

RSL161/RSL161i

Heavy-duty Li-ion Stacker with Foldable Platform 1600kg



- Heavy-duty stacker with foldable platform for demanding applications and long-distance transportation
- Initial lifting version allowing for smooth travel on uneven surfaces and double decking possibility
- Productivity boost thanks to the fast lifting, lowering and travelling speed (11km/h)
- Powerful lithium battery offering rapid and opportunity charging and zero maintenance
- New foldable platform with shock-absorbing suspension for driving comfort
- Electronic power steering with turn speed reduction lowering operation fatigue and increasing safety
- Proportional lifting and lowering fork control for gentle and accurate stacking
- New color display for easy parameter monitoring



| Manufacturer | | | EP | EP |
|----------------------------------------------|-------|-------|-------------|-------------|
| Model designation | | | RSL161 | RSL161i |
| Drive | | | Electric | Electric |
| Load capacity | Q | kg | 1600 | 2000 |
| Load center distance | c | mm | 600 | 600 |
| Service weight | | kg | 1200 | 1340 |
| Lift height | h3 | mm | 2915 | 2915 |
| Height, mast extended | h4 | mm | 3425 | 3495 |
| Initial lift | h5 | mm | \ | 120 |
| Length to face of forks | l2 | mm | 821 | 971 |
| Overall width | b1/b2 | mm | 850 | 850 |
| Fork dimensions | s/e/l | mm | 65×170×1150 | 60×185×1150 |
| Turning radius | Wa | mm | 1560 | 1900 |
| Max. gradeability, laden/unladen | | % | 8/12 | 8/16 |
| Travel speed, laden/unladen | | km/h | 9/11 | 9/11 |
| Lifting speed, laden/unladen | | m/s | 0.2/0.26 | 0.2/0.26 |
| Lowering speed, laden/unladen | | m/s | 0.4/0.36 | 0.4/0.36 |
| Battery voltage/nominal capacity | | V/Ah | 24/205 | 24/205 |
| Energy consumption according to DIN EN 16796 | | kWh/h | 1.01 | 1.01 |
| Turnover output according to VDI 2198 | | t/h | 54.4 | 54.4 |
| Turnover efficiency according to VDI 2198 | | t/kWh | 37 | 37 |

FEATURES

Maximum Performance for Professional Users

The RSL161 of standard version and Initial lifting version is the perfect choice for professional users who require a high-performance electric stacker. It's designed for efficient material handling in large warehouses and industrial environments where operators usually stack and transport goods over medium to long distances. The RSL161i allows for smooth travel on uneven roads and double decking capability.



Designed around Lithium Battery Advantages

Equipped with a powerful 24V 205Ah Lithium-ion battery, the RSL series offers all the advantages of lithium technology which features a compact design and grants long operation, short downtime and extremely long battery life with no maintenance requirement. The external charging plug makes the charging process efficient and user-friendly - no need to open battery compartment and remove plugs any more. And the full re-charge time can be less than 2 hours.



Improved Foldable Operator Platform

The newly designed foldable operator platform enhances both comfort and maneuverability, making the RSL series ideal for both long-distance travel in large warehouses and usage in tight spaces. Its shock-absorbing suspension ensures a smooth and stable ride, reducing operator fatigue over extended shifts. When folded, the stacker becomes more compact and easier to control, improving maneuverability between racks and narrow aisles.



Effortless Steering and Smart Monitoring

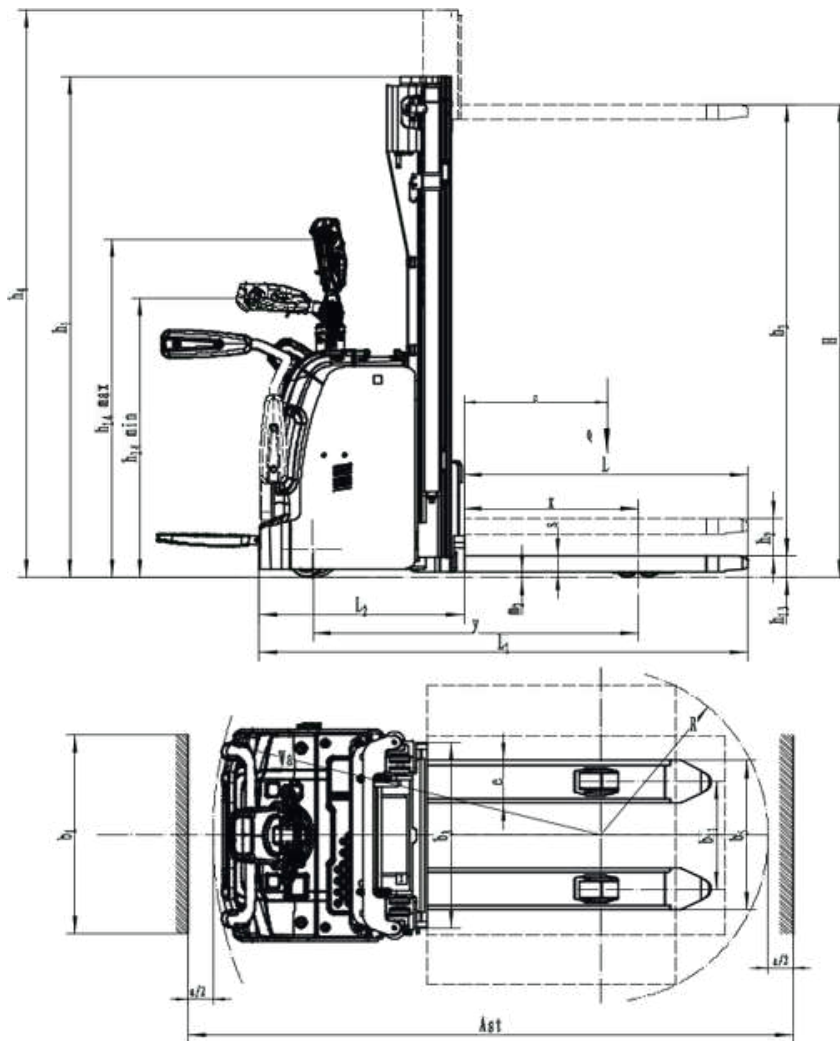
The proportional electronic power steering effectively reduces operator fatigue while ensuring precise and smooth control. For added safety, the truck automatically slows down at turns, enhancing stability and maneuverability. The new color display provides a quick and clear overview of the truck and battery status, and the operator can monitor key information at a glance. With intelligent steering and real-time data access, the RSL161 ensures greater efficiency, comfort, and safety in warehouse operations.



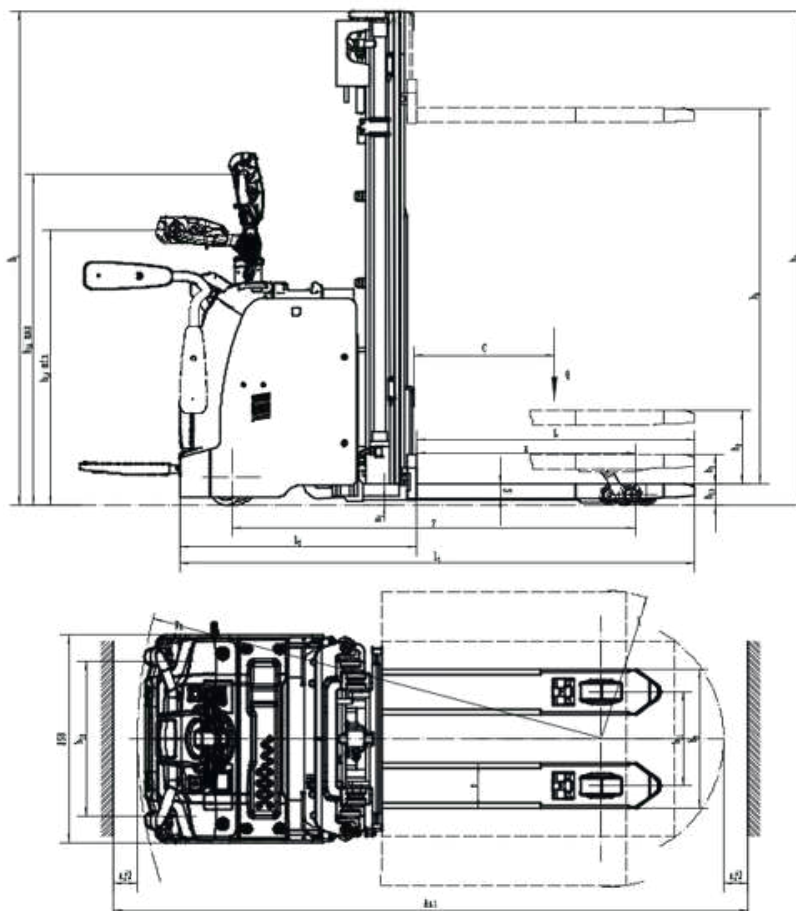
RSL161i

| Distinguishing mark | 1.1 | Manufacturer | | | EP | EP |
|---------------------|--------|-----------------------------------------------------|---------------------------------|---------|-----------------|-----------------|
| | 1.2 | Model designation | | | RS L161 | RS L161i |
| | 1.3 | Drive | | | Electric | Electric |
| | 1.4 | Operator type | | | Pedestrian | Pedestrian |
| | 1.5 | Load capacity | Q | kg | 1600 | 2000 |
| | 1.5.1 | Load capacity, load with mast lift | Q ₁ | kg | \ | 1600 |
| | 1.5.2 | Load capacity, load with support arm lift | Q ₂ | kg | \ | 2000 |
| | 1.6 | Load center distance | c | mm | 600 | 600 |
| | 1.8 | Load distance, centre of drive axle to fork | x | mm | 690 | 690 |
| Weight | 1.9 | Wheelbase | y | mm | 1306 | 1650 |
| | 2.1 | Service weight | | kg | 1200 | 1340 |
| | 2.2 | Axle loading, laden front/rear | | kg | 1050/ 1750 | 1120/ 1820 |
| Tyres/chassis | 2.3 | Axle loading, unladen front/rear | | kg | 690/ 510 | 760/ 580 |
| | 3.1 | Tyre type | | | Polyurethane | Polyurethane |
| | 3.2 | Tyre size, front | | | 230× 90 | Φ 230x 90 |
| | 3.3 | Tyre size, rear | | | 85× 70 | Φ 85x 70 |
| | 3.4 | Additional wheels (caster wheels) | | | 130× 55 | Φ 130x 55 |
| | 3.5 | Wheels, number front/rear (x=drive wheels) | | mm | 1x+2/4 | 1x+2/4 |
| | 3.6.1 | Tread width, front | | mm | 634 | 634 |
| | 3.7.1 | Tread width, rear | b ₁₀ | mm | 385 | 385 |
| | 4.0 | Max. Lift Height | b ₁₁ | mm | 3000 | 3000 |
| Dimensions | 4.2 | Retracted mast height | H | mm | 1970 | 2015 |
| | 4.3 | Free lift | h ₁ | mm | \ | \ |
| | 4.4 | Lift height | h ₂ | mm | 2915 | 2915 |
| | 4.5 | Height, mast extended | h ₃ | mm | 3425 | 3495 |
| | 4.6 | Initial lift | h ₄ | mm | \ | 120 |
| | 4.9 | Height of tiller handle in drive position min./max. | h ₅ | mm | 1125/ 1361 | 1125/ 1361 |
| | 4.10 | Height of wheel arms | h ₁₄ | mm | \ | \ |
| | 4.15 | Lowered height | h ₈ | mm | 90 | 92 |
| | 4.19 | Overall length | h ₁₃ | mm | 1961 | 2111 |
| | 4.20 | Length to face of forks | l ₁ | mm | 821 | 971 |
| | 4.21 | Overall width | l ₂ | mm | 850 | 850 |
| | 4.22 | Fork dimensions | b ₁ / b ₂ | mm | 65× 170× 1150 | 60/ 185/ 1150 |
| | 4.24 | Fork carriage width | s×e×l | mm | 750 | 750 |
| | 4.25 | Fork spread | b ₃ | mm | 570 | 570 |
| | 4.26 | Distance between wheel arms/loading surfaces | b ₅ | mm | \ | \ |
| | 4.31 | Ground clearance, laden, below mast | b ₄ | mm | 25 | 14 |
| | 4.32 | Ground clearance, center of wheelbase | m ₁ | mm | 25 | 14 |
| | 4.34.1 | Aisle width for pallets 1000×1200 crossways | m ₂ | mm | 2430 | 2708 |
| | 4.34.2 | Aisle width for pallets 800×1200 lengthways | Ast | mm | 2400 | 2602 |
| Performance data | 4.35 | Turning radius | Ast | mm | 1560 | 1900 |
| | 5.1 | Travel speed, laden/unladen | Wa | mm | 9/11 | 9/11 |
| | 5.2 | Lifting speed, laden/unladen | | km/h | 0. 2/ 0. 26 | 0. 2/ 0. 26 |
| | 5.3 | Lowering speed, laden/unladen | | m/s | 0. 4/ 0. 36 | 0. 4/ 0. 36 |
| | 5.8 | Max. gradeability, laden/unladen | | m/s | 8/12 | 8/16 |
| Electric-engine | 5.10 | Service brake | | % | Electromagnetic | Electromagnetic |
| | 6.1 | Drive motor rating S2 60 min | | | 3 | 3 |
| | 6.2 | Lift motor rating at S3 15% | | | 4.5 | 4.5 |
| | 6.4 | Battery voltage/nominal capacity | | kW | 24V / 205A H | 24V / 205A H |
| | 6.5 | Battery weight | | V/Ah | 72 | 72 |
| | 6.6 | Energy consumption according to DIN EN 16796 | | kg | 1.01 | 1.01 |
| | 6.7 | Turnover output according to VDI 2198 | | kWh/h | 54.4 | 54.4 |
| | 6.8 | Turnover efficiency according to VDI 2198 | | t/h | 37 | 37 |
| Additional data | 8.1 | Type of drive control | | t/kWh | AC | AC |
| | 10.5 | Steering design | | | Electronic | Electronic |
| | 10.7 | Sound pressure level at the driver's ear | | | 74 | 74 |
| | 15.1 | Charger output current | | dB (A) | 100 | 100 |
| A | | | | | | |

RSL161



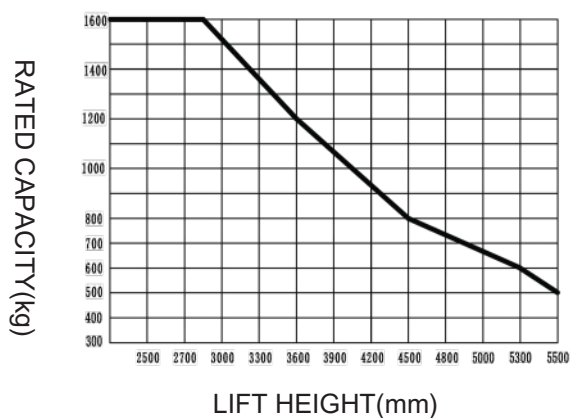
RSL161i



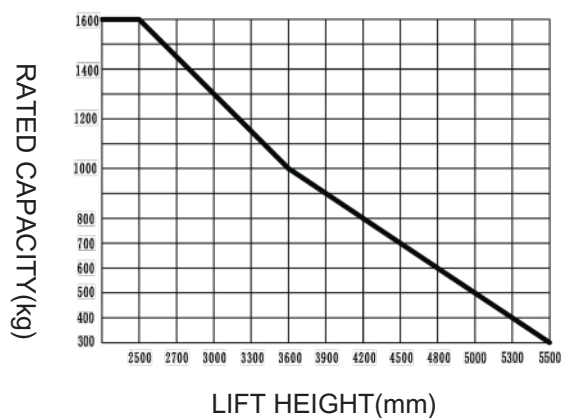
Mast Option:

| Mast types | h3+h13(mm) | Height, mast low e re d(h1) | Height,Free lift (h2) | Height, mast extended (h4) |
|-------------|------------|-----------------------------|-----------------------|----------------------------|
| 2-Wide Mast | 2600 | | | |
| | 3000 | 1815 | \ | 3095 |
| | 3300 | 2015 | \ | 3495 |
| | 3600 | 2185 | \ | 3835 |
| | 3900 | 2312 | \ | 4089 |
| | 4150 | 2462 | \ | 4389 |
| 2-Free Mast | 2650 | 2592 | \ | 4649 |
| | 2950 | 1815 | 1320 | 3118 |
| | 3250 | 1962 | 1470 | 3412 |
| | 4000 | 2115 | 1620 | 3718 |
| 3-Free Mast | 4500 | 1820 | 1345 | 4445 |
| | 4800 | 2020 | 1545 | 4945 |
| | 5000 | 2115 | 1645 | 5245 |
| | 5500 | 2185 | 1715 | 5445 |
| | | 2385 | 1915 | 5945 |

RATED CAPACITIES GRAPH(RSL161)



RATED CAPACITIES GRAPH(RSL161i)



Option:

| Fork dimension | Load wheel type | Load wheel material | Drive wheel material | Battery capacity | Charger | Battery indicator | Castor wheels | Buzzer | USB interface | Telematics | Turn speed control | Heating system for lithium battery charging | Speed reduction with elevated mast | Operator identification device | Lifting - electronic limit - lifting and lowering function |
|----------------|-----------------|---------------------|----------------------|----------------------------------------------------------|---------|-------------------|---------------|--------|---------------|------------|--------------------|---------------------------------------------|------------------------------------|--------------------------------|------------------------------------------------------------|
| | | | | ● 1150*570○ 1150*685 | | | | | | | | | | | |
| | | | | ● Double | | | | | | | | | | | |
| | | | | ● PU | | | | | | | | | | | |
| | | | | ● PU○Carved PU○Rubber | | | | | | | | | | | |
| | | | | ○ 205Ah (Li-ion) ○ 280AH (Li-ion) | | | | | | | | | | | |
| | | | | ○ 24V-50A External (Li-ion) ○ 24V-100A External (Li-ion) | | | | | | | | | | | |
| | | | | ● With hourmeter (Bluetooth) | | | | | | | | | | | |
| | | | | ● Yes and not customized | | | | | | | | | | | |
| | | | | ● No○Yes and not customized | | | | | | | | | | | |
| | | | | ● Yes and not customized | | | | | | | | | | | |
| | | | | ● No○Yes and not customized | | | | | | | | | | | |
| | | | | ● Yes and not customized | | | | | | | | | | | |
| | | | | ● No○Yes and not customized | | | | | | | | | | | |
| | | | | ● Yes and not customized | | | | | | | | | | | |
| | | | | ● Pin code○Card reader | | | | | | | | | | | |
| | | | | ● Yes and not customized | | | | | | | | | | | |
| | | | | ● Proportional lifting | | | | | | | | | | | |

Note: ● Standard ○ Optional - Inconformity