

15D/17/20/22

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











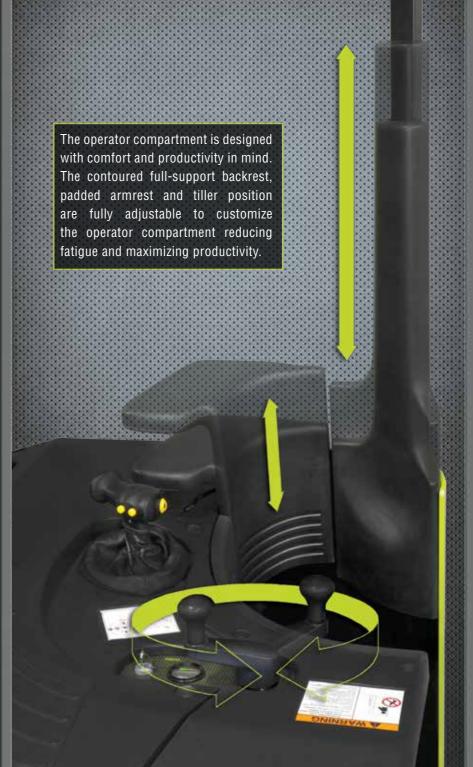
Reliable Performance with State of the Art Technology

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

3-Function design allows simultaneous operation of (1) travel, (2) lift or lower AND

(3) one additional hydraulic function.

Integrated Mini-Thumbstick

CLARK Designed Control Handle

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

Available Equipment

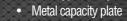
Freezer conditioning

Strobe warning lights

Reverse steering

Travel alarms

Side shifter



Operating lights

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

GENERAL DATA & STANDARD DIMENSIONS

Upright Table

Maxir Fork I in		Overa Lower in	ll 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 95 107 113 119 131 139 149 161	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)

Carriaç Width	je	Fork Sprea w/o Side S		Fork Sprea w/ Side Shi	
in	mm	max	min	max	min
33 37	838 940	31.0(787) 35.0(889)		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)

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
	heels
33 44 33 42 - - 33 34 45 34 43 - - 34 36 47 35 44 36.25 48.25 35 38 49 37 46 38.25 50.25 37 40 51 39 48 40.25 52.25 52.25 39 41 52 41 50 41.25 53.25 41 42 53 42 51 42.25 54.25 42 44 55 43 52 44.25 56.25 43 46 57 45 54 46.25 58.25 45 48 59 47 56 48.25 50.25 47 50 61 49 58 50.25 62.25 49 - 51 60 - 51	42 43 44 46 48 50 51 52 54 56 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. 0.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) mm	Length in	(L) mm	Height in	(H) mm	Min. W lbs.	eight kg
38.75 38.75 38.75 38.75	984 984		353 410 470 533	32.0 32.0 32.0 32.0	813 813 813 813	1590 1885 2175 2460	721 855 987 1116

Maximum Battery Size

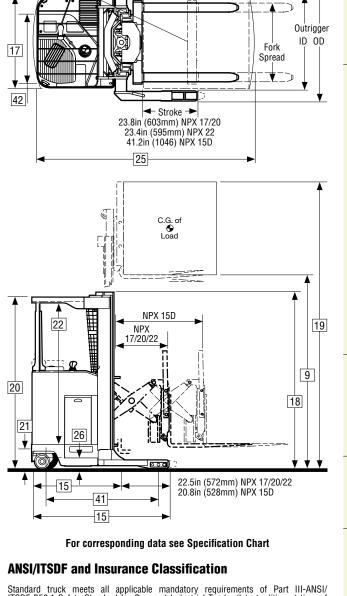
Width (W)	Length (L)	Height (H)
in mm	in mm	in mm
38.69 983	13.50 343	31.5 800
38.69 983	15.75 400	31.5 800
38.69 983	18.00 457	31.5 800
38.69 983	20.50 521	31.5 800

Operator Compartment/ Overhead Guard Dimensions

Maxim Fork He in r		Comp Inside in	oartment e mm	Overh Guard in	
210 5 240 6 258 6 270 6 300 7 318 8 330 8	5029 5334 5096 5553 5858 7620 5077 5382	75 81 81 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 241

^{*} 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		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)
5	Power Unit	Electric	,	Dual 24 volt / 36 volt	Dual 24 volt / 36 volt	36 volt	36 volt
6	Operator Type			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	Wildow (X-diffoli)	Trongrida		1,2 (17)	172 (177)	1/2 (1//)	1/2 (17)
10	Upright ³	Lift Height (Preferred Upright)	in(mm)	210 (5334)	210 (5334)	210 (5334)	210 (5334)
11	1 0	Freelift	in(mm)	60 (1524)	60 (1524)	60 (1524)	60 (1524)
12	Fork Tilt	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	Carriage	Width of Carriage	in(mm)	33 (838)	33 (838)	33 (838)	33 (838)
15	Overall Dimensions	Length to Fork Face	in(mm)	48.1 (1222)	48.1 (1222)	51.1 (1298)	61.0 (1550)
10	Overall Difficusions	Overall length, less forks	in(mm)	70.25 (1784)	70.25 (1784)	75.9(1928)	81.8(2078)
16		=					See Outrigger Dimension Chart
17		Outrigger ID/OD	in(mm)	See Outrigger Dimension Chart	See Outrigger Dimension Chart	See Outrigger Dimension Chart	
		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	0. 11.1.1	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	Head Clearance	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	Right Angle Stack Aisle4	48 in x 40 in pallet	in(mm)	93 (2362)	93 (2362)	98.2 (2494)	106 (2692)
26	Battery Compartment	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 Load⁵	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 Load ⁵	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	Axio loading	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					
39	Tiron M/hoolo		lbs(kg)	4050 (1837)	4255 (1930)	4897 (2221) 4/2	5108 (2317)
	Tires/Wheels	Number, Front/Rear	in/mm)	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)
	14/1	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	Track	Rear	in(mm)	28.7 (729)	28.7 (729)	28.7 (729)	28.7 (729)
43				. == 4		. ==	
44	Ground Clearance	With 5 in diameter load wheels	in(mm)	1.75 (44)	1.75 (44)	1.75 (44)	1.75 (44)
45							
46	Service Brake	Туре		Regenerative	Regenerative	Regenerative	Regenerative
47	Parking Brake	Туре		Auto-Electro-Magnetic	Auto-Electro-Magnetic	Auto-Electro-Magnetic	Auto-Electro-Magnetic
	Steering	Туре		Power	Power	Power	Power
48	Battery	Туре		Lead-Acid	Lead-Acid	Lead-Acid	Lead-Acid
		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	in(mm)	7.9 (200)	7.9 (200)	7.9 (200)	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	Туре	AC Induction Motor Controller	AC Induction Motor Controller	AC Induction Motor Controller	AC Induction Motor Controll
		Speed Control	Туре	Solid State	Solid State	Solid State	Solid State
		Hydraulic Motor Control	Туре	AC Induction Motor Controller	AC Induction Motor Controller	AC Induction Motor Controller	AC Induction Motor Controlle
		Steer Motor Control	Туре	AC Induction Motor Controller	AC Induction Motor Controller	AC Induction Motor Controller	AC Induction Motor Controlle

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.



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