 |      |      | 2435 | 2590 |      |      |      |

|     |             |                                    |    |    |         |      |      | TT   |      |      |      |  |
|-----|-------------|------------------------------------|----|----|---------|------|------|------|------|------|------|--|
| 4.1 | Mast Tilt   | forward / backward                 |    | 0  | 5/5 5/3 |      |      |      |      |      |      |  |
| 4.2 | Mast        | collapsed height                   | h1 | mm | 2110    | 2265 | 2415 | 2570 | 2720 | 2875 | 3025 |  |
| 13  | Free Lift   | without load backrest              | h2 | mm | 1600    | 1750 | 1905 | 2055 | 2205 | 2360 | 2510 |  |
| 4.0 | Free Liit   | with 1220 mm load backrest         | h2 | mm | 1165    | 1015 | 1165 | 1320 | 1470 | 1625 | 1775 |  |
| 4.4 | Lift Height |                                    | hз | mm | 4775    | 5230 | 5485 | 5865 | 6245 | 6550 | 7010 |  |
| 4.5 | Mast        | extended height, w.o. lbr.         | h4 | mm | 5285    | 5745 | 5995 | 6380 | 6760 | 7065 | 7520 |  |
| 4.5 | IVIast      | extended height, with 1220 mm lbr. | h4 | mm | 6020    | 6480 | 6735 | 7115 | 7495 | 7800 | 8255 |  |
|     | Interlock   | fork height                        |    | mm |         | 2385 |      | 2285 | 2435 | 2590 | 2740 |  |

# Table 2 - Mast C-5 1000-2.0 / C-5 1000-2.5

|     |             |                                    |    |    | Quad |      |      |      |  |  |  |  |
|-----|-------------|------------------------------------|----|----|------|------|------|------|--|--|--|--|
| 4.1 | Mast Tilt   | forward / backward                 |    | 0  | 5/3  |      |      |      |  |  |  |  |
| 4.2 | Mast        | collapsed height                   | h1 | mm | 2110 | 2265 | 2415 | 2570 |  |  |  |  |
| 4.3 | Free Lift   | without load backrest              | h2 | mm | 1520 | 1675 | 1825 | 1980 |  |  |  |  |
| 4.0 |             | with 1220 mm load backrest         | h2 | mm | 860  | 1015 | 1165 | 1320 |  |  |  |  |
| 4.4 | Lift Height |                                    | hз | mm | 6095 | 6550 | 7010 | 7465 |  |  |  |  |
| 4.5 | Mast        | extended height, w.o. lbr.         | h4 | mm | 6655 | 7115 | 7570 | 8030 |  |  |  |  |
| 4.5 | Wast        | extended height, with 1220 mm lbr. | h4 | mm | 7345 | 7800 | 8255 | 8715 |  |  |  |  |
|     | Interlock   | fork height                        |    | mm | 1750 | 1905 | 2055 | 2205 |  |  |  |  |

# Table 3 - Mast C-5 1000-3.0

|     |             |                                    |    |    |      |      | TL   |        |      | TF   |      |      |      |      |  |
|-----|-------------|------------------------------------|----|----|------|------|------|--------|------|------|------|------|------|------|--|
| 4.1 | Mast Tilt   | forward / backward                 |    | 0  |      | 5/5  |      | 5/5    |      |      |      |      |      |      |  |
| 4.2 | Mast        | collapsed height                   | h1 | mm | 2110 | 2265 | 2415 | 1960   | 2110 | 2265 | 2415 | 2570 | 2720 | 2875 |  |
| 4.3 | Free Lift   | without load backrest              | h2 | mm | 145  |      |      | 1270   | 1420 | 1570 | 1725 | 1875 | 2030 | 2180 |  |
| 4.0 | Tree Liit   | with 1220 mm load backrest         | h2 | mm | 145  |      |      | 710    | 860  | 1015 | 1165 | 1320 | 1470 | 1625 |  |
| 4.4 | Lift Height |                                    | hз | mm | 2920 | 3200 | 3530 | 2665   | 2970 | 3275 | 3580 | 3885 | 4190 | 4445 |  |
| 4.5 | Mast        | extended height, w.o. lbr.         | h4 | mm | 3610 | 3890 | 4220 | 3355   | 3660 | 3965 | 4270 | 4575 | 4880 | 5135 |  |
| 4.5 | IVIASL      | extended height, with 1220 mm lbr. | h4 | mm | 4170 | 4445 | 4780 | 3915   | 4220 | 4525 | 4830 | 5135 | 5440 | 5690 |  |
|     | Interlock   | fork height                        |    | mm | 1980 |      | 1445 | 5 2360 |      |      | 2055 | 2205 | 2360 |      |  |

|     |             |                                    |    |    | Π              |      |      |      |      |      |  |  |  |
|-----|-------------|------------------------------------|----|----|----------------|------|------|------|------|------|--|--|--|
| 4.1 | Mast Tilt   | forward / backward                 |    | 0  | 5/5            |      |      |      |      |      |  |  |  |
| 4.2 | Mast        | collapsed height                   | h1 | mm | 2110           | 2265 | 2415 | 2570 | 2720 | 2875 |  |  |  |
| 4.3 | Free Lift   | without load backrest              | h2 | mm | 1420           | 1570 | 1725 | 1875 | 2030 | 2180 |  |  |  |
| 4.5 |             | with 1220 mm load backrest         | h2 | mm | 860            | 1015 | 1165 | 1320 | 1470 | 1625 |  |  |  |
| 4.4 | Lift Height |                                    | hз | mm | 4340           | 4800 | 5050 | 5435 | 5815 | 6120 |  |  |  |
| 4.5 | Mast        | extended height, w.o. lbr.         | h4 | mm | 5030           | 5490 | 5745 | 6125 | 6505 | 6810 |  |  |  |
| 4.5 | เพลรเ       | extended height, with 1220 mm lbr. |    | mm | 5590           | 6050 | 6300 | 6685 | 7065 | 7370 |  |  |  |
|     | Interlock   | fork height                        |    | mm | 2310 2205 2360 |      |      |      |      | 2510 |  |  |  |



# Standard Equipment

- Industrial 2.4 liter Crown LPG engine compliant to current EU standards
- 2. Hydrodynamic transaxle
- 3. Industrial Dual core radiator
- 4. Crown's Access 1 2 3® Comprehensive System Control
- Intrinsic Stability System<sup>™</sup>
   Greater mass and low centre of gravity
  - Tilt interlock
  - Tilt speed control
  - Stalled engine braking and steering
  - Hill hold
- 6. Top speed limiter
- 7. Fold down LP bottle bracket
- 8. Three pedal control with separate inching/brake
- 9. Operator compartment design features
  - Low cowl for fork and floor visibility
  - Wide placed overhead guard uprights reduce visual interference
  - Isomounted overhead guard reduces vibration
  - Comfort suspension safety seat MSG 65 vinyl, hip restraints and anticinch seat belt, orange
  - Comfort right hand armrest
    - vertical and horizontal adjustable
    - includes horn button
  - Infinitely adjustable steering wheel column
  - Nylon covered control handles with tactile feedback
  - Natural position for forward/reverse selector
  - Rubber floor mat/rubber covered pedals
- 10. Operator entry/exit
  - Extra wide step
  - Large entry/exit
  - Overhead guard post for easy hand hold
  - Contoured seat deck
  - Compact steering column and small steering wheel
  - Spinner knob with grips
  - Large uncluttered floorboard
- 11. 990 mm forks
- 12. 1120 mm wide fork carriage with upper thrust rollers
- 13. High visibility mast with in-line hose routing
- 14. Hour meter/event memory
- 15. No tool lift out floor boards
- 16. Three spool valve
- 17. O-ring face seal hydraulic fittings

- 18. Colour-coded wiring
- 19. 12-volt alternator
- 20. Drum brakes are standard on 2.0 and 2.5 ton trucks
- 21. Crown Power Brakes are standard on 3.0 ton trucks
- 22. Isomounted heavy duty steer axle with grease zerks
- 23. Single element air cleaner
- 24. Severe duty wet cell battery
- 25. e-Smart™: Low LPG fuel level indicator
- 26. Air filter restriction indicator
- 27. Tow pin
- 28. Horn
- 29. Radiator Grill
- 30. 3-way catalytic converter

#### **Optional Equipment**

- 1. On-Demand Cooling (ODC)
- 2. TL mast (2-stage)
- 3. TT mast (3-stage)
- 4. Quad mast (4-stage)
- 5. Polished and full taper forks (915, 990, 1015, 1100, 1145, 1220, 1370 and 1525 mm)
- 6. Quick disconnect hydraulic connections
- 7. Attachment pressure regulator and gauge
- 8. Special tilt angle
- 9. Tilt Position Assist TPA
  - Mast stops in vertical position
- 10. Load backrest heights (760, 915, 1020, 1065, 1220 and 1525 mm)
- 11. Accessory hydraulics, integrated sideshifter and other attachments
- 12. Clamp interlock switch
- 13. Work lights (Halogen or LED)
- 14. Strobe light (Halogen or LED)
- 15. Back-up and brake lights
- 16. Turn signals
- Smart travel alarm reverse, forward or both directions
- 18. Floor Spotlight, blue
- 19. Non-marking, smooth or lug rubber tyres
- Fixed LPG bottle bracket Brackets for LPG bottle in various diameters and lengths
- 21. Swing out and drop down bottle bracket
- 22. Rear post handle with horn button
- 23. Comfort suspension seat MSG 65 fabric
- 24. High comfort air suspension seat MSG 75 vinyl or fabric
- 25. Work Assist Accessories
  - Pad clip and hook
  - Accessory clamp

- Terminal mounting
- Fire extinguisher
- Operator fan
- Mirrors
- Cup holder
- Shrink wrap holder
- Storage net or pocket behind seat
- Storage compartment
- 26. Two pedal control with combination inching/brake
- 27. Radiator screen
- 28. Air intake pre-cleaner
- 29. Belly pan
- 30. Positive/Negative accessory cable
- 31. InfoLink ready
- 32. Counterweight Grill
- 33. Mirrors Plastic or Glass
- 34. 1345 mm wide carriage
- 35. Seltbelt Interlock, orange

# Driveability

A wide entry step at low height greatly improves entry/exit on both sides of the truck.
The V-contoured engine cover allows the operator to easily glide into the truck's seat.
The curved posts of the overhead guard open up the entry/exit window and provide a comfortable grip location for a variety of operator heights.

Further facilitating entry/exit is a spring-loaded, tilt steering column that easily moves up and away. The spacious floor board is uncluttered and includes a webbed floor mat that insulates the operator from vibration and heat.

Additional operator comfort is achieved through reduced inching and brake pedal efforts along with a lower pedal height off the floor.

Crown's Intrinsic Stability System achieves improved operator confidence through a proactive approach to safety and stability. Integrated into the truck's components and control system, Crown's Intrinsic Stability System includes the following features:

- Greater mass and low centre of gravity
- Tilt interlock
- Tilt speed control
- Stalled engine braking and steering
- Hill hold
- Ramp speed control

The C-5 features excellent visibility everywhere you look: a low front dash board for fork and carriage visibility, a high visibility mast, a compact steering column, a sculpted floorboard design, an overhead guard top plate and bar configuration and a low LPG bottle height.

The control handles are crafted into the compartment and designed to provide tactile feedback for easy selection. Actuation forces are minimal and responsive. The switch operated parking brake with tone alert enhances operator entry/exit and naturally encourages its use. A large convex horn button is housed in the center of the steering wheel. Isolation systems for the engine and the operator cell virtually eliminate all vibrations to the operator. Hot air is directed away from the operator by a large counterweight opening with a wedge deflector.

## Powertrain

Derived from a diesel engine, the C-5 Series features an industrial in-line 4 cylinder 2.4L emissions compliant LPG engine with a specific 3-way catalytic converter designed to reduce carbon monoxide, hydrocarbons and oxides of nitrogen.

The heavy duty industrial engine includes a heat resistant cast iron block and head. The 7.6 liter oil capacity and standard engine oil cooler offer additional cooling for improved thermal capacity and extended component life.

A gear-driven valve train and auxiliary pump eliminates belt or chain adjustments. Operator comfort is further increased through internal balancing of the engine.

The Carraro TA135 single speed hydrodynamic power shift transmission offers an optimised gear construction for low noise and vibrations and increased efficiency. The robust design of the Carraro transmission includes forged gears and drive shaft, ductile iron axle, differential support housings and high temperature seals and o-rings, all contributing to increased life and durability.

#### Cooling

A standard Dual Open-Core Radiator offers separate cooling for the engine and transmission and is isolated from the truck, separating it from impact and improving radiator life. The open core feature offers large spacing between cooling fins for reduced clogging. Air flow is maximised by a ten-blade fan that increases radiator performance and efficiency. The full fan shroud surrounds the radiator core surface. Its two-piece design aids in serviceability and is sealed to prevent air flow from bypassing the radiator core. Air flow is further maximised by the custom venturi design that directs air over the entire surface of the radiator.

Crown's optional On-Demand Cooling System delivers precise cooling and radiator clearing for economical savings and uptime in harsh environment applications. Precise cooling is achieved through an independent radiator fan that automatically adjusts its speed to manage engine and transmission temperatures. The independent fan also allows for optimal radiator clearing by reversing its direction at engine start.

## **Power Brake**

The Crown Power Brake is a unique hydraulic powered, full circle brake with few parts and larger friction areas that contribute to longer brake life. This design reduces operator pedal effort, improves brake responsiveness and features direct and easy access to the friction pad, which reduces downtime for brake maintenance. The parking brake is an integral part of the service brake and is activated by a one-touch push button located on the dashboard to the right of the steer wheel column. An audible alarm reminder is standard.

#### **Hvdraulics**

The C-5 Series premium hydraulic function control valve provides a precise metering of lift, tilt and accessory functions. Operator stress is reduced through minimal hydraulic lever actuation.

Crown's lift/tilt interlock system provides extended forward tilt at low fork heights and reduced forward tilt at elevated heights for improved truck stability. The interlock system also inhibits accidental hydraulic functions when the operator is out of the seat. The tilt compensator maintains proper tilt speed control under all load conditions.

Maximum lowering speed is limited by a pressure compensating flow control valve and velocity fuses. Integrated hydraulic cylinder cushions soften mast staging. All lift cylinder rams are plated and when the forks are lowered, retract into the hydraulic oil for additional corrosion protection.

The steel oil reservoir is integral to the frame, aiding in the dissipation of hydraulic oil heat. This clean, leak-free design includes a suction strainer with separate, easily accessible fill port and dipstick with a dual filtered breather. Hydraulic oil is returned through an environmentally friendly cartridge filter, which is easily serviced.

A 2-stage filtration system on the breather/dipstick offers superior protection from contamination to the hydraulic oil and from oil misting, which could create a dirty residue on the inside of the engine compartment.

The steering and power brake systems are also hydraulic powered, assisting in the reduction of operator fatigue and improved productivity.

#### **Mast Assembly**

The heavy-duty mast of the C-5 Series is engineered to provide smooth, reliable operation without compromising strength or quality. The large, rugged mast trunnions are mounted on the drive axle. Securing the mast are extra heavy tilt cylinders with selfaligning bushings. Crown's high visibility mast features a nestedrail design with lift cylinders positioned behind the rails.

Inline hose routing also reduces visual interference. Large hydraulic hose pulleys and hose placement are engineered to reduce hose wear and increase hose life. Large lift chains are used for long reliable service life.

#### **Carriage**

A FEM / ISO / ITA Class II A carriage is standard on C-5 2.0 and C-5 2.5 model range, a FEM / ISO / ITA Class III A carriage is standard on C-5 3.0 models.

An optional hook-on type ISO sideshifter or other attachments are easy to add.

#### **Steering**

A fully hydrostatic steering system with equal area and double-acting cylinder provides an equally responsive steering rate both ways (4.8 turns lock to lock). The rugged axle frame, forged spindle and connecting links eliminate the need for adjustment. A two-piece spindle and kingpin with tapered roller bearings improves life and serviceability. Spherical bearings with straight pins in the connecting links eliminate any play in the linkage. All bearing locations are sealed to exclude contaminants and are equipped with lubrication fittings for ease of service. The steer axle articulates in a rubber isolation bushing to improve truck handling and ride.

#### **Electrical System**

The C-5 Series comes with a standard serveral duty battery. The severy duty provides 510 cold cranking amps. Exclusive on-board information and diagnostics system includes fully integrated Access 1 2 3® Comprehensive System Control with CAN Bus communication. Features include:

- Engine diagnostics
- Truck level diagnostics
- Component analyser
- Password protection
- Speed control features
- Performance modes

Crown display is fully integrated, giving the operator and service technician real time information and messaging for event codes, fuel level, truck hours or real time speed. The alpha-numeric display serves as the communication nerve centre with the following indicator lights:

- Alternator/battery
- Malfunction
- Seat belt
- Park brake status
- Low oil pressure
- High transmission temperature
- Engine coolant temperature
- Multi-stage fuel level lights

All wire harnesses are wrapped with corrugated sleeving and are fully sealed with ultrasonically welded connections for improved reliability and durability.

All electrical connectors are sealed to IP67.

#### **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.