

# NPR NSR

15D/17/20/22/25

ELECTRIC 24/36 VOLT  
3000 / 3500 / 4000 / 4500 / 5000 lbs.  
(1350 / 1600 / 1800 / 2000 / 2275 kg)

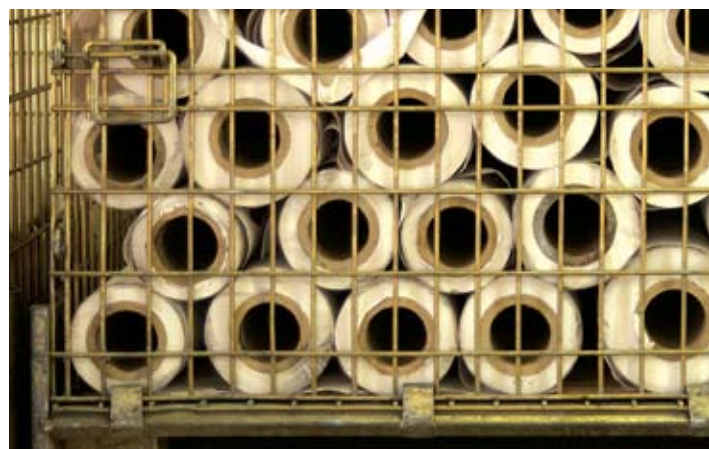


**CLARK**<sup>®</sup>  
**THE FORKLIFT**



- Rear posts add support to the overhead guard and help prevent objects from entering the operator compartment, keeping your employees as **safe** as possible.

- 12.2" H
- The **low step height** means frequent entry and exit is easy and less tiring for the operator.



## Highly Maneuverable, Easily Serviceable, Broadly Flexible, Extremely Dependable

The NPR/NSR family of reach and straddle trucks is designed to meet the performance and reliability requirements of today's demanding narrow aisle applications. **Ergonomic design, maneuverability and energy efficiency** combine to achieve **maximum productivity**.

# 65°

The NPR/NSR Operator Compartment and Controls are designed at **65 degrees from centerline** to offer the widest range of flexibility and visual confirmation to the operator's preferred stance (no shuffling required).

- Remove two bolts and swing open the access door to expose drive and power steering motors, lift pump and spin on filter. For the technicians's reference, decals on the inside of the door display electrical, hydraulic and lubrication information. Removing the top cover reveals the drive and power steering controls, hydraulic motor and valve. Floor plate can be lifted out for access to brake components.

**Maximum Visibility + Minimum Fatigue =  
Ultimate Safety & Product Integrity**



# NPR/NSR STANDARD FEATURES & BENEFITS



## HEAVY DUTY DRIVE AND HYDRAULIC MOTORS

### ■ Maximum Service Life

- Series-wound drive and hydraulic motors and a permanent-magnet power steering motor are all fan cooled, ventilated and class H insulated.



## ARTICULATING AXLE

### ■ Heavy Duty

- Cast axle supports both the drive and caster wheel assemblies.

### ■ Smooth Steering & Control



## MULTIFUNCTION CONTROL

### ■ Control Handle

- Travel speed, direction, lift, lower, tilt, reach, retract and sideshift functions are all combined into a single handle.
- Travel and one hydraulic function can be performed simultaneously.

### ■ Featherable

- Use of handle allows full feathering of all hydraulic functions.

### ■ Reduced Operator Fatigue

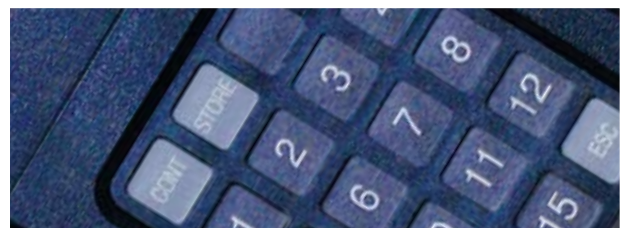
- Designed to be operated by major muscle groups and requires no lifting or twisting.

## 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
- Metal capacity plate

## Available Equipment

- Side shifter
- Freezer conditioning
- Reverse steering
- Back-up alarm
- Strobe warning lights
- Operating lights
- U.L. Classified EE rating



## FULLY ADJUSTABLE/PROGRAMMABLE

- A properly trained mechanic can completely customize parameters to operator's preference such as acceleration rate, creep speed and plugging rate.

## DUAL WHEEL BRAKES

### ■ Plugging

- The preferred method for stopping.

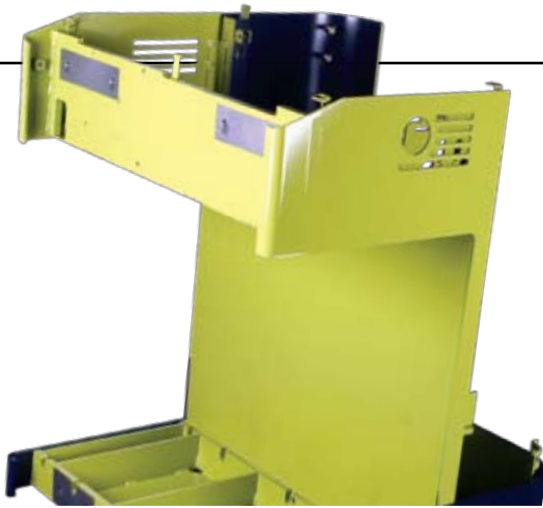
### ■ Parking Brake

- Automatically applied when foot leaves the pedal.

### ■ Drive Motor

- Brakes on drive motor output shaft and caster wheel.

### ■ 2 ways to stop the truck provides ultimate safety



### "BUILT TO LAST®" Frame

- Constructed of thick steel plates for the exceptional strength and durability you expect in a lift truck.



## CLARK UPRIGHT

### ■ 3-Stage Upright

- Shimable, sealed and canted load rollers maximize load distribution and reduce free play.
- Hydraulic cushioning valves provide silent staging reducing shock and vibration.

### ■ Pantograph Assembly

- Cylinders feature hydraulic cushioning to ensure smooth reach and retraction.
- Attached using spherical bushings to reduce stress and binding.

### ■ Load Lowering

- Additional flow control valves limit lowering in the event of failure.
- Controlled lowering speed regardless of condition.



## OPERATOR'S COMPARTMENT

### ■ 65°

- Operator compartment is set to 65° from the truck centerline allowing a wide range of comfortable operating positions.
- Excellent visibility in all directions.

### ■ 12.2" Step Height

- The NPR/NSR makes entry and exit easier than many competitive models.

### ■ On Demand Power Steering

- Motor idles at low rpm until demand increases.

# GENERAL DATA & STANDARD DIMENSIONS

## Upright Table

Maximum Fork Height		Overall Height Lowered		Free Lift**	
in	mm	in	mm	in	mm
<b>Standard Two Stage</b>					
198	5029	89	2261	54	1372
210	5334	95	2413	60	1524
240	6096	107	2718	72	1829
258	6553	113	2870	78	1981
270	6858	119	3023	84	2134
300	7620	131	3327	96	2438
318	8077	139	3531	104	2642
* 321	8153	139	3531	104	2642
* 330	8382	149	3785	114	2896
* 366	9296	161	4089	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 NPR17.

- \* NPR 15D, NPR 22, NSR 25 only.

## Carriage Widths\*/Fork Spread in(mm)

Carriage Width		Fork Spread w/o Side Shifter		Fork Spread w/ Side Shifter	
in	mm	max	min	max	min
33	838	31.0(787)	13.0(330)	27.7(704)	22.3(566)
37	940	35.0(889)	13.0(330)	27.7(704)	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.)

## NPR Min. Right Angle Stack Aisle in(mm)\*

Pallet or Load Size Length x Width	Battery Compartment (L)			
	13.88(353)	16.13(410)	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 NPR 15D (plus operating clearance).

## NSR Min. Right Angle Stack Aisle in(mm)\*

Pallet or Load Size Length x Width	Battery Compartment (L)			
	13.88(353)	16.13(410)	18.5(470)**	21.0(533)**
36x30(914x762)	79.7(2024)	81.6(2073)	86.1(2187)	88.3(2243)
42x36(1067x914)	82.3(2090)	84.3(2141)	87.6(2225)	89.8(2281)
36x40(914x1016)	82.0(2083)	83.9(2131)	88.2(2240)	90.4(2296)
40x40(1016x1016)	82.0(2083)	83.9(2131)	88.2(2240)	90.4(2296)
48x40(1219x1016)	89.5(2273)	91.6(2327)	95.1(2416)	97.4(2474)
48x42(1219x1067)	89.1(2263)	91.2(2316)	94.7(2405)	97.1(2466)
48x44(1219x1118)	88.8(2256)	90.9(2309)	94.4(2398)	96.7(2456)
48x48(1219x1219)	88.3(2243)	90.4(2296)	94.0(2388)	96.0(2438)

- \* Add 6 to 8 inches clearance for ease of operation. Dimensions are based on I.D. 2" wider than load, 5 x 3.76 load wheels and 7" clearance each side of load.

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

Dual 5 x 3.76 Load Wheels Toe Box Width 5.5 in		Dual 5 x 3.01 Load Wheels Toe Box Width 4.5 in		Single 10.5 x 4.5 Load Wheels Toe Box Width 6.0 in		Dual 4 x 2.62 Load Wheels Toe Box Width 4.5 in	
I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
33	44	33	42	-	-	33	42
34	45	34	43	-	-	34	43
36	47	35	44	36.25	48.25	35	44
38	49	37	46	38.25	50.25	37	46
40	51	39	48	40.25	52.25	39	48
41	52	41	50	41.25	53.25	41	50
42	53	42	51	42.25	54.25	42	51
44	55	43	52	44.25	56.25	43	52
46	57	45	54	46.25	58.25	45	54
48	59	47	56	48.25	60.25	47	56
50	61	49	58	50.25	62.25	49	58
-	-	51	60	-	-	51	60

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

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

## Battery Weights & Compartment Dimensions

Width (W)		Length (L)		Height (H)		Min. Weight	
in	mm	in	mm	in	mm	lbs.	kg
38.75	984	13.38	340	32.0	813	1400	636
38.75	984	13.88	353	32.0	813	1590	721
38.75	984	16.13	410	32.0	813	1885	855
38.75	984	18.50	470	32.0	813	2175	987
38.75	984	21.00	533	32.0	813	2460	1116

## Maximum Battery Size

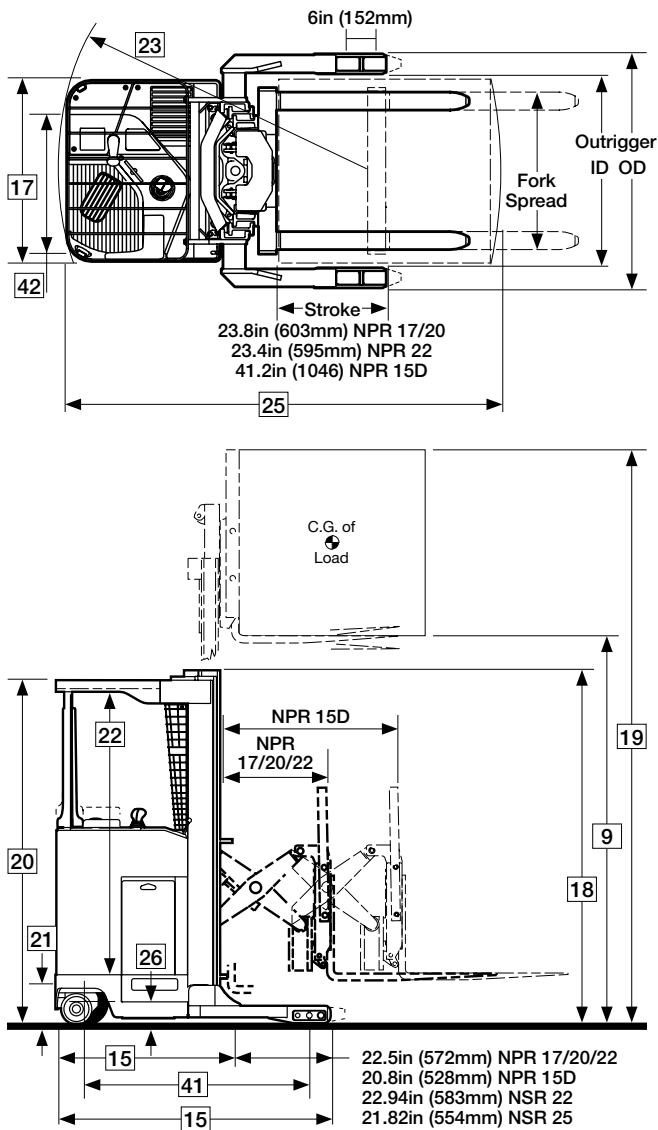
Width (W)		Length (L)		Height (H)	
in	mm	in	mm	in	mm
38.69	983	13.00	330	31.5	800
38.69	983	13.50	343	31.5	800
38.69	983	15.75	400	31.5	800
38.69	983	18.00	457	31.5	800
38.69	983	20.50	521	31.5	800

## Operator Compartment/Overhead Guard Dimensions

Maximum Fork Height		Compartment Inside		Overhead Guard Height	
in	mm	in	mm	in	mm
198	5029	75	1905	89	2261
210	5334	81	2057	95	2413
240	6096	81	2057	95	2413
258	6553	81	2057	95	2413
270	6858	81	2057	95	2413
300	7620	81	2057	95	2413
318	8077	81	2057	95	2413
* 321	8153	81	2057	95	2413
* 330	8382	81	2057	95	2413
* 366	9296	81	2057	95	2413

- \* NPR 15D, NPR 22, NSR25 only.

# STANDARD SPECIFICATIONS



For corresponding data see Specification Chart

## Notes

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.

## ANSI/ITSDF and Insurance Classification

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.

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.

- 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.

General Information	1	Manufacturer		
	2	Model	Manufacturer's Designation	
	3	Load Capacity		
	4	Load Center	Fork Face to Load CG	lbs(kg)
	5	Power Unit	Electric	in(mm)
	6	Operator Type		
	7	Tire Type		
	8	Wheels (x=driven)	Front/Rear	
Basic Dimensions <sup>1,2</sup>	9			
	10	Upright <sup>3</sup>	Lift Height (Preferred Upright)	in(mm)
	11		Freelift	in(mm)
	12	Fork Tilt	Back/Forward	degrees
	13	Fork	Std. Fork Size (T x W x L)	in(mm)
	14	Carriage	Width of Carriage	in(mm)
	15	Overall Dimensions	Length to Fork Face	in(mm)
			Overall length, less forks	in(mm)
	16		Outrigger ID/OD	in(mm)
	17		Frame Width	in(mm)
	18		Height, Upright Lowered	in(mm)
	19		Height, Upright Extended	in(mm)
	20		Height, Overhead Guard	in(mm)
	21	Step Height	Ground to Top of Floor Plate	in(mm)
	22	Head Clearance	Top of Floor Plate to Bottom of OHG	in(mm)
	23	Turning Radius		in(mm)
	24			
	25	Right Angle Stack Aisle <sup>4</sup>	48 in x 40 in pallet	in(mm)
26	Battery Compartment	W x L x H	in(mm)	
		Battery Roller Height	Ground to Top of Rollers	in(mm)
Performance	27	Stability	According to ANSI	
	28	Speeds	Travel Speed, Max, With Load	mph(kph)
	29		Travel Speed, Max, Without Load	mph(kph)
	30		Lift Speeds, Loaded <sup>5</sup>	fpm(mps)
	31		Lift Speeds, Unloaded <sup>5</sup>	fpm(mps)
	32		Lower Speeds, Loaded	fpm(mps)
33		Lower Speeds, Unloaded	fpm(mps)	
Weights <sup>2</sup>	34	Service Weight, TSU	W/Min Battery Weight	lbs(kg)
	35	Axle loading	With Load, Front	lbs(kg)
	36		With Load, Rear	lbs(kg)
	37		W/O Load, Front	lbs(kg)
	38		W/O Load, Rear	lbs(kg)
Chassis	39	Tires/Wheels	Number, Front/Rear	
	40		Size, Load Wheels	in(mm)
			Size, Rear Drive/Steer	in(mm)
			Size, Rear Caster	in(mm)
	41	Wheelbase		
	42	Track	Rear	in(mm)
	43			
	44	Ground Clearance	With 5 in diameter load wheels	in(mm)
45				
46	Service Brake	Type		
47	Parking Brake	Type		
	Steering	Type		
Drive Line	48	Battery	Type	
			Max Capacity (6 hr. Rate)	kWh
			Weight, Min	lbs(kg)
	49	Motors, Controls	Drive Motor, Diameter	in(mm)
			Hydraulic Motor, Diameter	in(mm)
			Steer/Auxiliary Motor, diameter	in(mm)
			Drive Motor Control	Type
		Speed Control	Type	
		Hydraulic Motor Control	Type	
		Steer/Auxiliary Motor, control	Type	
57				
58				







- We don't just build forklifts. As a company, we are also focused on providing our customers with the best possible technical service support and aftermarket parts available.
- Even though our business starts with a quality, cost-effective product, our organization understands that it is the support and services we provide after the sale that help keep your business running at peak efficiency.
- **THE CLARK PartsPRO® 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 feet, making it simple to positively identify and order the correct part(s) from your local CLARK dealer. The right CLARK part — The First Time, Every Time.
- **UNRIVALED PARTS SUPPORT** Our Aftermarket Distribution Center provides parts to over 250 North American CLARK dealers 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**

To Find Your Nearest Authorized CLARK Dealer, Visit Our Website [www.clarkmhc.com](http://www.clarkmhc.com)



**BUILT TO LAST.®**



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**NPR/NSR 15D/17/20/22/25**  
59-894-1053 Printed in USA CR03085M

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