



NEXEN
LIFT TRUCK TECHNOLOGY

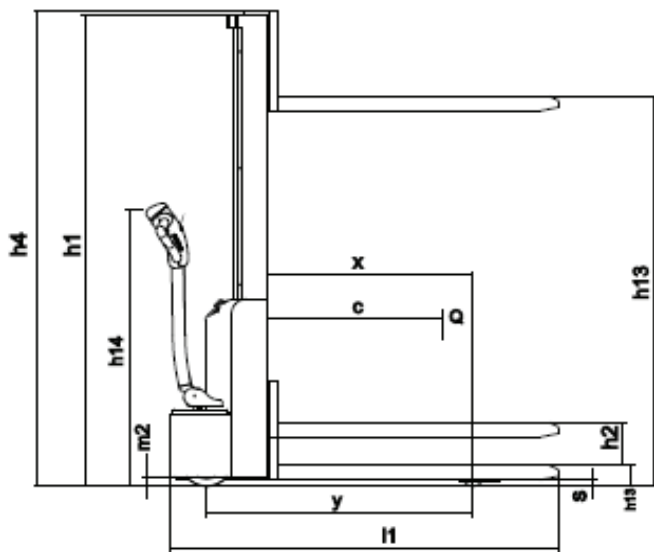
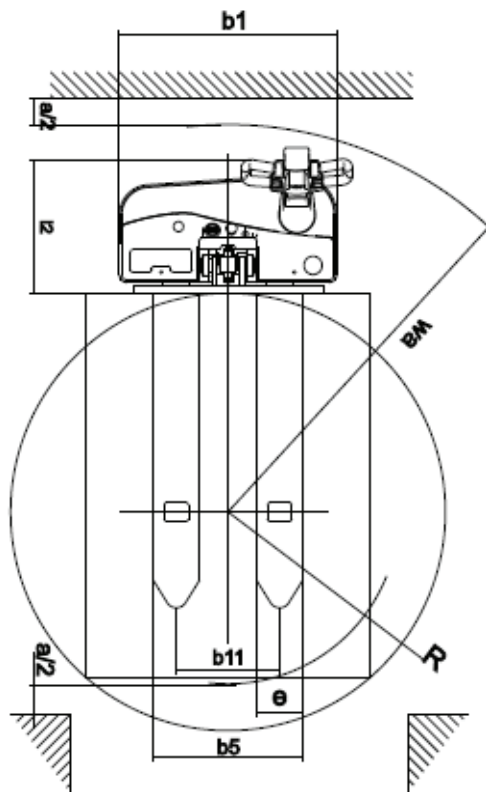
Nexen Aufero
APDWS14-18 (1.4t-1.8t)
Duplex Mast Straddle Stacker

Specification Sheet

NEXEN AUFERO APDWS14-APDWS18

		Nexen		Nexen		
		APDWS14		APDWS18		
CHARACTERISTICS	1.1	Manufacturer				
	1.2	Model designation				
		Model – Manufacturer designation				
	1.3	Drive; Electric, Diesel, Petrol, Fuel gas				
	1.4	Operation; Hand, pedestrian, Standing, Seated, Order Picker				
	1.5	Rated capacity / rated load	Q (kg)			
	1.6	Load centre distance	c (mm)			
	1.8	Load distance, centre of drive axle to fork	x (mm)			
	1.9	Wheelbase	y (mm)			
WEIGHTS	2.1	Service weight	kg			
	2.2	Axle loading, laden, front/rear	kg			
	2.3	Axle loading, unladen, front/rear	kg			
WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid				
	3.2	Tyre size, front				
	3.3	Tyre size, rear				
	3.5	Wheels, number front rear (X=driven wheels)				
	3.6	Tread, front	b ₁₀ (mm)			
	3.7	Tread, rear	b ₁₁ (mm)			
DIMENSIONS	4.4	Lift	h ₃ (mm)			
	4.9	Height draw bar in driving position min./max.				
	4.15	Height Lowered				
	4.19	Overall length (inc. standard forks)	l ₁ (mm)			
	4.2	Length to face of forks	l ₂ (mm)			
	4.21	Overall width, standard/wide/double	b ₁ /b ₂ (mm)			
	4.22	Fork dimensions	s/e/l (mm)			
	4.25	Distance between fork-arms				
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)			
	4.33	Load Dimensions				
	4.34.1	Aisle width for pallets 1000x1200 crossways	Ast (mm)			
	4.34.2	Aisle width for pallets 800x1200 crossways	Ast (mm)			
	4.35	Turning radius	W _a (mm)			
	PERFORMANCE	5.1	Travel speed, laden/unladen	km/h		
		5.1.1	Travel speed, laden/unladen, backwards	mm/sec		
5.2		Lift speed, laden/unladen	mm/sec			
5.3		Lowering speed, laden/unladen	mm/sec			
5.7		Gradeability, laden/unladen	%			
5.8		Max. gradeability, laden/unladen	%			
5.1		Service brake				
POWER UNIT	6.1	Drive motor capacity (60 min. Short duty)	kW			
	6.2	Lift motor output at 15% duty factor	kW			
	6.3	Battery to DIN 43 531/35/36 A/B/C/no				
	6.4	Battery voltage/capacity at 5-hour discharge	V/ah			
	6.5	Battery weight	kg			
	6.6	Energy consumption according to VDI 60 cycle	kWh/h			
DRIVE/LIFT MECHANISM	8.1	Type of drive control				
ADDITIONAL DATA	10.7	Sound pressure level at the driver's seat	dB(A)			


SPECIFICATION DATA ACCORDING TO VDI 2198




NOTES



All specifications listed in the tables are affected by the vehicle equipment and condition and also by operating area nature and conditions. Please contact your Nexen forklift truck dealer in case of critical or specific specifications for a proposed application.


LEGEND


 - calculated value according to VDI 2198, EN 1726-1, DIN 15 172 and VDI 3973.


 - measured between road surface and top surface of the forks.

 - with load backrest.

 - h6 subject to +/- 5mm tolerance.
 - Full-suspension seat in depressed position.

 - with load backrest. Subtract 16mm if load backrest is removed

 - Values based on the VDI 2198 standard calculation. Additional 100mm are recommended by the British Industrial Truck Association for extra operating margin at the rear of the truck.

 - Consult your Nexen forklift truck dealer.

$A_{st} = Wa + x + l_6 + a$ (refer to lines 4.33 and 4.34)

Wa – outer turning radius.

a = 200mm – minimum operating clearance (according to VDI 2198).

x - Load distance, centre of drive axle to fork.

l_6 – load length.

LEGEND

Load centre: distance from front forks surface to load gravity centre.

Rated load: based on calculated values for vertical masts.

NOTICE

Handle elevated loads with care as the truck stability is reduced when the carriage is lifted up. Keep minimal mast tilt angle during loads elevation. Operators must be trained and adhere to the instructions included in the operating manual.