



WALKIE STACKERS RWS Series

# RWS Series Walkie Stacker

BREAKTHROUGH IN DESIGN

Advanced ergonomics, engineering, materials and the highest quality electrical, hydraulic, and mechanical components are incorporated into the Rol-Lift RWS Series Walkie Stacker. The transmission features maintenance free internal brakes in an oil bath and the drive train carries a full two year warranty. Other features, such as adjustable straddles and a programmable electronic travel control create a safer, more efficient and more easily maintainable walkie stacker.

## BATTERIES

- 210 AH hours rating, (4-12 volt 105 AH hours rating, minimum maintenance deep cycle) with removable tray
- Battery compartment accepts industrial batteries to 275 AH

## BATTERY CHARGER

- 115/1/60 15 amp onboard charger with overload protection
- Direct wired to batteries for error free charging
- 12hour timer automatically tapers to finish rate

## WHEELS AND TIRES

- Press-on 10" x 4", white non-marking drive tire, taper mounted hub design for fast easy servicing
- Poly straddle wheels 4" x 2" with precision sealed ball bearings

## SOLID STATE SPEED CONTROLLER

- Programmable, high power, high efficiency for energy saving motor and battery operation
- Allows battery efficiency and usage to increase by up to 50%
- Smooth, stepless, adjustable travel speeds and acceleration rate
- Diagnostic test and fault information
- Smooth controlled plug braking

## HYDRAULIC SYSTEM

- Adjustable lowering valve allows loaded and unloaded lowering speed adjustments
- In-line oil filter
- Heavy duty motor, gear pump, check and relief valve
- Overload pressure relief valve protects system from pressure overload and bypasses oil to reservoir when system reaches maximum pressure
- Piston style lift cylinder includes micro finished surface and high quality polyurethane seals
- Lifting and lowering functions feature "soft start - soft stop" electro-hydraulic acceleration and deceleration valving

## CONTROL HANDLE

- Ergonomic design - extra large push buttons for raise, lower and horn functions are easily accessible even with gloved hands
- Large safety reversing button propels truck away from operator and sounds horn if contact with operator made while unit is in reversing mode
- Dual forward/reverse grip controls for thumb or twist operation
- Automatic "dead man" type braking with power cut-off switch when brake is applied

## STRADDLE LEGS

- Adjustable to 50" with guarded tips to protect straddle wheels
- Standard underclearance of 1.25"

## TRAVEL SPEEDS

- Infinitely variable stepless forward and reverse control
- Programmable electronics allow custom setting of speeds

CHARACTERISTICS	Manufacturer	(Abbreviation / Symbol)	Rol-Lift		
	Model	Manufacturer's designation	RWS-15	RWS-22	RWS-30
Capacity	Q	Rated capacity	1,500 lb	2,200 lb	3,000 lb
Load center	C	Distance (Back cover)	24"		
Power type		Electrical	24 volt		
Control type		Hand, Pedestrian, Ride-On	Hand / Pedestrian		
Tire equipment		Drive end / Load end	Rubber / Poly		
Wheels		Number (x=driven) Drive end/Load end	1 x + 0/2		
DIMENSIONS	Lift	H3 Lift	Refer to charts		
		Lift and fork height	Refer to charts		
		H2 Free lift	24"	12"	
	Forks	S Forks lowered	2"	2.5"	
		I Length standard	36"		
		Length optional	42", 48"		
		B3 Fork adjustment	8.5" - 27.25"		
		E Fork width x Thickness	4" x 1.5"		
	Overall dimensions	L Length	71.5"		
		B Straddle I.D. Standard / Optional	41" to 50" / 31" to 40"		
		Minimum straddle I.D. setting	Refer to charts		
		H1 Lowered mast height	Refer to charts		
H4 Raised mast height		Refer to charts			
Turning radius	WA	60.5"			
90° Stacking aisle		Next page			
PERFORMANCE	Speeds	Traveling - with load	2.9 mph	2.6 mph	2.5 mph
		Traveling - without load	3.1 mph		
		Lifting - with load	22 fpm	16 fpm	15 fpm
		Lifting - without load	35 fpm	25 fpm	23 fpm
		Lowering - with load	42 fpm	37 fpm	36 fpm
		Lowering - without load	22 fpm	19 fpm	15 fpm
	Grade clearance		8%		
LOAD	Dead weight	Including battery	1,750 lb		
	Axle loading	Loaded - drive end	40%	33%	28%
		Loaded - load end	60%	67%	72%
CHASSIS	Tires	Quantity - Drive end / Load end	1 / 2		
		Dia. x width - Drive end	10" x 4"		
		Dia. x width - Load end	4" x 2"		
	Wheel base	Y Distance between wheels	51.5"		
	Ground clearance		1.25"		
	Track	Center of tires	Straddle I.D. + 3"		
POWER / DRIVE UNIT	Battery	Type	Traction		
		Voltage / AH	24 / 170		
		Battery compartment L x W x H	28.6" x 9" x 24.6"		
	Electric motors	Drive motor	1 hp		
		Lift motor	5 hp		
Drive control	Type	Solid state			
	Stages forward / reverse	Infinitely Variable			
Transmission	Type	Geared			

### DRIVE UNIT / TRANSMISSION

- Totally sealed gear reducer / brake system with internal multi-disc brakes in oil bath that eliminates conventional brake safety problems such as adjustments, drum and / or shoe replacement
- All gear and brake components protected from exposure to moisture and dirt, packaging, strapping etc
- All gears are precision ground helical gears
- Drive axle mounted on precision tapered roller bearings

### ELECTRICAL SYSTEM

- 24 volt
- Key switch
- Solid state programmable speed controller with solid state throttle mechanism
- Emergency power disconnect button
- Fused drive and control circuits
- Series wound high torque maintenance free drive motor, Class H insulation
- Heavy duty motor contactors with replaceable tips

### FORKS, MAST AND CARRIAGE

- Standard shaft mounted forged fork, length 36"
- Optional 42" and 48"
- RWS 22/30 mast of I-beam design (nested on telescopic models) with high quality ball bearing rollers and carriage side thrust rollers
- RWS 15 supplied with channel beam mast
- Twin double strand leaf-style lifting chain
- Safety screening protects operator from lifting mechanisms and provides maintenance free visibility

### OPTIONAL EQUIPMENT

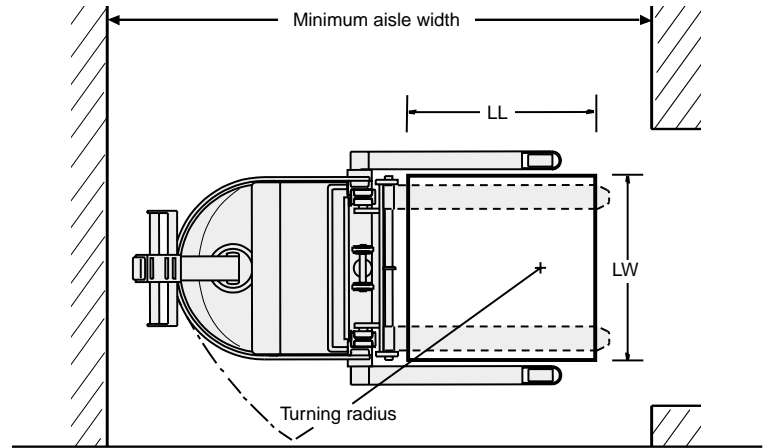
- Load backrest
- Hour meter
- Hour meter / discharge indicator
- Hour meter / discharge indicator / lift lockout
- Industrial style battery / remote charger
- Siped, traction and non-marking drive tires
- Flashing light and beeper
- Consult factory for other options

### RIGHT ANGLE STACKING Minimum Aisle Width

1) If pallet bay opening is load width plus 10"				
Load Width (LW)	Load Length (LL)			
	30"	36"	42"	48"
30"	72"	72"	72"	72"
36"	73"	73"	73"	73"
42"	75"	75"	75"	75"
48"	76"	76"	76"	76"

2) If pallet bay opening is load width plus 4"-6"				
Load Width (LW)	Load Length (LL)			
	30"	36"	42"	48"
30"	72"	77"	85"	93"
36"	73"	79"	87"	94"
42"	74"	80"	88"	95"
48"	76"	81"	89"	97"



MAST SPECIFICATIONS (Back cover)

MODEL	Lift	Free Lift	Minimum Straddle I.D.	Lowered Mast Height	Raised Mast Height
	H3	H2	—	H1	H4
RWS-15	52"	52"	31"	72"	72"
RWS-22 / 30	52"	52"	31"	71.25"	71.25"
RWS-15	72"	72"	31"	92"	92"
RWS-22 / 30	72"	72"	31"	91.25"	91.25"
RWS-15	90"	23"	31"	72"	108.75"
RWS-22 / 30	90"	11"	31"	65.25"	109"
RWS-15	110"	23"	31"	82"	128.75"
RWS-22 / 30	110"	11"	31"	75.25"	129"
RWS-15	130"	23"	33"	92"	148.75"
RWS-22 / 30	130"	11"	33"	85.25"	149"
RWS-15	150"	23"	38"	102"	168.75"
RWS-22 / 30	150"	11"	38"	95.25"	169"

## Advanced Ergonomics

### OPERATOR COMFORT & EFFICIENCY

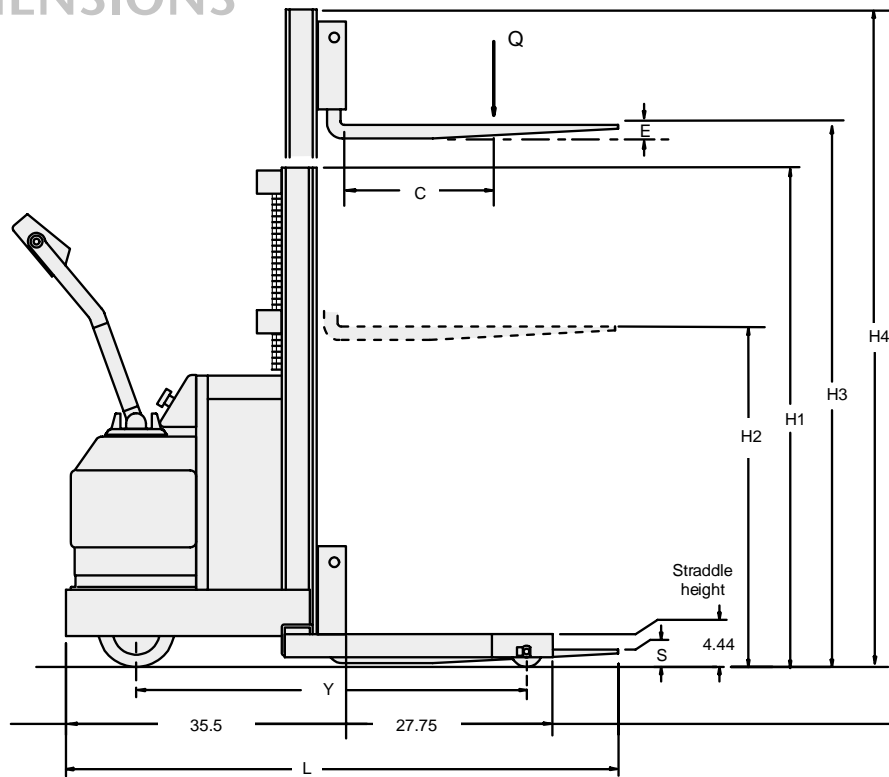
The **RWS Series Walkie Stacker** provides ergonomically dimensioned wider handle grips that easily accommodate bulky, gloved hands and greatly increases the operator's comfort and efficiency.

All control buttons and thumb controls are located within easy fingertip reach from either side without lifting a hand from the grips. The bright red reversing button is oversized for a more positive contact surface.



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## DIMENSIONS



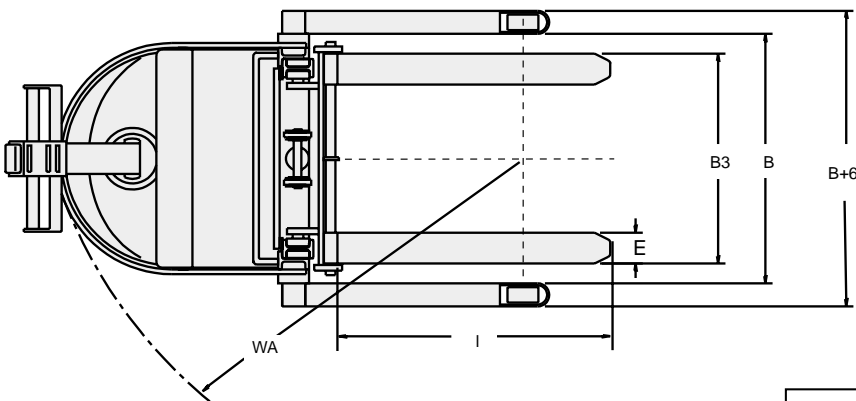
### CAPACITIES

RWS 15 1500 lb at 24" load center  
 RWS 22 2200 lb at 24" load center RWS 30 3000 lb at 24" load center

RWS Series Walkie Stacker establishes a high level of operator safety. Rol-Lift applies the classic design principle of "Form Follows Function". The resulting design is a gracefully rounded housing and bumper design that eliminates all sharp corners. With a handle rotation radius that follows that of the unit, the operator always remains a safe distance from the housing, bumper and underbody wheels. This ergonomic design heralds a significant break through for a safer and more efficient operation of walkie stacker vehicles.

## Advanced Ergonomics

### MAXIMUM SAFETY



Dimensions - inches

NOTE: Certain equipment and features illustrated or described in this brochure are optional at extra cost. Some equipment and features may not be available for all models. In keeping with its policy of continuous product improvement Rol-Lift reserves the right to discontinue or change specifications, models and equipment without notice or obligation.

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RWS 02



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