

15D/17/20/22

ELECTRIC 24/36 VOLT 3000 / 3500 / 4000 / 4500 lbs. (1350 / 1600 / 1800 / 2000 kg)











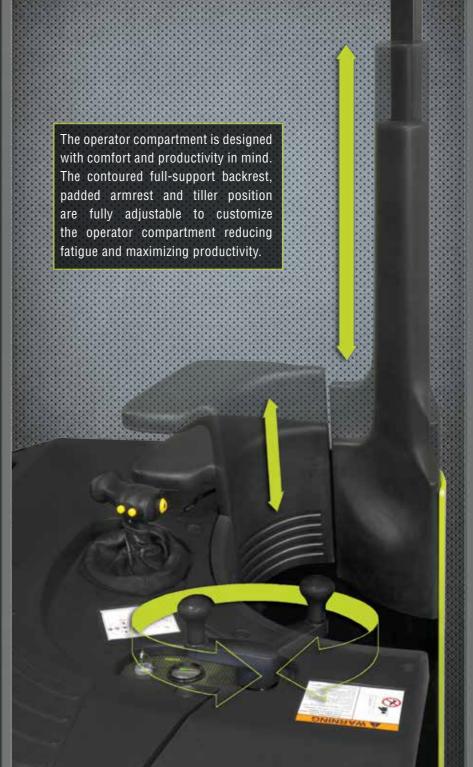
Reliable Performance with State of the Art Technology

The CLARK NPX 100% AC design, matched with energy-efficient components, delivers improved acceleration, travel and lifting speeds, increasing productivity. Operators have greater control to move product with more confidence. Reliable components require less service lowering overall costs.



The NPX operator compartment and controls are designed with the operator standing at 65 degrees from center. This provides the widest range of flexibility and visual confirmation when traveling and handling loads to maximize productivity

Maximum Visibility + Minimum Fatigue = Increased Safety & Product Integrity



Silent-staging upright helps to reduce shock and vibration. Nested I-beam rails provide strength and rigidity. Cylinder and hose routing design provides open field of vision improving operator confidence.



Performance and NPX Safety in Mind

Rugged and reliable the new CLARK NPX series forklift trucks offer superior controllability, excellent front and rear visibility and high-speed operation to help increase productivity and profit while at the same time helping to improve operator safety. And maintenance has been made easier than ever. For increased performance, count on the CLARK NPX.



NPX 15D 3,000 lbs **NPX 17** 3,500 lbs **NPX 20** 4,000 lbs NPX 22 4.500 lbs

STATE OF THE ART TECHNOLOGY

- Advanced 100% AC motors and controllers.
- Electro-mechanical brakes.
- Electronic speed-sensitive power steering.
- High efficiency hydraulic system.

BRAKING

- Primary (electric) braking provided through electronic controller.
- Service brake engages automatically at zero
- Electro-mechanical brake reduces components and complexity.
- Smooth, consistent braking in all load and travel conditions.

Design and Testing

At CLARK Material Handling Co. we have learned from over one hundred years designing and building forklifts that they need to be designed from the ground up to be reliable. We perform extensive testing to ensure that our electric forklift trucks meet high environmental standards and provide reliable operation in most environments. Testing of components, subassemblies and complete products goes hand in hand with all phases of the design and production cycle.



TRUE MULTIFUNCTION CONTROL

CLARK Designed Control Handle

3-Function design allows simultaneous operation of (1) travel, (2) lift or lower AND (3) one additional hydraulic function.

Integrated Mini-Thumbstick

· Controls Tilt & Reach + Side Shift.

Makes for One Smooth Operator

- Handle is 100% proportional using (solid state) Hall-effect components.
- Designed to fit a wide range of hand sizes and still give that "custom fit" feel for better ergonomics and less operator fatigue.

ELECTRONIC STEERING

- Speed-sensitive steering provides optimal control when transporting or positioning
- Self-centering function aligns drive wheel
- Tiller can be placed in preferred position by individual operator.
- Quiet and energy efficient.





Standard Equipment

- Key switch
- Load backrest extension
- Electronic horn
- Rear overhead guard post protection
- Heavy-duty battery rollers
- Battery retainers

Metal capacity plate

- Lever type battery connect-disconnect U.L. Classified EE rating

Side shifter

Strobe warning lights

Available Equipment

Freezer conditioning

Reverse steering

Operating lights

Travel alarms

CALL OR VISIT CLARK TO LEARN MORE ABOUT THE NPX SERIES 866-252-5275 • www.clarkmhc.com

GENERAL DATA & STANDARD DIMENSIONS

Upright Table

| Maxin Fork I in | num Height mm | Overa Lowe in | ıll Height red mm | Free Lift** in mm |
|--|--|--|--|--|
| Triple S | tage | | | |
| 198 210 240 258 270 300 318 • 330 | 5029 5334 6096 6553 6858 7620 8077 8382 9296 | 89 95 107 113 119 131 139 149 | 2261 2413 2718 2870 3023 3327 3531 3785 4089 | 54 1372 60 1524 72 1829 78 1981 84 2134 96 2438 104 2642 114 2896 126 3200 |

For overall height raised with load backrest, add 48 in (1219 mm) to maximum fork height. Other uprights available, contact Clark representative. Uprights above 270" N/A on NPX17.

• NPX 15D, NPX 22 only.

Carriage Widths*/Fork Spread in(mm)

| Carriag Width | je | Fork Spread w/o Side Sl | | Fork Spread w/ Side Shi | |
|------------------|------------|----------------------------|------------------------|----------------------------|------------------------|
| in | mm | max | min | max | min |
| 33 37 | 838 940 | 31.0(787) 35.0(889) | 13.0(330) 13.0(330) | 27.7(704) 27.7(704) | 22.3(566) 22.3(566) |

* 37 in. wide carriages available with outrigger I.D. 38 in. and greater (40 in. and greater with 10.5 in. load wheels.)

NPX Min. Right Angle Stack Aisle in(mm)*

| Pallet or Load Size Length x Width | 13.88(353) | Battery Com 16.13(410) | npartment (L) 18.5(470)* | *21.0(533)** |
|---------------------------------------|------------|---------------------------|-----------------------------|--------------|
| 36x30(914x762) | 82.2(2088) | 84.1(2136) | 86.8(2205) | 89.0(2261) |
| 42x36(1067x914) | 87.1(2212) | 89.2(2266) | 92.1(2339) | 94.5(2400) |
| 36x40(914x1016) | 82.0(2083) | 83.9(2131) | 86.8(2205) | 89.0(2261) |
| 40x40(1016x1016) | 84.8(2154) | 86.8(2205) | 89.6(2276) | 91.9(2334) |
| 48x40(1219x1016) | 93.0(2362) | 95.1(2416) | 98.2(2494) | 100.6(2555) |
| 48x42(1219x1067) | 92.8(2357) | 94.9(2410) | 98.0(2489) | 100.4(2550) |
| 48x44(1219x1118) | 92.6(2352) | 94.7(2405) | 97.7(2482) | 100.2(2545) |
| 48x48(1219x1219) | 92.2(2342) | 94.3(2395) | 97.3(2471) | 99.8(2535) |

- * Add 6 to 8 inches clearance for ease of operation. Dimensions are based on 42 inch I.D. outrigger with 5 x 3.76 in. load wheels and 4" clearance each side of load.
 **Add 8" for NPX 15D (plus operating clearance).



Outrigger Dimensions - I.D./O.D. (in)

| Dual 5 x 3.76 Load Wheels | Dual 5 x 3.01 Load Wheels Toe Box Width 4.5 in | Single 10.5 x 4.5 Load Wheels Toe Box | Dual 4 x 2.62 Load Wheels Toe Box |
|---|--|---|--|
| Toe Box Width 5.5 in I.D. O.D. | I.D. O.D. | Width 6.0 in I.D. O.D. | Width 4.5 in I.D. O.D. |
| 33 44 34 45 36 47 38 49 40 51 41 52 42 53 44 55 46 57 48 59 50 61 | 33 42 34 43 35 44 37 46 39 48 41 50 42 51 43 52 45 54 47 56 49 58 51 60 | 36.25 48.25 38.25 50.25 40.25 52.25 41.25 54.25 42.25 54.25 44.25 56.25 46.25 58.25 48.25 60.25 50.25 62.25 | 33 42 34 43 35 44 37 46 39 48 41 50 42 51 43 52 45 54 47 56 49 58 51 60 |

Outrigger Dimensions - I.D./O.D. (mm)

| Dual 127 x 96 | Dual 127 x 76 | Single 267 x 114 | Dual 102 x 67 |
|---|---|---|---|
| Load Wheels | Load Wheels | Load Wheels | Load Wheels |
| Toe Box | Toe Box | Toe Box | Toe Box |
| Width 140mm | Width 114mm | Width 152mm | Width 114mm |
| I.D. O.D. | I.D. O.D. | I.D. O.D. | I.D. O.D. |
| 838 1118 864 1143 914 1194 965 1245 1016 1295 1041 1321 1067 1346 1118 1397 1168 1448 1219 1499 1270 1549 | 838 1067 864 1092 889 1118 940 1168 991 1219 1041 1270 1067 1295 1092 1321 1143 1372 1194 1422 1245 1473 1295 1524 | 921 1226 972 1276 1022 1327 1048 1353 1073 1378 1124 1429 1175 1480 1226 1530 1276 1581 | 838 1067 864 1092 889 1118 940 1168 991 1219 1041 1270 1067 1295 1092 1321 1143 1372 1194 1422 1245 1473 1295 1524 |

Battery Weights & Compartment Dimensions

| Width | (W) | Length | (L) | Height | t (H) | Min. W | eight |
|----------------------------------|------------|----------------------------------|--------------------------|------------------------------|--------------------------|------------------------------|-------|
| in | mm | in | mm | in | mm | lbs. | kg |
| 38.75 38.75 38.75 38.75 | 984 984 | 13.88 16.13 18.50 21.00 | 353 410 470 533 | 32.0 32.0 32.0 32.0 | 813 813 813 813 | 1590 1885 2175 2460 | |

Maximum Battery Size

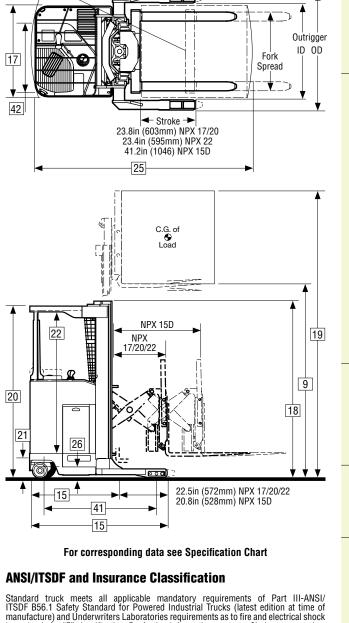
| Width (\ | W) | Length | (L) | Heigh | t (H) |
|----------------------------------|------------|----------------------------------|------------|------------------------------|------------|
| in | mm | in | mm | in | mm |
| 38.69 38.69 38.69 38.69 | 983 983 | 13.50 15.75 18.00 20.50 | 400 457 | 31.5 31.5 31.5 31.5 | 800 800 |

Operator Compartment/ Overhead Guard Dimensions

| Maxi Fork in | mum Height mm | ļ | nside | oartment e mm | | head Height mm |
|---|--|----------------------|----------------------------|--|--|--|
| 198 210 240 258 270 300 318 330 366 | 5029 5334 6096 6553 6858 7620 8077 8382 9296 | \$ \$ \$ \$ | 81 81 81 81 81 | 1905 2057 2057 2057 2057 2057 2057 2057 20 | 89 95 95 95 95 95 95 95 | 2261 2413 2413 2413 2413 2413 2413 2413 |

^{*} NPX 15D, NPX 22 only.

STANDARD SPECIFICATIONS



Standard truck meets all applicable mandatory requirements of Part III-ANSI/ ITSDF B56.1 Safety Standard for Powered Industrial Trucks (latest edition at time of manufacture) and Underwriters Laboratories requirements as to fire and electrical shock hazard only for "E" classification. For further information contact a Clark representative.

Users should be aware of, and adhere to, applicable codes and regulations regarding operator training, use, operation and maintenance of powered industrial trucks, including:

- ANSI/ITSDF B56.1
 NFPA 505, fire safety standard for powered industrial trucks type designations, areas of use, maintenance and operation.

 Occupational Safety and Health Administration (OSHA) regulations that may apply.

Contact your authorized CLARK forklift truck dealer for further information including operator training programs and auxiliary visual and audible warning systems, fire extinguishers, etc., as available for specific user applications and requirements.

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

Grade Clearance: The NPX is not designed for operation on or over grades. NPX is designed to operate on level ground only

Specifications, equipment, technical data, photos and illustrations are based on information at time of printing and are subject to change without notice. Some products may be shown with optional equipment.

| 1 | Manufacturer | | | CLARK | CLARK | CLARK | CLARK |
|----------------------------|------------------------|---|----------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| 2 | Model | Manufacturer's Designation | | NPX17 | NPX20 | NPX22 | NPX15D |
| 3 | Load Capacity | S . | lbs(kg) | 3500 (1600) | 4000 (1800) | 4500 (2000) | 3000 (1350) |
| 4 | Load Center | Fork Face to Load CG | in(mm) | 24 (600) | 24 (600) | 24 (600) | 24 (600) |
| 2 3 4 5 6 7 | Power Unit | Electric | () | Dual 24 volt / 36 volt | Dual 24 volt / 36 volt | 36 volt | 36 volt |
| 6 | Operator Type | 2.000.10 | | Rider Reach | Rider Reach | Rider Reach | Rider Double Reach |
| 7 | Tire Type | | | Solid | Solid | Solid | Solid |
| 8 | Wheels (x=driven) | Front/Rear | | 4/2 (1x) | 4/2 (1x) | 4/2 (1x) | 4/2 (1x) |
| 9 | vviicois (x=urivoir) | Ποπιγτισαι | | 7/2 (1A) | 7/2 (1/) | 7/2 (17) | ٦/٢ (١٨) |
| 10 | Upright ³ | Lift Height (Preferred Upright) | in(mm) | 210 (5334) | 210 (5334) | 210 (5334) | 210 (5334) |
| 11 | | Freelift | in(mm) | 60 (1524) | 60 (1524) | 60 (1524) | 60 (1524) |
| 12 | | Back/Forward | degrees | 4/3 | 4/3 | 4/3 | 4/3 |
| 13 | Fork | Std. Fork Size (T x W x L) | in(mm) | 1.75 x 4 x 42 (44 x 102 x 1067) | 1.75 x 4 x 42 (44 x 102 x 1067) | 1.75 x 4 x 42 (44 x 102 x 1067) | 1.75 x 4 x 42 (44 x 102 x 1067) |
| 14 | | Width of Carriage | in(mm) | 33 (838) | 33 (838) | 33 (838) | 33 (838) |
| 15 | - | Length to Fork Face | in(mm) | 48.1 (1222) | 48.1 (1222) | 51.1 (1298) | 61.0 (1550) |
| | Overall Difficusions | - | | 70.25 (1784) | | | 81.8(2078) |
| 16 17 18 19 20 | | Overall length, less forks | in(mm) | | 70.25 (1784) | 75.9(1928) | |
| 16 | | Outrigger ID/OD | in(mm) | See Outrigger Dimension Chart |
| 17 | | Frame Width | in(mm) | 40.25 (1022) | 40.25 (1022) | 40.25 (1022) | 40.25 (1022) |
| 18 | | Height, Upright Lowered | in(mm) | 95 (2413) | 95 (2413) | 95 (2413) | 95 (2413) |
| 19 | | Height, Upright Extended | in(mm) | 258 (6553) | 258 (6553) | 258 (6553) | 258 (6553) |
| 20 | | Height, Overhead Guard | in(mm) | 95 (2413) | 95 (2413) | 95 (2413) | 95 (2413) |
| 21 | Step Height | Ground to Top of Floor Plate | in(mm) | 12.2 (310) | 12.2 (310) | 12.2 (310) | 12.2 (310) |
| 22 | | Top of Floor Plate to Bottom of OHG | in(mm) | 81 (2057) | 81 (2057) | 81 (2057) | 81 (2057) |
| 23 | Turning Radius | | in(mm) | 66.5 (1689) | 66.5 (1689) | 69.7 (1770) | 76.14 (1934) |
| 24 | | | | | | | |
| 25 | | 48 in x 40 in pallet | in(mm) | 93 (2362) | 93 (2362) | 98.2 (2494) | 106 (2692) |
| 26 |) | WxLxH | in(mm) | 38.75x13.88x32 (984x353x813) | 38.75x13.88x32 (984x353x813) | 38.75x18.5x32 (984x470x813) | 38.75x18.5x32 (984x470x813) |
| | Battery Roller Height | Ground to Top of Rollers | in(mm) | 6.25 (159) | 6.25 (159) | 6.25 (159) | 6.25 (159) |
| 27 | Stability | According to ANSI | | Yes | Yes | Yes | Yes |
| 28 | Speeds- Forks Trailing | Travel Speed, Max, With Load ⁵ | mph(kph) | 6.8 (10.9) / 7.5 (12.0) | 6.6 (10.6) / 7.5 (12.0) | 7.5 (12.0) | 7.5 (12.0) |
| 29 | | Travel Speed, Max, Without Load⁵ | mph(kph) | 7.5 (12.0) / 7.5 (12.0) | 7.5 (12.0) / 7.5 (12.0) | 7.5 (12.0) | 7.5 (12.0) |
| 30 | | Lift Speeds, Loaded | fpm(mps) | 69 (.35) / 98 (.50) | 67 (.34) / 92 (.47) | 77 (0.39) | 105 (0.53) |
| 31 | | Lift Speeds, Unloaded | fpm(mps) | 115 (.58) / 130 (.66) | 115 (.58) / 130 (.66) | 130 (0.66) | 130 (0.66) |
| 32 | | Lower Speeds, Loaded | fpm(mps) | 105 (.53) | 105 (.53) | 105 (.53) | 105 (.53) |
| 33 | | Lower Speeds, Unloaded | fpm(mps) | 95 (.48) | 95 (.48) | 95 (.48) | 95 (.48) |
| 34 | Service Weight, TSU | W/Min Battery Weight | lbs(kg) | 6620 (3002) | 6900 (3129) | 7988 (3623) | 8367 (3795) |
| 35 | Axle loading | With Load, Front | lbs(kg) | 6402 (2903) | 7025 (3186) | 8274 (3752) | 6714 (3045) |
| 36 | | With Load, Rear | lbs(kg) | 3718 (1686) | 3875 (1757) | 4214 (1911) | 4653 (2110) |
| 37 | | W/O Load, Front | lbs(kg) | 2570 (1166) | 2645 (1200) | 3091 (1402) | 3259 (1478) |
| 38 | | W/O Load, Rear | lbs(kg) | 4050 (1837) | 4255 (1930) | 4897 (2221) | 5108 (2317) |
| 39 | Tires/Wheels | Number, Front/Rear | (0) | 4/2 | 4/2 | 4/2 | 4/2 |
| 40 | | Size, Load Wheels | in(mm) | (4) 5 x 3.76 urethane (127x96) |
| | | Size, Rear Drive/Steer | in(mm) | 13.5 x 5.5 rubber (343 x 140) | 13.5 x 5.5 rubber (343 x 140) | 13.0 x 5.5 urethane (330 x 140) | 13.0 x 5.5 urethane (330 x 140) |
| | | Size. Rear Caster | in(mm) | 8 x 4 urethane (203 x 102) |
| 41 | Wheelbase | ., | in(mm) | 56.1 (1425) | 56.1 (1425) | 61.7 (1567) | 65.75 (1670) |
| 42 | | Rear | in(mm) | 28.7 (729) | 28.7 (729) | 28.7 (729) | 28.7 (729) |
| 43 | | | () | | 25 (. 25) | 20 (. 20) | 23 (120) |
| 44 | Ground Clearance | With 5 in diameter load wheels | in(mm) | 1.75 (44) | 1.75 (44) | 1.75 (44) | 1.75 (44) |
| 45 | | 2 2.2co. road miloto | () | 5 (, | = (, | 5 () | 3 (11) |
| 46 | Service Brake | Туре | | Regenerative | Regenerative | Regenerative | Regenerative |
| 47 | | Туре | | Auto-Electro-Magnetic | Auto-Electro-Magnetic | Auto-Electro-Magnetic | Auto-Electro-Magnetic |
| | Steering State | Туре | | Power | Power | Power | Power |
| 48 | | Туре | | Lead-Acid | Lead-Acid | Lead-Acid | Lead-Acid |
| -10 | Duttory | Max Capacity (6 hr. Rate) 24V/36V | kWh | 28.9 / 27.0 | 28.9 / 27.0 | 37.6 | 37.6 |
| | | Weight, Min | lbs(kg) | 1590 (722) | 1590 (722) | 2175 (987) | 2175 (987) |
| 49 | Motors, Controls | Drive Motor, Diameter | | 7.9 (200) | | 7.9 (200) | 7.9 (200) |
| 49 | IVIOLOTS, CONTUUS | | in(mm) | | 7.9 (200) | | |
| | | Hydraulic Motor, Diameter | in(mm) | 6.7 (170) | 6.7 (170) | 6.7 (170) | 6.7 (170) |
| | | Steer Motor, diameter | in(mm) | 4.2 (106.5) | 4.2 (106.5) | 4.2 (106.5) | 4.2 (106.5) |
| | | Drive Motor Control | Type | AC Induction Motor Controller | AC Induction Motor Controller | AC Induction Motor Controller | AC Induction Motor Controlle |
| | | Speed Control | Type | Solid State | Solid State | Solid State | Solid State |
| | | Hydraulic Motor Control | Туре | AC Induction Motor Controller |
| | | Steer Motor Control | Type | AC Induction Motor Controller |

- Notes: 1 Specifications are for truck with tandem 5 in (127 mm) diameter x 3.76 in (96mm) wide load wheels. Other sizes are also available. 2 Specifications are for truck with 210 in (5334 mm) MFH upright, 42 in (1067 mm) outrigger ID and 33 in (838 mm) sideshifter (deduct 50 lb.
 - (23kg) for weight less SS). Battery compartment dimensions as noted.

 3 See Upright Table for other available uprights.

- Right angle stacking aisle for pallet size shown. Add 6-8 in (152-203 mm) for operating clearance. See "General Data" for other pallet sizes. Travel speed reduced to 6.75 mph (10.8 kph) when traveling forks leading.



- We don't just build forklifts. As a company, we are also focused on providing our customers with the best possible technica service support and aftermarke parts available.
- Even though our busines starts with a quality, cost effective product, ou organization understands that is the support and services w provide after the sale that hely keep your business running a peak efficiency.
- THE CLARK PartsPRO Plus®
 SYSTEM is our industry-leading electronic parts and service documentation tool that provides dealers with a quick and accurate method of identifying parts for every CLARK forklift built since 1961. PartsPRO® ensures the availability of the most current technical information and has the unique capability to create parts manuals specific to your mixed CLARK fleet, making it simple to positively identify and order the correct part(s) from your local CLARK dealer. The right CLARK part —

• UNRIVALED PARTS SUPPORT Our Aftermarket Distribution Center provides parts to over 250 North American CLARK dealer locations and many international dealers. This CLARK operated 184,000 square foot facility is dedicated to supporting the CLARK models built over the last 90 years. This facility is focused on providing excellent off-the-shelf availability, quality parts, quick response time and competitive pricing.

DEPENDABLE PARTS = DEPENDABLE TRUCKS





BUILT TO LAST.



CLARK MATERIAL HANDLING COMPANY

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