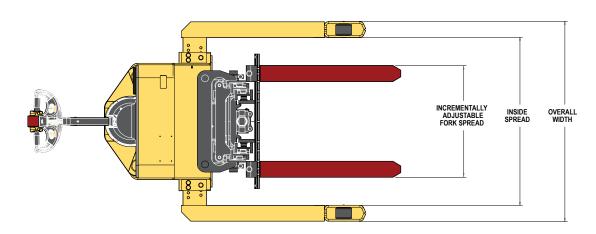
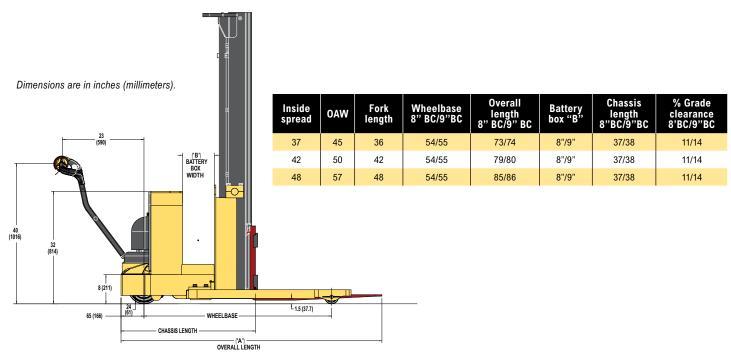


WALKIE HIGH LIFT STACKER PRODUCT TECHNICAL GUIDE







W25ZA2 MAST DIMENSIONS							
Maximum	Overall	Overall exte	nded height	Free-lift (TOF)			
fork height (TOF)	lowered height	w/load backrest	w/o load backrest	W/o load backrest			
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)			
2-STAGE	LIMITED FR	EE-LIFT (LFI) VISTA				
104 (2,641)	72.0 (1,829)	152.0 (3,861)	123.5 (3,137)	6.0 (152)			
126 (3,200)	83.0 (2,109)	174.0 (4,420)	145.5 (3,696)	6.0 (152)			
130 (3,302)	87.0 (2,210)	178.0 (4,522)	149.5 (3,798)	6.0 (152)			
144 (3,657)	92.0 (2,337)	192.0 (4,877)	163.5 (4,153)	6.0 (152)			
150 (3,810)	95.0 (2,413)	198.0 (5,030)	169.5 (4,306)	6.0 (152)			

- † Lift heights over 123.0" (3,124 mm) (W30ZR) maximum fork height require reduced capacity or restricted back tilt. Lift heights over 141.0" (3,581 mm) (W20ZR) may require reduced capacity or restricted back tilt. Contact Applications Engineering if this measurement is critical.
- * If load backrest extension is used on 3-stage FFL, add 27.5" (699 mm).

W25Z	N25ZA2 BATTERY AND COMPARTMENT SPECIFICATIONS								
Battery type	Number of cells	Cells size	Plates per cell	Capacity 6 hour rate amp hr (kwh)	"X" dimension in (mm)	"Y" dimension in (mm)	"Z" dimension in (mm)	Weight Ib (kg)	
Standard battery pack			185 AH @ 20 hr rate	28.4 (721)	7.9 (201)	23.9 (607)	310 (141)		
GNB Pall am charg	etPro Batt ger	ery Pac	k w/25	195 (4.4)	27.3 (693)	7.5 (191)	26.4 (671)	375 (170)	
	12	75	5	150 (3.5)	25.3 (643)	6.4 (163)	23.3 (592)	410 (186)	
	12	85	5	170 (3.9)	25.3 (643)	6.4 (163)	23.3 (592)	425 (193)	
	12	100	5	200 (4.6)	25.3 (643)	6.4 (163)	26.3 (668)	470 (213)	
	12	75	7	225 (5.2)	25.7 (653)	8.8 (224)	23.3 (592)	540 (245)	
	12	85	7	255 (6.0)	25.7 (653)	8.8 (224)	23.3 (592)	570 (259)	

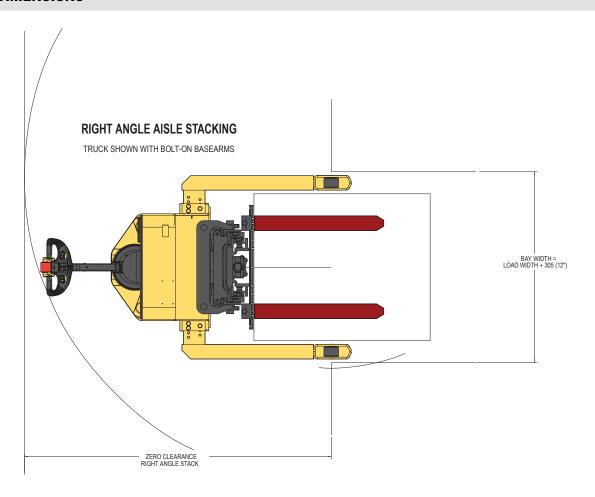
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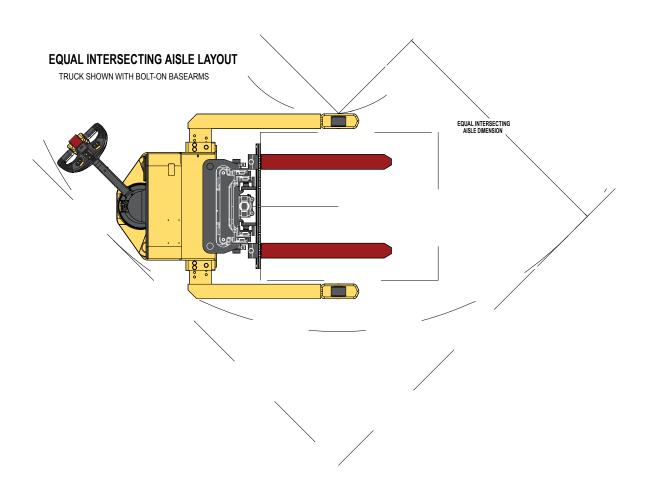
- (1) Steel tray with cover required for all batteries.
- (2) Battery connector type 175 Red (Gray is optional).
- (3) Cable lead position "B".
- (4) 20" cable length.
- (5) Maximum cable gauge of 1/0.
- (6) Battery well: 33" x 13.5" x open

	1	Manufacturer		Hyster Company
	2	Model	II. (I.)	W25ZA2
¥	3	Capacity, rated	lb (kg)	2,500 (1,134)
GENERAL	4	Load center	in (mm)	24 (610)
ΕĖ	5	Power type		Battery - 24 volt
	6	Operator type		Pedestrian
	7	Tire type, cushion, solid, pneumatic, etc.		Cushion
	8	Wheels, drive/load		1/2
	10	2-stg. limited free lift (LFL) (TOF)	in (mm)	104.0 (2,641)
	11	Standard free lift (TOF)	in (mm)	6.0 (152)
	12	Maximum carriage width	in (mm)	33.7 (857)
	13	Forks, width/thickness/length	in (mm)	3.9/1.6/42.0 (100/40/1,067)
	14	Fork spread (outside dimensions)	in (mm)	30.4 (773)
	15	Tilt of mast - forward/backward	degrees	
SNS	16a	Length to face of forks: 8.0" battery compartment	in (mm)	37.3 (947)
Sic	16b		in (mm)	38.3 (973)
DIMENSIONS	16c		in (mm)	N/A
□	17	Outrigger ID	min/max	37.1/39.4/41.7/49.0 (942/1,002/1,060/1,245)
		Lowered overall height (LOH)	in (mm)	72.0 (1,829)
	19	Maximum fork height (MFH)	in (mm)	104.0 (2,641)
	21	Turning radius, minimum outside w/48" load	in (mm)	77.0 (1,955)
	23	90° Stack aisle (add load length)	in (mm)	See chart
	24	Equal intersecting aisle	in (mm)	See chart
		Stability (comply with ANSI?)*		Yes
ш	25	Travel speed, no load	mph (km/h)	3.5 (5.6)
NC		Travel speed, rated load	mph (km/h)	3.0 (4.8)
₩.	26	Lift speed, std. no load	ft/min (m/s)	30.0 (0.15)
9		Lift speed, std. rated load	ft/min (m/s)	22.0 (0.11)
PERFORMANCE	27	Lowering speed, std. no load	ft/min (m/s)	60.0 (0.3)
		Lowering speed, std. rated load	ft/min (m/s)	70.0 (0.36)
WT.	29	Gradeability	%	10.0
>	31	Total approximate weight without battery	lb (kg)	2,305 (1046)
	32	Axle load, no load w/min battery drive/load	lb (kg)	1,523/1,092 (691/495)
		Number of tires drive/load		
EELS & TIRES	33	Size of tire, drive	in (mm)	9.0 x 4.0 Poly
Τ×	34	Size of tire, load	in (mm)	4.0 x 2.8 Poly
S	35	Wheelbase, distance 8.0" compartment w/48" load	in (mm)	53.8 (1,367)
		Wheelbase, distance 9.0" compartment w/48" load	in (mm)	54.8 (1,392)
×		Wheelbase, distance 13.5" compartment w/48" load	in (mm)	N/A
	37	Ground clearance, no load lowest point	in (mm)	1.0 (25)
	38	Ground clearance, no load center wheelbase	in (mm)	1.5 (38)
ı.	41	Battery, type		Lead acid
BATT.	42	Battery, volts/ampere hours	V/ah	
	43	Battery, minimum weight	lb (kg)	375 (170)
	44	Traction motor, 60 min. rating	hp (kw)	2.3 (1.7)
		Pump motor, 15 min. rating	hp (kw)	4.0 (3.0)
~	45	Traction motor control method		Transistor
MOTOR	46	Number of speeds		Infinitely variable
Σ	47	Relief pressure for attachments	psi (kPA)	N/A
	49	Grade clearance, % clearance 8.0" compartment	%	11.0
		Grade clearance, % clearance 9.0" compartment	%	14.0
		Grade clearance, % clearance 13.5" compartment	%	N/A

CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

[†] NOTE: Performance specifications are for truck equipped as described under standard equipment in this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Hyster Company Dealer.





Zero Clearance / Right Angle Aisle Stacking / Intersecting Equal Aisle Stacking

To determine the correct dimension, take the larger sum of either the load or pallet dimensions for length and width. Add the dimension for optional configuration and the 6.0" to 12.0" operating clearance. All values are based on 4.0" spacing between loads. Please contact your local Hyster dealer for additional information on load spacing and base arm dimensions.

Load width open end clearance W25ZA2 Walkie Reach Stacker Truck

(Equipped with 2-stage VISTA mast)

Load width	Outrigger ID	OAW	Load length	Fork length	Wheelbase 8" BC/9" BC	0.A.L*	Length of face to forks 8" BC/9"BC
36	37	45	36	36	54/55	73/74	37/38
42	42	50	42	42	54/55	79/80	37/38
48	48	57	48	48	54/55	85/86	37/38

For 3-stage VISTA mast add 2.0"

Right angle stack W25ZA2 Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 8" battery compartment)

u)	ıode				
<u>ان</u>	Load length (in)				
wid		36	40	48	
Load width (in)	36	82.5	82.5	82.5	
	40	83.3	83.3	83.3	
	48	84.4	84.4	84.4	

hes)	With creep mode					
(juc	Load length (in)					
ま		36	40	48		
Load width (inches	36	64.4	64.4	64.4		
Loa	40	64.8	64.8	64.8		
	48	69.4	69.4	69.4		

(Equipped with 2-stage VISTA mast and 8" battery compartment)

W25ZA2 Walkie Straddle Stacker Truck

Intersecting equal aisle

u)	ıode				
i) Ii		Load length (in)			
width (in)		36	40	48	
Load	36	63.1	63.1	63.1	
	40	65.5	65.5	65.5	
	48	68.9	68.9	68.9	

With creep mode					
(incl	Load length (in)				
Load width (inches)		36	40	48	
d wi	36	56.3	56.3	56.3	
Loa	40	58.4	58.4	58.4	
	48	61.6	61.6	61.6	

Right angle stack W25ZA2 Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 9" battery compartment)

Without creep mode				
Load width (in)		36	ength (i 40	n) 48
oad v	36	83.5	83.5	83.5
	40	84.2	84.2	84.2
	48	85.3	85.3	85.3

hes)	With creep mode					
(inc		Load length (in)				
dth		36	40	48		
Load width (inches	36	65.4	65.4	65.4		
Loa	40	66.3	66.3	66.3		
	48	70.0	70.0	70.0		

For 3-stage VISTA mast add 2.0"

Intersecting equal aisle W25ZA2 Walkie Straddle Stacker Truck

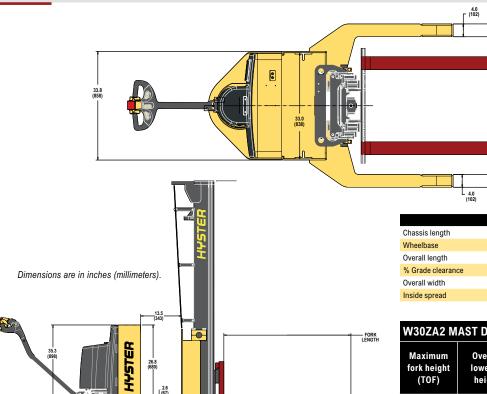
(Equipped with 2-stage VISTA mast and 9" battery compartment)

(in)	Without creep mode				
Load width (in)		36	40	48	
oad	36	63.7	63.7	63.7	
	40	66.1	66.1	66.1	
	48	69.5	69.5	69.5	

hes)	With creep mode				
(inc	Load length (in) 36 40 48 36 56.9 56.9 56.9 40 59.5 59.5 59.				
đt		36	40	48	
d wi	36	56.9	56.9	56.9	
Loa	40	59.5	59.5	59.5	
	48	62.3	62.3	62.3	

For 3-stage VISTA mast add 2.0"

W30ZA2 | W40ZA DIMENSIONS



W30ZA2 BATTERY AND COMPARTMENT SPECIFICATIONS										
Battery Number Cells per cell		Capacity 6 hour rate amp hr (kwh)	"X" dimension in((mm)	"Υ" dimension in (mm)	"Z" dimension in (mm)	Weight lb (kg)				
GNB Pall amp cha	etPro Batt rger	ery Pac	k w/25	195 (4.4)	27.3 (693)	7.5 (191)	26.4 (671)	375 (170)		
	12	75	5	150 (3.5)	25.3 (643)	6.4 (163)	23.3 (592)	410 (186)		
	12	85	5	170 (3.9)	25.3 (643)	6.4 (163)	23.3 (592)	425 (193)		
	12	100	5	200 (4.6)	25.3 (643)	6.4 (163)	26.3 (668)	470 (213)		
	12	75	7	225 (5.2)	25.7 (653)	8 8 (224)	23 3 (592)	540 (245)		

255 (6.0)

NOTES:

- (1) Steel tray with cover required for all batteries.
- (2) Battery connector type 175 red (gray is optional).
- (3) Cable lead position "B".

12

(4) 20" cable length.

O.A.L. - OVERALL LENGTH

- (5) Maximum cable gauge of 1/0.
- (6) Battery well: 33" x 13.5" x open

25.7 (653) 8.8 (224) 23.3 (592) 570 (259)

W40ZA	W40ZA BATTERY AND COMPARTMENT SPECIFICATIONS										
Number of cells	Cells size	Plates per cell	Capacity amp hr	Kwh	"X" dimension in (mm)	"Y" dimension in (mm)	"Z" dimension in (mm)	Weight lb (kg)			
12	75	7	255	5.2	25.6	8.8	23.3	536 lb			
12	85	7	255	6.0	25.5	8.6	23.3	590 lb			
12	75	11	375	8.7	26.5	13.0	23.3	825 lb			
12	85	11	425	9.9	26.1	12.8	23.3	865 lb			
12	75	13	450	10.5	30.9	13.0	23.3	987 lb			
12	85	13	510	11.9	30.9	13.0	23.3	1,035 lb			

NOTES:

- (1) Steel tray with cover required for all batteries.
- (2) Battery connector type 175 red (gray is optional).
- (3) Cable lead position "B".
- (4) 20" cable length.
- (5) Maximum cable gauge of 1/0.
- (6) Battery well: 33" x 13.5" x open

	9" battery box in (mm)	13.5" battery box in (mm)
Chassis length	38.0 (972) / 43.75 (1,111)	N/A / 48.25 (1,226)
Wheelbase	57.0 (1,448) / 59.0 (1,499)	N/A / 63.6 (1,615)
Overall length	80.0 (2,040) / 91.67 (2,328)	N/A / 96.13 (2,442)
% Grade clearance	14 (353) / 14 (353)	N/A / 12.8 (325)
Overall width	57 (1,448) / 57 (1,448)	N/A / 57 (1,448)
Inside spread	49 (1,244) / 49 (1,244)	N/A / 49 (1,244)

OVERALL

Maximum	Overall	Overall exte	nded height	Free-lift (TOF)		
fork height (TOF)	lowered height	w/load backrest	w/o load backrest	w/o load backrest		
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)		
2-STAGE LIMITED FREE-LIFT (LFL) VISTA® MAST						
104 (2,641)	72.0 (1,829)	152.0 (3,861)	123.5 (3,137)	6.0 (152)		
126 (3,200)	83.0 (2,109)	174.0 (4,420)	145.5 (3,696)	6.0 (152)		
130 (3,302)	87.0 (2,210)	178.0 (4,522)	149.5 (3,798)	6.0 (152)		
144 (3,657)	92.0 (2,337)	192.0 (4,877)	163.5 (4,153)	6.0 (152)		
150 (3,810)	95.0 (2,413)	198.0 (5,030)	169.5 (4,306)	6.0 (152)		
3-STAGE F	ULL FREE-L	IFT (LFL) VIS	STA® MAST			
157 (3,987)	72.0 (1,829)	205.0 (5,207)	176.5 (4,484)	50.0 (1,270)		

†	Lift heights over 123.0" (3,124 mm) (W30ZR) maximum fork height require reduced
Ċ	capacity or restricted back tilt. Lift heights over 141.0" (3,581 mm) (W20ZR) may
	require reduced capacity or restricted back tilt. Contact Applications Engineering if

this measurement is critical.

* If load backrest extension is used on 3-stage FFL, add 27.5" (699 mm).

Maximum	Overall	Overall exte	ended height	Free-lift (TOF)	Mast			
fork height (TOF)	lowered height	w/load backrest	w/o load backrest	w/o load backrest	weight			
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lb (kg)			
2-STAGE LIMITED FREE-LIFT (LFL) VISTA® MAST								
100.0 (2,540)	72.0 (1,829)	152.0 (3,861)	123.5 (3,137)	6.0 (152)	850 (386)			
110.0 (2,794)	77.0 (1,956)	162.0 (4,115)	133.5 (3,391)	6.0 (152)	900 (408)			
122.0 (3,098)	83.0 (2,108)	174.0 (4,420)	145.5 (3,696)	6.0 (152)	950 (431)			
140.0 (3,556)	92.0 (2,337)	192.0 (4,877)	163.5 (4,153)	6.0 (152)	1,050 (476)			
3-STAGE F	JLL FREE-L	IFT (LFL) V	ISTA® MAST					
153.0 (3,886)	72.0 (1,829)	205.0 (5,207)	176.5 (4,483)	48.0 (1,219)	1,150 (522)			
168.0 (4,267)	77.0 (1,956)	220.0 (5,588)	191.5 (4,864)	53.0 (1,346)	1,200 (544)			
186.0 (4,724)	83.0 (2,108)	238.0 (6,045)	209.5 (5,321)	59.0 (1,498)	1,250 (567)			

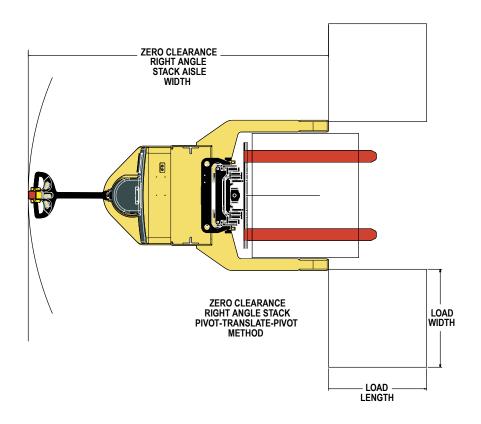
- † Lift heights over 122.0" (3,098 mm) (2-Stage) or 153" (3,886 mm) (3-Stage) maximum fork height require reduced capacity or restricted back tilt.
- * If load backrest extension is used on 3-stage FFL, add 28.5" (724 mm).

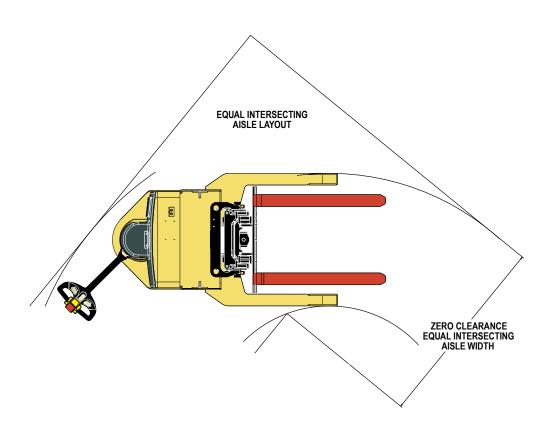
W30ZA2 | W40ZA SPECIFICATIONS

1	Manufacturer		Hyeter Company	Hystor Company
1 2	Model		Hyster Company W30ZA2	Hyster Company W40ZA
		lh /lea)		
RA 4	Capacity, rated Load center	lb (kg)	3000 (1361)	4,000 (1,820)
ш		in (mm)	24 (610)	24 (610)
GEN GEN	Power type		Battery - 24 volt	Battery - 24 volt
6	Operator type		Pedestrian	Pedestrian
7	Tire type, cushion, solid, pneumatic, etc.		Cushion	Cushion
8	Wheels, drive/load		1/2	1/2
10	2-stg. limited free lift (LFL) (TOF)	in (mm)	104.0 (2641)	122.0 (3,098)
11	Standard free lift (TOF)	in (mm)	6.0 (152)	6.0 (152)
12	Maximum carriage width	in (mm)	33.7 (857)	33.8 (857)
13	Forks, width/thickness/length	in (mm)	3.9 / 1.6 / 42.0 (100 / 40 / 1067)	4.0 / 1.75 /42.0 (100 / 44 / 1,067)
14	Fork spread (outside dimensions)	in (mm)	30.4 (773)	30.4 (772)
15	Tilt of mast - forward/backward	degrees		
SNC	Length to face of forks 8.0" battery compartment	in (mm)	N/A	N/A
NSI	9.0" battery compartment	in (mm)	38.3 (973)	43.75 (1,111)
DIMENSIONS	13.5" battery compartment	in (mm)	N/A	48.25 (1,226)
	Outrigger ID	in (mm)	43.0 (1092)	43.0 (1,092)
18	0 ()	in (mm)	72.0 (1829)	83.0 (2,108)
19	Maximum fork height (MFH)	in (mm)	104.0 (2641)	122.0 (3,098)
21	Turning radius, minimum outside w/48" load	in (mm)	80.6 (2047)	73.3 (1,861)
23	90° Stack aisle (add load length)	in (mm)	See chart	See chart
24		in (mm)	See chart	See chart
	Stability (comply with ANSI?)*		Yes	Yes
ш 25	Travel speed, no load	mph (km/h)	3.5 (5.6)	3.6 (5.8)
NC	Travel speed, rated load	mph (km/h)	3.0 (4.8)	3.2 (5.1)
PERFORMANCE 22	Lift speed, std. no load	ft/min (m/s)	30.0 (0.15)	27.5 (0.14)
교	Lift speed, std. rated load	ft/min (m/s)	22.0 (0.11)	18.6 (0.09)
监 27	Lowering speed, std. no load	ft/min (m/s)	60.0 (0.3)	52.5 (0.27)
	Lowering speed, std. rated load	ft/min (m/s)	70.0 (0.36)	62.0 (0.31)
\(\frac{\cdot 29}{31}\)	Gradeability	%	10.0	10.0
91	Total approximate weight without battery	lb (kg)	2323 (1054)	2,458 (1,115)
32	Axle load, no load w/min battery drive/load	lb (kg)	1650 / 1048 (748 / 475)	1,735 / 1,323 (787 / 620)
	Number of tires drive/load			1/2
SS 33	Size of tire, drive	in (mm)	9.0 x 5.0 Poly	10.0 x 5.0 Poly
33 34 35 35	Size of tire, load	in (mm)	4.0 x 2.8 Poly	4.0 x 2.8 Poly
رم 35 دم	Wheelbase, distance 8.0" compartment w/48" load	in (mm)	N/A	N/A
월	Wheelbase, distance 9.0" compartment w/48" load	in (mm)	57.0 (1448)	59.0 (1,499)
M	Wheelbase, distance 13.5" compartment w/48" load	in (mm)	N/A	64.0 (1,626)
37	Ground clearance, no load lowest point	in (mm)	1.0 (25)	0.5 (13)
38	Ground clearance, no load center wheelbase	in (mm)	2.0 (51)	2.0 (51)
<u>⊢</u> 42			Lead acid	Lead acid
BATT.	Battery, volts/ampere hours	V/ah		24/510
43	<i>y</i> .	lb (kg)	375 (170)	600 (272)
45	· · · · · · · · · · · · · · · · · · ·	hp (kw)	2.3 (1.7)	2.3 (1.7)
	Pump motor, 15 min. rating	hp (kw)	4.0 (3.0)	4.0 (3.0)
46	Traction motor control method		Transistor	Transistor
WOTOW 48	Number of speeds		Infinitely variable	Infinitely variable
§ 48	Relief pressure for attachments	psi (kPA)	N/A	2,900 (19,995)
49	Grade clearance, % clearance 8.0" compartment	%	N/A	N/A
	Grade clearance, % clearance 9.0" compartment	%	14.0	14
	Grade clearance, % clearance 13.5" compartment	%	N/A	12.8

CERTIFICATION: These Hyster lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck.

[†] NOTE: Performance specifications are for truck equipped as described under standard equipment in this technical guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature and condition of the operating area. Specifications are subject to change and the proposed application should be discussed with your authorized Hyster Company Dealer.





Zero Clearance / Right Angle Aisle Stacking / Intersecting Equal Aisle Stacking

To determine the correct dimension, first select the model you are using. Then take the larger sum of either the load or pallet dimensions for length and width. Add the dimension for optional configuration and the 6.0" to 12.0" operating clearance. All values are based on 6.0"spacing between loads, load on floor. Please contact your local Hyster dealership for additional information on load spacing and base arm dimensions.

Load width open end clearance W30ZA2/W40ZA Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 9" and 13.5" battery compartment.)

Load width	Outrigger ID	OAW	Load length	Fork length	Wheelbase 9"	Wheelbase 13.5"	0.A.L* 9"	0.A.L* 13.5"	Length of face to forks 9"	Length of face to forks 13.5"
32	37	45	30-32	36	51	56	80	84	44	48
36	37	45	34-36	36	53	58	80	84	44	48
40	43	51	38-42	42	56	61	86	90	44	48
48	49	57	44-48	48	59	64	92	96	44	48

For 3-stage VISTA mast add 2.0" * 9" and 13.5 references battery compartment.

Right angle stack W30ZA2 Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 9" battery compartment.)

u)	Without creep mode						
th (i	n)						
wid		36	40	48			
Load width (in)	36	85.6	85.6	85.6			
	40	86.5	86.5	86.5			
	48	87.4	87.4	87.4			

Load width (inches)	With creep mode								
اق	Load length (in)								
탏		36	40	48					
M	36	67.4	67.4	67.4					
Loa	40	68.5	68.5	68.5					
	48	71.3	71.3	71.3					

Right angle stack W40ZA Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 9" battery compartment.)

(u	١	Vithout	creep n	ıode
i)		Load I	ength (i	n)
widt		36	40	48
Load width (in)	36	85.2	91.0	91.0
	40	86.1	91.8	91.8
	48	87.0	92.7	92.7

hes)	With creep mode							
(inc		Load I	ength (in)				
dth		36	40	48				
oad width (inches)	36	70.2	75.9	75.9				
Loa	40	71.2	76.8	76.8				
	48	72.3	77.8	77.8				

Right angle stack W40ZA Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 13.5" battery compartment.)

(in)	١	Without creep mode			
Load width (in)	36 40 48				
oad	36	87.6	95.3	95.3	
	40	90.3	96.1	96.1	
	48	91.2	96.9	96.9	

hes)	With creep mode				
(inc		Load I	ength (in)	
dth		36	40	48	
Load width (inches)	36	72.5	80.1	80.1	
Loa	40	75.4	81.0	81.0	
	48	76.4	82.0	82.0	
	0	70.4	02.0	02.0	

Intersecting equal aisle W30ZA2 Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 9" battery compartment.)

u)	١	Vithout	creep n	ıode	
th (i		Load I	ength (i	n)	
width (in)	36 40 48				
Load	36	65.0	65.0	65.0	
	40	67.9	67.9	67.9	
	48	70.8	70.8	70.8	

hes)		With cı	reep mo	ode	
ine		Load I	ength (in)	
dth	36 40 48				
oad width (inches	36	58.5	58.5	58.5	
Loa	40	61.1	61.1	61.1	
	48	63.8	63.8	63.8	

Intersecting equal aisle W40ZA Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 9" battery compartment.)

Load width (in)	Without creep mode			
widt		36	40	48
oad	36	64.0	65.0	67.0
	40	66.0	68.0	70.0
	48	69.0	71.0	73.0

-oad width (inches)	With creep mode			
dth (in		48		
d wi	36	56.0	57.0	59.0
Loa	40	58.0	60.0	62.0
	48	61.0	63.0	65.0

Intersecting equal aisle W40ZA Walkie Straddle Stacker Truck

(Equipped with 2-stage VISTA mast and 9" battery compartment.)

(in)	٧	Vithout			
Load width (in)	Load length (in) 36 40 48				
oad v	36	69.0	68.0	70.0	
	40	72.0	71.0	73.0	
	48	72.0	74.0	76.0	

	With c	reep mo	ode
	Load I	ength (in)
	48		
36	61.0	60.0	62.0
40	64.0	63.0	65.0
48	64.0	66.0	68.0
	40	Load I 36 36 61.0 40 64.0	36 61.0 60.0 40 64.0 63.0

FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
24-volt	Х	
SEM traction control technology	х	
Energy efficient MOSFET traction/hoist controller	Х	
Transistor hydraulics	Х	
Auto deceleration system	Х	
3 user programmable performance modes	Х	
Creep speed control	Х	
DRIVE	STD	OPT
Drive tire (W25ZA2)		
- 9" x 4" molded-on polyurethane	Х	
- 9" x 4" molded-on rubber		Х
- 9" x 5" press-on smooth rubber		X
- 9" x 5" press-on non-marking rubber		X
- 9" x 5" press-on micro-siped polyurethane - 9" x 5" press-on polyurethane		X
Drive tire (W30ZA2)		Х
- 9" x 5" press-on polyurethane	х	
- 9" x 5" press-on micro-siped polyurethane	^	Х
- 9" x 5" press-on non-marking rubber		X
Drive tire (W40ZA)		^
- 10" x 5" press-on polyurethane	х	
- 10" x 5" press-on rubber	^	Х
Load wheels		
- 4" x 2.8" single polyurethane load wheels	х	
- 4" x 2.8" tandem polyurethane load wheels (W40ZA)	X	Х
LIFT	STD	OPT
Mast (W25-30ZA2)		
- 104" MLH / 72" OLH 2-stage	х	
- 126" MLH / 83" OLH 2-stage		Х
- 130" MLH / 87" OLH 2-stage		х
- 144" MLH / 92" OLH 2-stage		Х
- 150" MLH / 95" OLH 2-stage		х
- 157" MLH / 72" OLH 3-stage (W30ZA2)		Х
Mast (W40ZA)		
- 100" MLH / 72" OLH 2-stage		Х
- 110" MLH / 77" OLH 2-stage		Х
- 122" MLH / 83" OLH 2-stage	х	
- 130" MLH / 87" OLH 2-stage		Х
- 140" MLH / 92" OLH 2-stage		X
- 153" MLH / 72" OLH 3-stage		Х
- 168" MLH / 77" OLH 3-stage		Х
- 186" MLH / 83" OLH 3-stage		Х
Two speed lift / lower	Х	
Proportional lift / lowering (W40ZA)		Х
HANDLING	STD	OPT
33.75" carriage	Х	
34" hook type integral sideshift carriage		Х
48" high load backrest extension	Х	
Without load backrest		Χ
Forks (W25-30ZA2)		
- 36" x 1.5" x 3.9" hook type - standard taper forks		Χ
- 42" x 1.6" x 3.9" hook type - standard taper forks	Х	
- 48" x 1.6" x 3.9" hook type - standard taper forks		Х
Forks (W40ZA)		.,
- 36" x 1.75" x 4.0" hook type - standard taper forks	٠,,	Х
- 42" x 1.75" x 4.0" hook type - standard taper forks	Х	V
- 48" x 1.75" x 4.0" hook type - standard taper forks Without forks		X
WILLIOU TO V2		Х

12 months / no limit full truck warranty 36 months / 6,000 hours powertrain warranty 60 months / 10,000 hour frame warranty 3 year 6,000 hour part A comprehensive parts and labor no deduct 5 year 10,000 hour part A comprehensive parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 4 X 5 year 10,000 hour part B powertrain parts and labor no deduct 4 X 6 HY-Shield - part A extension to 3 yrs / 6,000 hrs - part B extension to 5 yrs / 10,000 hrs	ERGONOMICS	STD	OPT
OPERATION Key switch start Key test boggle start with auxiliary key switch Base arms - 37" Open and clearance with 55" outside dimension (overall width) - (W40ZA) - 42" Open and clearance with 50" outside dimension (overall width) - adjustable 37", 39.4", 42" 49" open and clearance (W25ZAZ) - 43" Open and clearance with 50" outside dimension (overall width) - adjustable 37", 39.4", 42" 49" open and clearance (W25ZAZ) - 43" Open and clearance with 50" outside dimension (overall width) - x 49" Open and clearance with 50" outside dimension (overall width) - x 49" Open and clearance with 50" outside dimension (overall width) - x 49" Open and clearance with 50" outside dimension (overall width) - x 49" Open and clearance with 50" outside dimension (overall width) - x 49" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 44" Open and clearance with 50" outside dimension (overall width) - x 40" outside 50" outside dimension (overall width) - x 50" outside 50" outside dimension (overall width) - x 50" outside 50" outside 60" out		Х	
Key switch start X Reyless toggle start with auxiliary key switch X Base arms X - 37" Open and clearance with 45" outside dimension (overall width) X - 42" Open and clearance with 50" outside dimension (overall width) X - 43" Open and clearance with 51" outside dimension (overall width) X - 49" Open and clearance with 51" outside dimension (overall width) X - 49" Open and clearance with 51" outside dimension (overall width) X - 49" Open and clearance with 51" outside dimension (overall width) X - 49" Open and clearance with 52" outside dimension (overall width) X - 49" Open and clearance with 52" outside dimension (overall width) X - 49" Open and clearance with 52" outside dimension (overall width) X - 49" Open and clearance with 52" outside dimension (overall width) X - 49" Open and clearance with 52" outside dimension (overall width) X - 49" Open and clearance with 52" outside dimension (overall width) X - 49" Open and clearance with 52" outside dimension (overall width) X - 50" outside dimension (overall width) X - 40" Open and clearance with 52" outside dimension (overall width) X <td></td> <td></td> <td></td>			
Keyless toggle start with auxiliary key switch Base arms - 37' Open end clearance with 45' outside dimension (overall width) - (W40ZA) - 42' Open end clearance with 50' outside dimension (overall width) - adjustable 37', 394', 42", 49' open end clearance (W25ZA2) - 42' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 50' Open end clearance with 57' outside dimension (overall width) - 50' Open end clearance with 57' outside dimension (overall width) - 50' Open end clearance with 57' outside dimension (overall width) - 50' Open end clearance with 57' outside dimension (overall width) - 50' Open end clearance with 57' outside dimension of overall width) - 50' Open e			OPT
Base arms - 37 Open end clearance with 45° outside dimension (overall width) - (W40ZA) - 42° Open end clearance with 50° outside dimension (overall width) - 24° Open end clearance with 50° outside dimension (overall width) - 24° Open end clearance with 50° outside dimension (overall width) - 24° Open end clearance with 50° outside dimension (overall width) - 24° Open end clearance with 50° outside dimension (overall width) - 24° Open end clearance with 50° outside dimension (overall width) - 24° Open end clearance with 50° outside dimension (overall width) - 24° Open end clearance with 50° outside dimension (overall width) - 25° Open end clearance with 50° outside dimension (overall width) - 26° Open end clearance with 50° outside dimension (overall width) - 26° Open end clearance with 50° outside dimension (overall width) - 26° Open end clearance with 50° outside dimension (overall width) - 26° Open end clearance with 50° outside dimension (overall width) - 27° Open end clearance with 50° outside dimension (overall width) - 28° Open end clearance with 50° outside dimension (overall width) - 28° Open end clearance with 50° outside dimension (overall width) - 28° Open end clearance with 50° outside dimension (overall width) - 28° Open end clearance with 50° outside dimension (overall width) - 28° Open end clearance with 50° outside dimension (overall width) - 28° Open end clearance with 50° outside dimension (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end (overall width) - 28° Open end clearance with 50° outside (overall width) - 28° Open end (overall width) - 28° Open end	•	Х	
- 37* Open end clearance with 57* outside dimension (overall width) - (W40ZA) - 42* Open end clearance with 57* outside dimension (overall width) - 43* Open end clearance with 57* outside dimension (overall width) - x - x - 43* Open end clearance with 57* outside dimension (overall width) - x - x - 43* Open end clearance with 57* outside dimension (overall width) - x - x - 44* Open end clearance with 57* outside dimension (overall width) - x - x - 44* Open end clearance with 57* outside dimension (overall width) - x - x - x - 44* Open end clearance with 57* outside dimension (overall width) - x - x - x - x - x - x - x - x - x -	, ,		Х
- 42° Dopen end clearance with 50° outside dimension (overall width) adjustable 37′, 394′, 42°, 49° pone not clearance (w152Az)			
- adjustable 37', 39.4', 42', 49' open and olearance (W75ZAZ) - 43' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 49' Open end clearance with 57' outside dimension (overall width) - 40' Open end clearance with 57' outside dimension (overall width) - 40' Audible alarm self adjusting 82-102db(A) - Forward and reverse activation - 175 amp red - 175 amp re		Х	
- 43° Open end clearance with 51° outside dimension (overall width)		х	
-49* Open end clearance with 57* outside dimension (overall width) Audible alarms eff adjusting 82-102db (A) - Forward and reverse activated - Motion alarm - Forward, reverse, lift, lower activated Battery connector - 175 amp red - 175 amp			V
Audible alarm self adjusting 82-102db(A) - Motion alarm - forward, reverse, lift, lower activated			
- Forward and reverse activated Battery connector - Motion alarm - Forward, reverse, lift, lower activated Battery connector - 175 amp grey - X-type 175 amp red (W25ZA2) - X-type 175 amp red (W25ZA2) - Retail dight - Battery discharge indicator - Hour meter - Fault light - Lift interrupt Electric horn Electric horn Electric magnetic park brake - Traction reversing switch - W CONSTRUCTION - U. Classification Type *E* - Application-fenvironmental construction - Standard environmental construction + 32*F - Cold storage/freezer package to -15°F Battery compartment - Scandard environmental construction + 32*F - Sol' x 28.3" (W25ZA2) - 9.0" x 28.3" (W35ZA2) - 9.0" x 28.3"			X
- Motion alarm - forward, reverse, lift, lower activated Battery connector - 175 amp gred			
Baltery connector - 175 amp grey - X-type 175 amp red (W25ZA2) - X-type 175 amp red (W25ZA2) - X-type 175 amp red (W25ZA2) - Sattery discharge indicator - Hour meter - Fault light - Lift interrupt Electric horn - Lectric horn - Lectric horn - Lectric horn - Lectric magnetic park brake - Traction reversing switch - X - Cold storage/freezer package to -15°F - X - X - Cold storage/freezer package to -15°F - X - X - X - Cold storage/freezer package to -15°F - X - X - X - X - X - X - X - X - X - X		X	.,
- 175 amp red - 175 amp grey - X-type 175 amp grey - X-type 175 amp red (W25ZA2) - X-type 175 amp red (W25ZA2) - Authorite of display - Battery discharge indicator - Hour meter - Fault light - Lift interrupt Electric horn Electric horn Electro-magnetic park brake - X X Traction reversing switch - X X			X
- 175 amp grey - X-type 175 amp red (W25ZA2) Multifunction display - Battery discharge indicator - Hour meter - Fault light - Lift interrupt Electric horn - Lift interrupt Electric horn - Lift interrupt Electric horn - X ZONSTRUCTION - Standard environmental construction - 28 32 (W25ZA2) - 29 0" x 28.3" (W25ZA2) - 29 0" x 28.3" (W25ZA2) - 29 0" x 28.3" (W25ZA2) - 13.5" x 3.3" (W40ZA) - 13.5" x 3.5" (W50ZA2) - 13.5" x 3.5			
- X-type 175 amp red (W25ZA2) Multifunction display - Battery discharge indicator - Hour meter - Fault light - Lift interrupt Electric horn Electric horn Electro-magnetic park brake		X	.,
Multifunction display - Battery discharge indicator - Hour meter - Fault light - Lift interrupt Electric horn Electro-magnetic park brake - X ZONSTRUCTION - VIL Classification Type 'E' - Application/environmental construction - Standard environmental construc			
- Battery discharge indicator - Hour meter - Fault light - Lift interrupt Electric horn Electro-magnetic park brake - X Traction reversing switch - Stop OPT UL Classification Type "E" - Application/environmental construction - Standard environmental construction - Standard environmental construction +32°F - Cold storage/freezer package to -15°F - Battery compartment - 8.0 "x 28.3" (W.25ZA2) - 9.0 "x 29.3" (W.25ZA2) - 9.0 "x 29.3" (W.35ZA2) - 13.5" x 33" (W.40ZA) - 13.5" x 33" (X
- Hour meter - Fault light - Lift interrupt Electric horn X			
- Fault light - Lift interrupt Electric horn			
Lift interrupt Electric horn Electric horn Electric horn Electro-magnetic park brake X X Traction reversing switch X X DONSTRUCTION UL Classification Type "E" X POPUL Classification Package to -15°F X X POPUL Classification Package to -15°F X X X X X X X X X X X X X X X X X X X			X
Electric horn Electro-magnetic park brake Traction reversing switch ZONSTRUCTION UL Classification Type "E" Application/environmental construction - Standard environmental construction +32°F - Cold storage/freezer package to -15°F Battery compartment - 8.0" x 28.3" (W252A2) - 9.0" x 28.3" (W252A2) - 9.0" x 28.3" (W252A2) - 13.5" x 33" (W40ZA) - X X X X X X X X X X X X X X X X X X X			
Electro-magnetic park brake Traction reversing switch STD OPT UL Classification Type "E" Application/environmental construction - Standard environmental construction +32°F - Cold storage/freezer package to -15°F Battery compartment - 8.0" x 28.3" (W25ZA2) - 9.0" x 28.3" (W25ZA2) - 9.0" x 28.3" (W35ZA2) - 13.5" x 33" (W40ZA) - 13.5" x 35" (W40ZA) - 1	•		
Traction reversing switch STID OPT LO Classification Type "E" Application/environmental construction - Standard environmental construction +32°F - Cold storag/freezer package to -15°F Battery compartment - 8.0" x 28.3" (W25ZA2) - 9.0" x 28.3" (W25ZA2) - 9.0" x 32.9" (W30ZA2) - 13.5" x 33" (W40ZA) - 13.5" x 33" (W40ZAA) - 13.5" x 32" (W40ZAA) - 13.5" x 33" (W40ZAA) - 13.5" x 32" (W40ZAA) - 13.5" x 33" (W40ZAA) - 13.5" x 32" (W40ZAA) - 13.5" x 33" (W40ZAA) - 13.5" x 32" (W40			
CONSTRUCTION UL Classification Type "E"	•		
UL Classification Type "E" x Application/environmental construction - Standard environmental construction +32°F x Cold storage/freezer package to -15°F x x Eattery compartment -8.0° x 28.3° (W25ZA2) x x -9.0° x 28.3° (W25ZA2) x x -9.0° x 28.3° (W25ZA2) x x -9.0° x 32.9° (W30ZA2) x x x -13.5° x 33° (W40ZA) x x Side battery extraction (W40ZA) x x Side battery extraction (W40ZA) x x x Islft out battery removal x x Side battery extraction (W40ZA) x x x Islft out battery removal x x x x x x x x x x x x x x x x x x x			ADT
Application/environmental construction - Standard environmental construction +32°F - Cold storage/freezer package to -15°F Battery compartment - 8.0" x 28.3" (W25ZA2) - 9.0" x 28.3" (W25ZA2) - 9.0" x 28.3" (W25ZA2) - 9.0" x 28.3" (W25ZA2) - 13.5" x 33" (W40ZA) - 13.5" x 35" (W40ZA) -			OPI
- Standard environmental construction +32°F - Cold storage/freezer package to -15°F - Sattery compartment - 8.0" x 28.3" (W25ZA2) - 9.0" x 28.3" (W25ZA2) - 9.0" x 32.9" (W30ZA2) - 13.5" x 33" (W40ZA) - 13.5" x 33" (W40ZA) - Lift out battery removal Side battery extraction (W40ZA) WISIBILITY STD Wire mesh screen Lexan shield - mast Amber strobe light - Forward and reverse activation - Continuous operation with key-on ENERGY SYSTEM Set for flooded cell Set for maintenance free 10V 195AH/60-HZ GNB Champion Pallet Pro maintenance free battery with on-board charger (W25-30ZA2) x Without battery x Without battery x Without battery SUPPLEMENTAL 12 months / no limit full truck warranty 3 months / 6,000 hours powertrain warranty 4 year 6,000 hour part A comprehensive parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 5 year 10,000 hour part B powertrain parts and labor no deduct 4 W-Shield - part A extension to 3 yrs / 6,000 hrs - part B extension to 5 yrs / 10,000 hors		X	
- Cold storage/freezer package to -15°F Battery compartment	••		
Battery compartment - 8.0" x 28.3" (W25ZA2)		Х	
- 8.0" x 28.3" (W25ZA2) x y - 9.0" x 28.3" (W25ZA2) x x - 9.0" x 28.3" (W25ZA2) x x - 9.0" x 32.9" (W30ZA2) x x x - 13.5" x 32.9" (W30ZA2) x x x - 13.5" x 33" (W40ZA) x x x - 13.5" x 33" (W40ZA) x x x - 15.5" x 33" (W40ZA) x x x - 15.5" x 33" (W40ZA) x x x - 15.5" x 35" (W40ZA) x x - 15.5" x 35" x			X
- 9.0" x 28.3" (W25ZA2) - 9.0" x 32.9" (W30ZA2) Lift out battery removal Side battery extraction (W40ZA) X XISIBILITY Wire mesh screen Lexan shield - mast Amber strobe light - Forward and reverse activation - Reverse activation - Continuous operation with key-on ENERGY SYSTEM Set for flooded cell Set for maintenance free X Set for maintenance free X 170AH/50-60Hz flooded cell battery power pack with 20AMP high frequency smart charger (W25ZA2) X170AH/50-60Hz ROM maintenance free battery with 20 AMP high frequency smart charger (W25ZA2) X Without battery X SUPPLEMENTAL X 36 months / 10,000 hour part A comprehensive parts and labor no deduct X 5 year 10,000 hour part A comprehensive parts and labor no deduct X 5 year 10,000 hour part B powertrain parts and labor no deduct X Y-Shield - part A extension to 3 yrs / 6,000 hrs - part B extension to 5 yrs / 10,000 hrs X 2 Lift out battery x x x x x x x x x x x x x x x x x x x			l
- 9.0" x 32.9" (W30ZA2) - 13.5" x 33" (W40ZA)			X
- 13.5" x 33" (W40ZA) x Lift out battery removal x Side battery extraction (W40ZA) x X Side battery extraction (W40ZA) x XISIBILITY STD OPT Wire mesh screen x Lexan shield - mast x Amber strobe light - Forward and reverse activation x - Reverse activation x - Continuous operation with key-on x ENERGY SYSTEM STD OPT Set for flooded cell x Set for maintenance free x 110V 195AH/60HZ GNB Champion Pallet Pro maintenance free battery with on-board charger (W25-30ZA2) x 170AH/50-60Hz flooded cell battery power pack with 20AMP high frequency smart charger (W25ZA2) x Without battery x SUPPLEMENTAL STD OPT 12 months / no limit full truck warranty x 36 months / 6,000 hour part A comprehensive parts and labor no deduct x 5 year 10,000 hour part A comprehensive parts and labor no deduct x 5 year 10,000 hour part B powertrain parts and labor no deduct x 5 year 10,000 hour part B powertrain parts and labor no deduct x 5 year 10,000 hour part B powertrain parts and labor no deduct x 5 year 10,000 hour part B powertrain parts and labor no deduct x 5 year 10,000 hour part B powertrain parts and labor no deduct x 5 year 10,000 hour part B powertrain parts and labor no deduct x 5 year 10,000 hour part B powertrain parts and labor no deduct x 5 year 10,000 hour part A extension to 3 yrs / 6,000 hrs - part B extension to 5 yrs / 10,000 hrs			
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	Parts manual - CD or printed		Х





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