



PDSR30

Power Steering Walkie Reach Truck



CAPACITY

1350kg at 600mm load center

BATTERY COMPARTMENTS

803mm x 230mm x open

803mm x 333mm x open (PDSR30-189)

SPEED

ZAPI travel controller

TRAVEL

Variable from 0 to 5.5 km/h empty

Variable from 0 to 5 km/h loaded

LIFT

Up to 0.13 m/s empty.

Up to 0.1 m/s loaded—1350kg

LOWERING

Up to 0.17 m/s empty.

Up to 0.26 m/s loaded—1350kg

WEIGHT

1674-1905kg Chassis Only

TIRES / WHEELS

DRIVE

260 x 105 polyurethane

DUAL LOAD

(2) 102 x 73 polyurethane

HYDRAULICS

Lift cylinder has hard chrome plated rods. Pump unit including motor, solenoid, gear pump, and pressure compensated lowering valve are mounted high in the power compartment for ease of service.

ELECTRICAL

24-Volt ZAPI Combi AC inverter, travel control with matching drive motor provide high performance throughout the entire speed range. Travel speed remains constant relative to throttle position regardless of load. Separately fused power control circuits, quick disconnect EPD power cut off, and hour meter / battery discharge indicator combination gauge complete the system. Power configurations and diagnostic features are displayed with a ZAPI handheld console.

BRAKES

Electromagnetic brake is mounted on the motor armature shaft multiplying the braking power through the transmission.

Brake is applied when the control arm is in the vertical or horizontal handle position. Travel speed is reduced when forks are above 305mm fork height. Neutral braking re-sists roll back on ramps.

CONTROLS

Travel, lift, and lower functions are located in the ergonomic operator handle. All operator controls are accessible without having to lift the hand from the handle.

Angle grips are designed to allow easy operation with either hand. Wrap around guard, reversing switch, thumb control, and horn are standard.

Top mounted tiller arm offers excellent operator comfort and minimum steering effort. Gas assisted spring gently returns handle to vertical position.

TRANSMISSION

Vertically mounted drive motor is direct mounted to gear housing. Oil bathed bevel gear drive train with tapered roller bearings transfers power to axle. State of the art optimized gear technology supplies advantages such as zero maintenance, low noise level, high efficiency and high performance.

MAST & PANTOGRAPH

I-beam mast with dual lifting chains. Pantograph stroke extends the fork carriage beyond the units straddle legs, with integral tilt and sideshift.

STRADDLE LEGS & FORKS

Fixed straddle leg inside dimensions (ID) available at 900mm or 1070mm resulting in a 1070mm or 1270mm outside dimension (OD)

Class two ITA fork carriage with 915mm tall load back rest. 1070mm Forks are adjustable.

BEARINGS

Drive Wheels: Tapered roller bearings sealed in oil bath

Load Wheels: Sealed ball bearings

ACCESSIBILITY

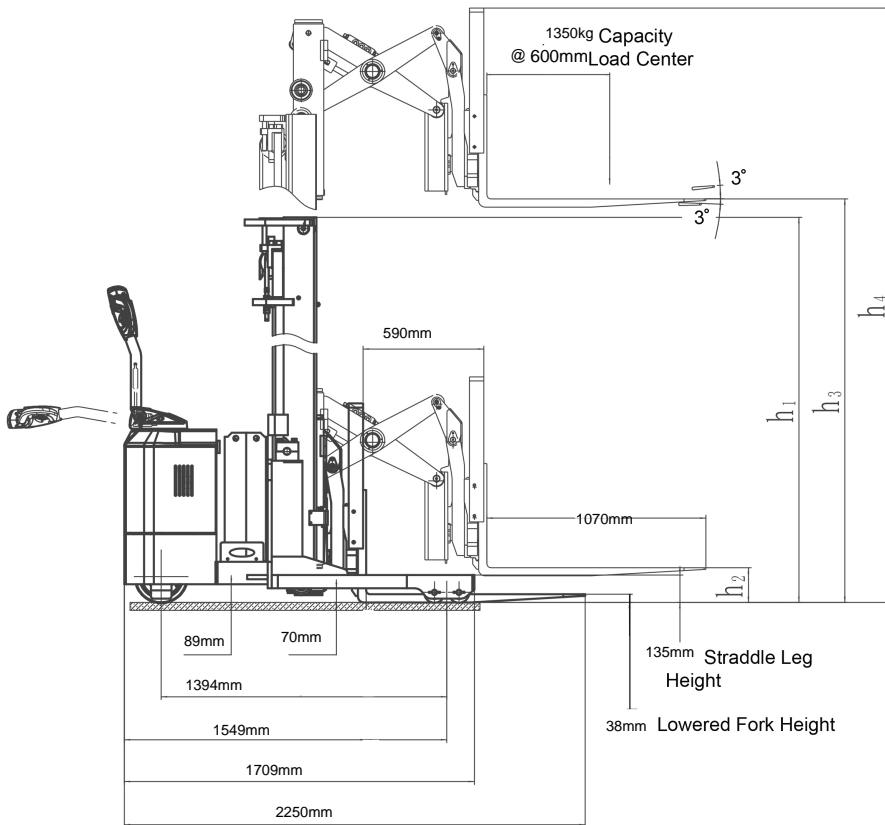
Removal of two piece power head cover exposes major components for inspection and maintenance

STANDARD EQUIPMENT

- Power Steering
- Pantograph with Sideshift and Tilt
- Proportional Lift, Lower & Extend
- Regenerative Braking
- Low Battery – Interrupt
- Hour Meter BDI Combo Gauge
- Key Switch

OPTIONAL EQUIPMENT

- Traction Drive Tire - Poly
- Straddle ID/OD of 900/1070 or 1070/1270
- ClearView Polycarbonate Mast Guard
- 224 AH AGM Battery Pack w/240v charger
- 210AH Lithium battery 100A charger



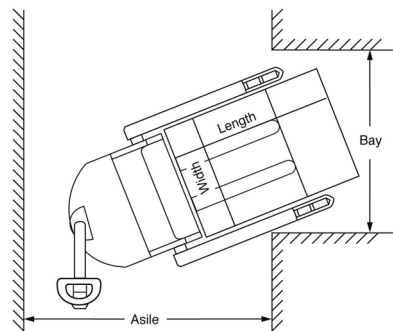
Aisle Guide

PDSR30 Right Angle Stack Dimensions with 1067mm ID/1270mmOD straddles

Load Size	915mm Length	1016mm Length	1220mm Length
915mm Length	2019mm	2019mm	2019mm
1016mm Length	2057mm	2057mm	2057mm
1220mm Length	2167mm	2167mm	2167mm

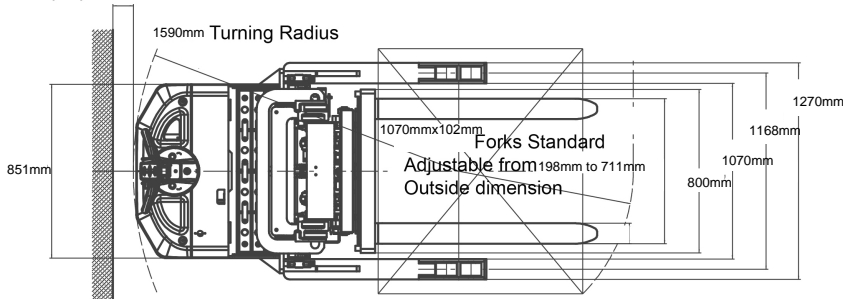
For ease of use add 203mm to aisle dimension listed.

For units with 900mm ID/1070mm OD subtract 102mm from all values For PDSR30-189 add an additional 76mm to all values



Aisle dimensions listed above assume the minimum bay width to be straddle OD plus 127mm (64mm on each either side of straddle leg). Truck performance may vary due to application requirements and changes in model design.

Overall length increased by up to 76mm when control handle is perpendicular to the direction of travel



All measurements show in standard "millimeter" units

Truck Model 610mm Load Center	Straddle ID/OD	Mast	Lift Height (h ₃)	Collapsed Height (h ₁)	Free Lift (h ₂)	Extended Height (h ₄)	³ Weight (kg)	
1350kg Capacity								
PDSR30-106	900/1070 or 1070/1270	Two Stage	2692	1892	152	3607	1674	
PDSR30-126	900/1070 or 1070/1270	Two Stage	3200	2108	152	4115	1701	
PDSR30-157*	900/1070 or 1070/1270	Three Stage	3988	1969	991	4902	1805	
PDSR30-189**	1070/1270	Three Stage	4801	2243	1041	5715	1905	

*Derates 227kg over 3200mm

**Derates 227kg over 3200mm and 680kg over 3988mm

³ Estimated shipping weight without battery