

# WALKIE STRADDLE STACKER

## MODELS RSS 22/30/40

*Raymond*® Walkie Straddle Models RSS 22/30/40. The faster the better. Looking to improve cycle times while decreasing your cost of operation? Look to the *Raymond* RSS Stackers. Superb engineering and easy-to-operate ergonomic controls ensure superior cycle times. Drive-in access to pallets saves valuable cycle time. The straddle baseleg design helps keep pallets and product squared away. The versatile RSS is designed for all types of operations, from retail to warehousing to manufacturing. These vehicles handle heavier loads swiftly and efficiently. With modular components and robust construction, these stackers stand up to years of use. Less maintenance and reduced downtime lead to a lower cost of operation.

### **RSS22/30/40 Standard Equipment:**

- › 2200, 3000 and 4000 pound maximum capacity
- › Two and three stage masts with fork heights up to 189"
- › Load sensing torsion bar suspension for easier steering
- › Separately excited traction system for smooth acceleration
- › Thumb wheel control
- › Key switch
- › Horn
- › Handle mounted electric lift/lower for easy access
- › Chassis mounted manual lift/lower for precise control
- › Hour meter

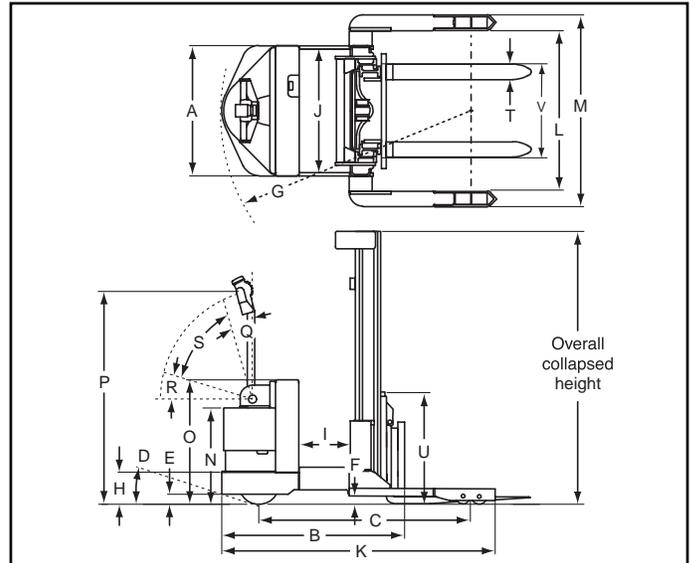


**RAYMOND**  
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# WALKIE STRADDLE MODELS 22/30/40

## MAST SPECIFICATIONS

| Model  | Lift Height (in.) | Overall Collapsed Height (in.) | Freelift (in.) | Capacity (lbs.) |
|--|-------------------|--------------------------------|----------------|-----------------|
| <b>RSS22</b><br>2-stage<br>Limited Free Lift | 104               | 71                             | 12             | 2200            |
|  | 128               | 83                             | 12             | 2200            |
|  | 152               | 95                             | 12             | 2200            |
| <b>RSS22</b><br>3-stage<br>Full Free Lift    | 150               | 71                             | 53             | 2200            |
| <b>RSS30</b><br>2-stage<br>Limited Free Lift | 104               | 71                             | 12             | 3000            |
|  | 128               | 83                             | 12             | 3000            |
|  | 152               | 95                             | 12             | 3000            |
| <b>RSS30</b><br>3-stage<br>Full Free Lift    | 150               | 71                             | 53             | 3000            |
|  | 180               | 83                             | 65             | 3000            |
|  | 189               | 87                             | 69             | 3000            |
| <b>RSS40</b><br>2-stage<br>Limited Free Lift | 100               | 71                             | 6              | 4000            |
|  | 124               | 83                             | 6              | 4000            |
|  | 150               | 95                             | 6              | 4000            |
| <b>RSS40</b><br>3-stage<br>Full Free Lift    | 150               | 71                             | 53             | 4000            |
|  | 180               | 83                             | 65             | 4000            |
|  | 189               | 87                             | 69             | 4000            |



## PERFORMANCE SPECIFICATIONS

|                              |      | RSS22      | RSS30   | RSS40   |
|------------------------------|------|------------|---------|---------|
| Truck Weight, less battery   | lbs. | 2500       | 2500    | 2500    |
| Battery Connector            |      | SB-175 red |         |         |
| Battery Lead Position/Length | in.  | B/20       |         |         |
| Battery Voltage              | V    | 24         |         |         |
| Minimum Battery Weight       | lbs. | 330        | 950     | 950     |
| Travel Speed empty/loaded    | mph  | 3.3/2.9    | 3.3/2.9 | 3.2/2.6 |
| Lift Speed empty/loaded      | fpm  | 49/32      | 49/32   | 49/27   |
| Lowering Speed empty/loaded  | fpm  | 42/60      |         |         |

## AISE WIDTH REQUIRED FOR RIGHT ANGLE STACKING

| Load Width (in.) | RSS22++           | RSS22++ | RSS30+ | RSS30+ | RSS40* | RSS40* |
|------------------|-------------------|---------|--------|--------|--------|--------|
|                  | Load Length (in.) |         |        |        |        |        |
|                  | 42                | 48      | 42     | 48     | 42     | 48     |
| 30               | 74                | 83      | 78     | 87     | 81     | 89     |
| 32               | 74                | 82      | 78     | 86     | 81     | 89     |
| 36               | 73                | 82      | 77     | 86     | 80     | 88     |
| 40               | 72                | 81      | 76     | 85     | 79     | 88     |
| 42               | 71                | 81      | 75     | 85     | 79     | 87     |
| 48               | 69                | 80      | 73     | 84     | 77     | 86     |

Aisle width requirements based on 6" clearance between pallets. Add 6-12" for ease of operation. Add 2.5" when equipped with sideshift. \*Add 4.5" when equipped with 3-stage mast. + Add 6.0" when equipped with 3-stage mast. ++ Add 9.0" when equipped with 3-stage mast.

## DIMENSION CHART

|   |      | RSS22                         | RSS30     | RSS40     |
|---|------|-------------------------------|-----------|-----------|
| Capacity                                  | lbs. | 2200                          | 3000      | 4000      |
| A Tractor Width                           | in.  | 34.1                          |           |           |
| B Tractor Head Length – 2-stage/3-stage   | in.  | 38.4/43.6                     | 44.7/47.9 | 44.7/47.9 |
| C Wheelbase                               | in.  | 51.1                          | 55.4      | 55.4      |
| D Grade Clearance                         | %    | 10                            |           |           |
| E Underclearance: Tractor                 | in.  | 2.1                           |           |           |
| F Underclearance: Baselegs                | in.  | 2                             |           |           |
| G Turning Radius                          | in.  | 60.8                          | 65.1      | 65.1      |
| H Battery Floor Height w/optional rollers | in.  | 9.5                           |           |           |
| I Battery Compartment Width               | in.  | 9                             | 13.3      | 13.3      |
| J Battery Compartment Length              | in.  | 32.3                          |           |           |
| K Overall Length – 2-stage/3-stage        | in.  | 67                            | 71.3      | 71.3      |
| L Baseleg Opening (inside)                | in.  | 32-50                         |           |           |
| M Baseleg (outside)                       | in.  | 40-58                         |           |           |
| N Tractor Height at Handle                | in.  | 25.25                         |           |           |
| O Tractor Height at Battery               | in.  | 32.25                         |           |           |
| P Handle Height Retracted                 | in.  | 55.6                          |           |           |
| Q Top Vertical Braking Arc                | deg. | 12.5                          |           |           |
| R Bottom Braking Arc                      | deg. | 10.5                          |           |           |
| S Handle Operating Arc                    | deg. | 67                            |           |           |
| T Forks                                   | in.  | 1.5 x 4                       | 1.5 x 4   | 1.75 x 4  |
| U Load Backrest (height)                  | in.  | 48                            |           |           |
| V Fork Adjustment                         | in.  | 8.5-30                        |           |           |
| Drive Tire                                | in.  | 10.5 x 5 polyurethane         |           |           |
| Load Wheels                               | in.  | 4 x 2.875 tandem polyurethane |           |           |

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 SIFB-0089 0812VP-2.5

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