

HYWORTH®

F O R K L I F T S

H14WR45



Walkie Reach Stacker

The walkie reach stacker moves goods forward and backward with a scissor fork extension system.

It acts as a counterbalanced stacker when its fork is extended, which can handle non-standard pallets, enclosed pallets, and enclosed shelves easily; and acts as a straddle stacker when its fork is retracted, which can operate flexibly in narrow aisles.



Walkie Stacker Series

The Walkie Reach Stacker can handle dock-to-stock and everything in between. The control handle with EPS (Electric Power Steering) system gives you incredible load handling control with excellent maneuverability.

The standard creep speed feature can take your operator's materials handling capabilities to their full potential.

The Walkie Reach Stacker can match your most demanding operational requirements.

High Performance

- / Standard configuration of EPS (Electric Power Steering) offers easier and more flexible operation.
- / The AC travel motor features excellent acceleration performance, outstanding climbing ability, low heat emission, and is brushless, and maintenance-free.
- / The latest CURTIS AC control system realizes accurate and stable control, and higher efficiency.
- / The CANBUS bus structure makes communication of the entire machine faster and more reliable.
- / Regenerative brake of the truck prevents it from sliding on a slope.
- / Tiller, switches, plug connectors, meters, and other important parts are all of top brands in the world, with excellent performance and reliable quality.
- / Standard configuration of fork backward and forward tilt function, and load backrest realize safer loading and unloading of goods.

Maintenance

- / The brushless, maintenance-free AC motor reduces operation cost significantly.
- / The meter integrating battery indicator, timer, and fault self-diagnosis is convenient for maintenance.
- / Back cover can be opened fully, and all components and parts are clear at a glance, which is very convenient for maintenance of the entire machine.



FREI multi-function tiller

- 1: Forks move forward / backward
- 2: Forks lifting / lowering
- 3: Forks tilt forward / backward



Travel speed is lowered automatically when fork is lifted to specified height



The structure of rotary load wheel offers the truck better passing ability



Mast tilting function is easy for entry in/out the pallet

Reliability

- / Three-support-point and low-gravity-center design and the high-strength steel plate framed structure feature large residual load bearing capacity, and long service life.
- / All wires and cables have reliable protection, which increases reliability of electrical system significantly.
- / Non-contact proximity switch features long service life and reliable operation.
- / Power plug is fastened to truck body, which can avoid damage of plug due to impact when battery is lifted for installation.

Safety

- / The function of lowering speed automatically as steering angle increases is a standard configuration. Three types of braking function - release braking, reverse braking, and emergency braking - can ensure safety of traveling.
- / Anti-sliding function on slope can ensure safety of operation.
- / The emergency reversing button at top of the tiller can avoid the driver from injury effectively in case of emergency during backward driving of the truck. The function of intelligent declining buffer reduces lowering speed automatically when the fork is lowered to a height less than 3.9" from ground, which provides effective protection for goods. Perspex Safety Screen

Comfort

- / All movements of the fork can be regulated with variable speed, with more accurate operation and control, and more stable handling of goods. Fingertip variable controls
- / Compact truck body and large rounded corner design make the truck suitable for operation in narrow space.

Standard specification

- / AC drive motor
- / CURTIS AC drive motor controller + oil pump motor controller
- / Electric Power Steering
- / Automatic deceleration at turns
- / Proportional speed regulation for all fork operations
- / Multi-function battery indicator
- / High-performance suspension load wheels
- / Fork length 1070mm
- / Narrow outer leg width 1275mm
- / Forward and backward tilt of the fork, by 3° and 5° respectively
- / Load backrest
- / Mast intelligent declining buffer
- / Multi-function tiller
- / Speed reduced when fork is at elevated height
- / Horn
- / Key switch
- / Upright handle override - perfect for driving tight spaces
- / Emergency reverse
- / Forward extension distance of fork 589mm
- / Sideshift

Options

- / Mast of various heights (see mast parameter list for details)
- / Various fork lengths
- / Trolley wheels for battery side roll out
- / Cold storage (-30 C)
- / Battery side roll out can realize easy and fast replacement of battery



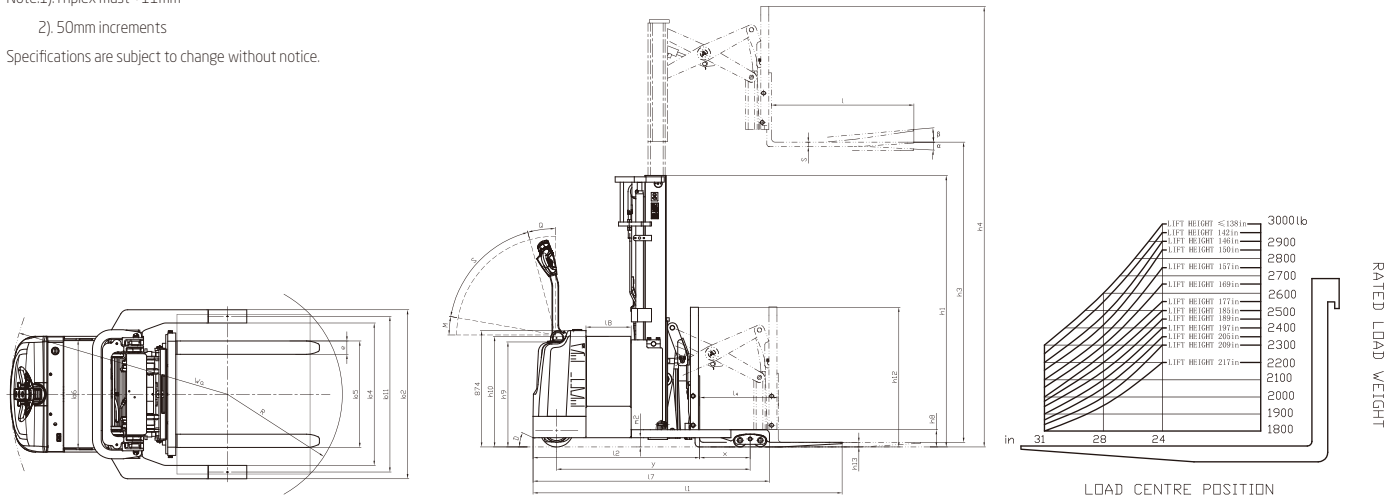
Walkie Reach Stacker Specification

Distinguishing marks	1.1	Manufacturer		HYWORTH
	1.2	Manufacturer's type designation		H14WR45
	1.3	Drive:electric(battery or mains),diesel,petrol,fuel gas		Battery
	1.4	Operator type:hand,pedestrian,standing,seated,order-picker		Pedestrian
	1.5	Rated capacity/rated load	Q (kg)	1400
	1.6	Load centre distance	c (mm)	600
	1.8	Load distance, centre of drive axle to fork	x (mm)	379
	1.9	Wheelbase	y (mm)	1451
	Weights	2.1	Service Weight without battery	kg
Wheels, Chassis	3.1	Tyres:solid rubber,superelastic,pneumatic,polyurethane		PU
	3.2	Tyre size, front	mm	Φ250×100
	3.3	Tyre size, rear	mm	Φ100×70
	3.5	Wheels, number front / rear (x = driven wheels)		1×/4
Basic Dimensions	3.7	Tread, rear	b ₁₁ (mm)	1170
	4.1	Tilt of mast forward/backward	α/β(°)	3/5
	4.2	Height,mast lowered	h ₁ (mm)	2040
	4.4	Lift	h ₃ (mm)	2700
	4.5	height, mast extended	h ₄ (mm)	3752
	4.9	Height of tiller in drive position min./max.	h ₁₄ (mm)	755
	4.10	Height of wheel arms	h ₈ (mm)	130
	4.15	Height, lowered	h ₁₃ (mm)	35
	4.19	Overall length	l ₁ (mm)	2323 ¹⁾
	4.20	Length to face of forks	l ₂ (mm)	1253 ¹⁾
	4.21	Overall width	b ₁ /b ₂ (mm)	870/1270
	4.22	Fork dimensions	s/e/l (mm)	35/100/1070
	4.24	Fork-carriage width	b ₃ (mm)	920
	4.25	Distance between fork-arms	b ₅ (mm)	210~850
	4.26	Distance between wheel arms	b ₄ (mm)	1070~1270 ²⁾
	4.28	Reach distance	l ₄ (mm)	590
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)	70
	4.35	Turning radius	W _a (mm)	1632
	4.37	Length across wheel arms	l ₇ (mm)	1777
		Battery compartment width	l ₈ (mm)	340
		Battery compartment length	b ₆ (mm)	817
		Battery floor Height w/optional rollers	(mm)	240
		Load backrest height	h ₁₂ (mm)	1050
	Grade clearance	D(%)	46.57	
	Top vertical braking Arc	Q(°)	15	
	Bottom braking Arc	M(°)	10	
	Handle Operating Arc	S(°)	65	
Performance Data	5.1	Travel speed, laden/unladen	kph	5.5/5.5
	5.2	Lift speed, laden/unladen	m/s	0.095
	5.3	Lowering speed, laden/unladen	m/s	0.190
	5.8	Max.gradeability, laden/unladen	%	8/13
	5.10	service brake		Electromagnetic braking
Electric-motor	6.1	Drive motor rating S2 60 min.	kW	3.0
	6.2	Lift motor rating at S3 15%	kW	3.0
	6.4	Battery voltage/nominal capacity K5	V/Ah	24/525
		Minimum battery weight	kg	400
		Maximum battery weight	kg	500
Others	8.1	Type of drive control		AC CURTIS
	10.5	Steering design		Electronic steering
	10.7	sound pressure level at the driver's seat	dB(A)	70

Note:1)Triplex mast +11mm

2) 50mm increments

Specifications are subject to change without notice.



Mast Specification for the H14WR45

Forklift height (h3)	4500mm
Mast lowered (h1)	2290mm
Mast extended (h4)	5552mm
Free lift height	1238mm
Capacity (loaded at 600mm)	1157kg

HYWORTH®

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