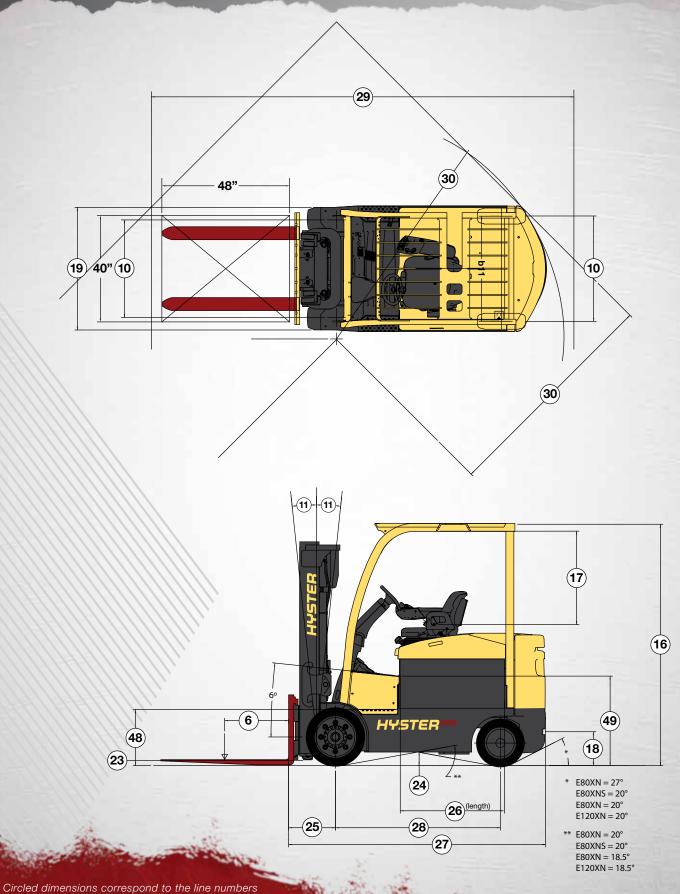


# **TECHNICAL GUIDE** Counterbalanced Electric, Cushion Tire



# **E80-120XN DIMENSIONS**



on the tabulated chart inside the Technical Guide. Dimensions are in inches (millimeters).

## **E80XN SPECIFICATIONS**

adel Designation wer ted Capacity ad Center re Type - Cushion, Solic re Size aels - Number ead ast Tilt ast - Lowered Height thee Lift - Top of Fork ast - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Manufacturer Model Designation Power Operation Rated Capacity Load Center Tire Type - Cushion, Sol Tire Size Wheels - Number Tread Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height Overal Width	X=Driven Center of Tires Std 2 Stg Limited Free Lift Mass Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mass Std Mast with / without LBR Std / Opt / Opt Flat Plate	ith / without LBR	Ib. (kg) in. (mm) in. in. degrees in. (mm) in. (mm) in. (mm)		Hyster E80XN Electric Sit 8000 (3629) 24 (610) Cushion / Cushion 22 x 9 x 16 / 18 x 6 x 12.1 2X / 2 37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B 84.1 (2134)	)			
wer ted Capacity ad Center re Type - Cushion, Solic re Size heels - Number aad ast Tilt aat - Lowered Height tee Lift - Top of Fork ast - Extended Height rehead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Power Operation Rated Capacity Load Center Tire Type - Cushion, Sol Tire Size Wheels - Number Tread Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	X=Driven Center of Tires Std 2 Stg Limited Free Lift Mass Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mass Std Mast with / without LBR Std / Opt / Opt Flat Plate	Drive / Steer Drive / Steer Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	in. (mm) in. in. (mm) degrees in. (mm) in. (mm)		Electric Sit 8000 (3629) 24 (610) Cushion / Cushion 22 x 9 x 16 / 18 x 6 x 12.1 2X / 2 37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B	)			
eration ted Capacity ad Center re Type - Cushion, Solic re Size heels - Number ead ast - Number ead ast - Lowered Height ee Lift - Top of Fork ast - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Operation Rated Capacity Load Center Tire Type - Cushion, Sol Tire Size Wheels - Number Tread Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	X=Driven Center of Tires Std 2 Stg Limited Free Lift Mass Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mass Std Mast with / without LBR Std / Opt / Opt Flat Plate	Drive / Steer Drive / Steer Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	in. (mm) in. in. (mm) degrees in. (mm) in. (mm)		Sit 8000 (3629) 24 (610) Cushion / Cushion 22 x 9 x 16 / 18 x 6 x 12.1 2X / 2 37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B	)			
ted Capacity ad Center re Type - Cushion, Solic re Size heels - Number ead ast Tilt ast - Lowered Height ee Lift - Top of Fork ast - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Rated Capacity         Load Center         Tire Type - Cushion, Sol         Tire Size         Wheels - Number         Tread         Mast Tilt         Mast Tilt         Mast - Lowered Height         Free Lift - Top of Fork         Lift Height - Top of Fork         Vorehead Guard Height         SIP to Bottom Std OHG         Tow Pin Height	X=Driven Center of Tires Std 2 Stg Limited Free Lift Mass Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mass Std Mast with / without LBR Std / Opt / Opt Flat Plate	Drive / Steer Drive / Steer Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	in. (mm) in. in. (mm) degrees in. (mm) in. (mm)		8000 (3629) 24 (610) Cushion / Cushion 22 x 9 x 16 / 18 x 6 x 12.1 2X / 2 37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B	)			
ad Center re Type - Cushion, Solic re Size heels - Number ead ast Tilt ast - Lowered Height ee Lift - Top of Fork at - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Load Center Tire Type - Cushion, Sol Tire Size Wheels - Number Tread Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	X=Driven Center of Tires Std 2 Stg Limited Free Lift Mass Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mass Std Mast with / without LBR Std / Opt / Opt Flat Plate	Drive / Steer Drive / Steer Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	in. (mm) in. in. (mm) degrees in. (mm) in. (mm)		24 (610) Cushion / Cushion 22 x 9 x 16 / 18 x 6 x 12.1 2X / 2 37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B	)			
re Type - Cushion, Solic re Size heels - Number ead ast Tilt ast - Lowered Height ea Lift - Top of Fork it Height - Top of Fork ast - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Tire Type - Cushion, Sol Tire Size Wheels - Number Tread Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	X=Driven Center of Tires Std 2 Stg Limited Free Lift Mass Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mass Std Mast with / without LBR Std / Opt / Opt Flat Plate	Drive / Steer Drive / Steer Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	in. m. (mm) degrees in. (mm) in. (mm)		Cushion / Cushion           22 x 9 x 16 / 18 x 6 x 12.1           2X / 2           37 / 41 / 39.5 (941 / 1041 / 1003)           5F / 5B	)			
re Size heels - Number ead ast Tilt ast - Lowered Height ee Lift - Top of Fork it Height - Top of Fork ast - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Tire Size Wheels - Number Tread Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	X=Driven Center of Tires Std 2 Stg Limited Free Lift Mass Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mass Std Mast with / without LBR Std / Opt / Opt Flat Plate	Drive / Steer Drive / Steer Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	in. (mm) degrees in. (mm) in. (mm)		22 x 9 x 16 / 18 x 6 x 12.1 2X / 2 37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B	)			
heels - Number ead ast Tilt ast - Lowered Height ee Lift - Top of Fork it Height - Top of Fork ast - Extended Height erhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Wheels - Number         Tread         Mast Tilt         Mast - Lowered Height         Free Lift - Top of Fork         Lift Height - Top of Fork         Nast - Extended Height         Overhead Guard Height         SIP to Bottom Std OHG         Tow Pin Height	Center of Tires Std 2 Stg Limited Free Lift Mas Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mas Std Mast with / without LBR Std / Opt / Opt Flat Plate	Drive / Steer Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	in. (mm) degrees in. (mm) in. (mm)		2X / 2 37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B	)			
ead ast Tilt ast - Lowered Height ee Lift - Top of Fork it Height - Top of Fork ast - Extended Height erhead Guard Height P to Bottom Std OHG w Pin Height erall Width rks	Tread Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Center of Tires Std 2 Stg Limited Free Lift Mas Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mas Std Mast with / without LBR Std / Opt / Opt Flat Plate	Narr Dr / Wide Dr / Steer Std Opt Std Mast St th / without LBR	degrees in. (mm) in. (mm)		37 / 41 / 39.5 (941 / 1041 / 1003 5F / 5B 8F / 5B	;)			
ast Tilt ast - Lowered Height ee Lift - Top of Fork it Height - Top of Fork ast - Extended Height erhead Guard Height P to Bottom Std OHG w Pin Height erall Width rks	Mast Tilt Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Std 2 Stg Limited Free Lift Mas Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mas Std Mast with / without LBR Std / Opt / Opt Flat Plate	Std Opt Std Mast st ith / without LBR	degrees in. (mm) in. (mm)		5F / 5B 8F / 5B	)			
ast - Lowered Height ee Lift - Top of Fork it Height - Top of Fork ast - Extended Height erhead Guard Height P to Bottom Std OHG w Pin Height erall Width rks	Mast - Lowered Height Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mas Std Mast with / without LBR Std / Opt / Opt Flat Plate	Std Mast tt th / without LBR	in. (mm) in. (mm)						
ee Lift - Top of Fork it Height - Top of Fork ast - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Free Lift - Top of Fork Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mas Std Mast with / without LBR Std / Opt / Opt Flat Plate	ith / without LBR	in. (mm)		84.1 (2134)				
t Height - Top of Fork ast - Extended Height rerhead Guard Height P to Bottom Std OHG w Pin Height rerall Width rks	Lift Height - Top of Fork Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Opt 2 Stg Full Free Lift Mast w Std 2 Stg Limited Free Lift Mas Std Mast with / without LBR Std / Opt / Opt Flat Plate	ith / without LBR							
ast - Extended Height erhead Guard Height P to Bottom Std OHG w Pin Height erall Width rks	Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Std 2 Stg Limited Free Lift Mas           Std Mast with / without LBR           Std / Opt / Opt Flat Plate				5 (150)				
ast - Extended Height erhead Guard Height P to Bottom Std OHG w Pin Height erall Width rks	Mast - Extended Height Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Std Mast with / without LBR Std / Opt / Opt Flat Plate	st	in. (mm)		35 / 53 (900 / 1352)				
erhead Guard Height P to Bottom Std OHG w Pin Height erall Width rks	Overhead Guard Height SIP to Bottom Std OHG Tow Pin Height	Std / Opt / Opt Flat Plate		in. (mm)		120 (3050)				
P to Bottom Std OHG w Pin Height reall Width rks	SIP to Bottom Std OHG Tow Pin Height			in. (mm)		169 / 149 (4284 / 3783)				
<mark>w Pin Height</mark> erall Width <mark>rks</mark>	Tow Pin Height	0		in. (mm)	9	4 / 91 / 87.1 (2388 / 2311 / 2212	2)			
erall Width rks	-	Seat Depressed	Std / Susp / Swivel	in. (mm)	38	8.7 / 38.9 / 38.9 (984 / 989 / 98	9)			
rks	Overall Width	Vertical Center of Pin		in. (mm)	12.7 (324)					
		Standard Tread / Wide Tread		in. (mm)		47.2 / 50 (1200 / 1270)				
	Forks	Thickness x Width x Length		in. (mm)		2 x 4.9 x 42 (50 x 125 x 1067)				
andard Carriage Width	Standard Carriage Widt		Class III	in. (mm)		42 (1067)				
oor to Top of Battery Ro	Floor to Top of Battery R	illers		in. (mm)		20 (509)				
ound Clearance	Ground Clearance	Lowest Point	NL/RL	in. (mm)		3.8 / 3.5 (96 / 90)				
ound Clearance	Ground Clearance	Center of Truck	NL/RL	in. (mm)		5.3 / 5.1 (134 / 130)				
ad Distance	Load Distance	Center of Wheel to Face of For	ks	in. (mm)		17.6 (447)				
ttery Compartment	Battery Compartment	Height	Without / With Battery Rollers	in. (mm)		24.4 / 24 (620 / 609)				
		Width		in. (mm)		45.4 (1152)				
			Nominal	SIZE		39				
		Length	Actual	in. (mm)		39.2 (996)				
ngth to Face of Forks	Length to Face of Forks		Chassis Length	in. (mm)		96.5 (2451)				
heelbase	Wheelbase			in. (mm)		62 (1574)				
ght Angle Stack	Right Angle Stack			in. (mm)		150.8 (3831)				
ual Aisle	Equal Aisle	90° Intersecting Aisle		in. (mm)	79.4 (2017)					
Itside Turning Radius	Outside Turning Radius			in. (mm)	85.2 (2165)					
uck Weight	Truck Weight	Without Battery	NL	lb. (kg)		11070 (5021)				
le Loading - Drive	Axle Loading - Drive	Static with Max. Wt. Battery	NL/RL	lb. (kg)		6728 / 20098 (3052 / 9116)				
le Loading - Steer	Axle Loading - Steer	Static with Max. Wt. Battery	NL/RL	lb. (kg)	9141 / 3771 (4146 / 1710)					
						Standard Performance				
				VOLTS	36	48	80			
avel Speed	Travel Speed	Extended Shift OFF	NL/RL	mph (km/h)	11.4 / 9.7 (18.3 / 15.6)	12.7 / 12.2 (20.4 / 19.6)	12.7/12.2 (20.4/19.6)			
		Extended Shift ON	NL/RL	mph (km/h)	9.8 / 8.4 (15.8 / 13.5)	12.5 / 10.8 (20.1 / 17.4)	12.5/10.8 (20.1/17.4)			
t Speed	Lift Speed	Std 2 Stg LFL Mast	NL/RL	ft/min (m/sec)	94 / 58 (0.48 / 0.296)	118 / 73 (0.6 / 0.37)	118/73 (0.6/0.37)			
		Opt 2 Stg FFL Mast	NL/RL	ft/min (m/sec)	85 / 53 (0.4336 / 0.267)	107 / 66 (0.542 / 0.334)	107/66 (0.542/0.334)			
		Opt 3 Stg FFL Mast	NL/RL	ft/min (m/sec)	88 / 54 (0.448 / 0.276)	110 / 68 (0.56 / 0.345)	110/68 (0.56/0.345)			
wer Speed	Lower Speed	Std 2 Stg LFL Mast	NL/RL	ft/min (m/sec)		94 / 104 (0.48 / 0.53)				
		Opt 2 Stg FFL Mast	NL/RL	ft/min (m/sec)		75 / 91 (0.38 / 0.46)				
	0	Opt 3 Stg FFL Mast	NL/RL	ft/min (m/sec)		77 / 98 (0.39 / 0.5)	00 + 1 + 0 -			
adability	Gradability	5 Minute Rating	NL/RL	%	23 / 14.1	29.3 / 17.8	30.1 / 18.3			
		60 Minute Rating	NL/RL	%	8.4 / 5.4	10.6 / 6.8	10.9 / 7			
auch au Duill	Drawbar Pull	5 Minute Rating	NL/RL	lbf	3327 / 3193	4023 / 3864	4104 / 3941			
awbar Pull	Droko	60 Minute Rating	NL/RL	lbf	1246 / 1232	1511 / 1497	1541 / 1526			
	Brake	Method of Control	Service / Parking			Hydraulic / Spring Applied				
	Dattern	Method of Operation	Service / Parking			Foot / Automatic				
ake	Battery		Туре			Lead Acid				
				VOLTE	20		80			
ake	Treation Motor		60 Minute Deting							
ake ttery							28.2 (21)			
ake ttery action Motor				iip (KW)	33.3 (20.3)		48.3 (36)			
ake ttery action Motor mp Motor	Pump Motor									
ake ttery action Motor mp Motor action Motor	Pump Motor Traction Motor				Int		nle			
ake ttery action Motor mp Motor action Motor mp Motor	Pump Motor Traction Motor Pump Motor			in (mm)						
ake ttery action Motor mp Motor action Motor mp Motor mp Motor mber of Speeds	Pump Motor Traction Motor Pump Motor Number of Speeds		Lowest Point							
ake ttery action Motor Imp Motor action Motor Imp Motor Imber of Speeds ep Height	Pump Motor Traction Motor Pump Motor Number of Speeds Step Height			. ,						
ake ittery action Motor imp Motor action Motor imp Motor imp Motor imp G Speeds ep Height bor Height	Pump Motor Traction Motor Pump Motor Number of Speeds Step Height Floor Height	Ire			2248 (155)					
ake action Motor mp Motor action Motor mp Motor mp Motor mber of Speeds ep Height bor Height tachment Relief Pressu	Pump Motor Traction Motor Pump Motor Number of Speeds Step Height	re 3rd and 4th Function		gal/min (l/min)	16 (60) 69/66					
ake	Traction	<mark>lotor</mark> 1 Motor l <mark>otor</mark> 1 of Speeds	lotor 1 Motor lotor r of Speeds sight	Notor     15 % Rating       1 Motor     Type / Control Method       Notor     Type / Control Method       r of Speeds     Traction / Pump       sight     Lowest Point	Notor     15 % Rating     hp (kW)       n Motor     Type / Control Method       Notor     Type / Control Method       r of Speeds     Traction / Pump       light     in. (mm)       eight     Lowest Point     in. (mm)       nent Relief Pressure     psi (bar)	Motor         60 Minute Rating         hp (kW)         28.8 (21.5)           Notor         15 % Rating         hp (kW)         35.5 (26.5)           1 Motor         Type / Control Method	Motor         60 Minute Rating         hp (kW)         28.8 (21.5)         28.8 (21.5)           Notor         15 % Rating         hp (kW)         35.5 (26.5)         48.3 (36)           1 Motor         Type / Control Method			

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

CERTIFICATION: These Hyster<sup>®</sup> 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. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

# **E100XNS SPECIFICATIONS**

	_										
	1	Manufacturer Model Designation					Hyster				
	2	Model Designation					E100XNS				
Ξ	3	Power					Electric				
	4	Operation					Sit				
	5	Rated Capacity			lb. (kg)		10000 (4536)				
	6	Load Center			in. (mm)		24 (610)				
TIRES/WHEELS	7	Tire Type - Cushion, Solid	, Pneumatic, etc.	Drive / Steer			Cushion / Cushion				
ŧ.	8	Tire Size		Drive / Steer	in.		22 x 12 x 16 / 18 x 7 x 12.1				
S.	9	Wheels - Number	X=Driven	Drive / Steer			2X / 2				
≝ 1	10	Tread	Center of Tires	Narr Dr / Wide Dr / Steer	in. (mm)	40 / 43.9 / 38.3 (1015 / 1115 / 972)					
1	11	Mast Tilt		Std Opt	degrees		5F / 5B 8F / 5B				
	12	Mast - Lowered Height		Std Mast	in. (mm)		84.2 (2138)				
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Ma		in. (mm)	5 (150)					
	10	THE LITE TOP OFFOR	Opt 2 Stg Full Free Lift Mast w		in. (mm)		35 / 48 (897 / 1222)				
1	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast		in. (mm)		109 (2790)				
	15	• •	Std Mast with / without LBR	51							
		Mast - Extended Height			in. (mm)		159 / 144 (4031 / 3657)	(0)			
	16	Overhead Guard Height	Std / Opt / Opt Flat Plate		in. (mm)		4 / 91 / 87.1 (2388 / 2311 / 22				
	17	SIP to Bottom Std OHG	Seat Depressed	Std / Susp / Swivel	in. (mm)	38.7 / 38.9 / 38.9 (984 / 989 / 989)					
	18	Tow Pin Height	Vertical Center of Pin		in. (mm)	12.7 (324)					
	19	Overall Width	Standard Tread / Wide Tread		in. (mm)		52 / 55.9 (1320 / 1420)				
2	20	Forks	Thickness x Width x Length		in. (mm)		2 x 5.9 x 42 (50 x 150 x 1067)				
2 2	21	Standard Carriage Width		Class III	in. (mm)		42 (1067)				
2 2	22	Floor to Top of Battery Ro	llers		in. (mm)		20 (509)				
₩ 2	23	Ground Clearance	Lowest Point	NL/RL	in. (mm)		3.6 / 3.4 (92 / 87)				
2	24	Ground Clearance	Center of Truck	NL/RL	in. (mm)		5.3 / 5.1 (134 / 130)				
	25	Load Distance	Center of Wheel to Face of For		in. (mm)		17.8 (452)				
	26	Battery Compartment	Height	Without / With Battery Rollers			24.4 / 24 (620 / 609)				
4	20	Dattery compartment	-	Without / With Battery Rollers	in. (mm)						
			Width	Manufact	in. (mm)		45.4 (1152)				
				Nominal	SIZE		39"				
			Length	Actual	in. (mm)		39.2 (996)				
	27	Length to Face of Forks		Chassis Length	in. (mm)		100.3 (2548)				
2	28	Wheelbase			in. (mm)		62 (1574)				
2	29	Right Angle Stack			in. (mm)		154 (3911)				
	30	Equal Aisle	90° Intersecting Aisle		in. (mm)		83 (2107)				
	31	Outside Turning Radius	,		in. (mm)		88.2 (2240)				
- 4	32	Truck Weight	Without Battery	NL	lb. (kg)		13070 (5928)				
	33	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb. (kg)		6798 / 23542 (3084 / 10678)				
-	34	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	lb. (kg)		11069 / 4325 (5021 / 1962)				
> •		ANIC LOADING - Steel	Static with Max. Wt. Dattery		ib. (kg)		Standard Performance				
					VOLTS	36	48	80			
	06	Trougl Chood	Extended Chift OFF	NI / DI							
8	36	Travel Speed	Extended Shift OFF	NL/RL	mph (km/h)	10.3 / 8.8 (16.6 / 14.2)	11.4 / 11 (18.3 / 17.7)	11.4 / 11 (18.3 / 17.7)			
			Extended Shift ON	NL / RL	mph (km/h)	9.1 / 7.7 (14.6 / 12.4)	11.4 / 9.9 (18.3 / 15.9)	11.4 / 9.9 (18.3 / 15.9)			
	37	Lift Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	71 / 46 (0.36 / 0.232)	89 / 57 (0.45 / 0.29)	89 / 57 (0.45 / 0.29)			
5			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	67 / 43 (0.34 / 0.219)	84 / 54 (0.425 / 0.274)	84 / 54 (0.425 / 0.274)			
E.			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	68 / 44 (0.346 / 0.223)	85 / 55 (0.433 / 0.279)	85 / 55 (0.433 / 0.279)			
KIMANGE	38	Lower Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)		73 / 89 (0.37 / 0.45)				
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)		57 / 81 (0.29 / 0.41)				
PEKFU 60			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)		63 / 87 (0.32 / 0.44)				
23	39	Gradability	5 Minute Rating	NL/RL	%	19.4 / 11.8	24.6 / 14.7	25.2 / 15.1			
			60 Minute Rating	NL / RL	%	7.1 / 4.5	9.1 / 5.6	9.2 / 5.8			
4	40	Drawbar Pull	5 Minute Rating	NL/RL	lbf	3323 / 3185	3994 / 3832	4074 / 3909			
		2. amouri ull	60 Minute Rating	NL/RL	lbf	1242 / 1224	1497 / 1479	1527 / 1509			
	11	Brako	-		101	1272 / 1224		1327 / 1303			
4	41	Brake	Method of Control	Service / Parking			Hydraulic / Spring Applied				
		Dettern	Method of Operation	Service / Parking			Foot / Automatic				
4	42	Battery		Туре			Lead Acid				
							Standard Performance				
2					VOLTS	36	48	80			
	43	Traction Motor		60 Minute Rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)			
4	44	Pump Motor		15 % Rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)			
4	45	Traction Motor		Type / Control Method			AC / Transistor				
4	46	Pump Motor		Type / Control Method			AC / Transistor				
	47	Number of Speeds		Traction / Pump		In	finitely Variable / Infinitely Varia	able			
	48	Step Height		1	in. (mm)		21.1 (536)				
	49	Floor Height		Lowest Point	in. (mm)		33.7 (855)				
		Attachment Relief Pressu	re	Lowoot i Jiiit	psi (bar)		2248 (155)				
#		Addeninent nener Fressu									
JIHE	51	Auviliary Oil Flow	3rd and 1th Eunstion		aal/min (l/min)	16 (60)					
	51 52	Auxiliary Oil Flow Sound Level	3rd and 4th Function Measured per ANSI B56.11.5		gal/min (l/min) dB (A)		16 (60) 69/66				

(4)

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

CERTIFICATION: These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

# **E100XN SPECIFICATIONS**

								81 E			
	1	Manufacturer					Hyster				
H	2	Model Designation					E100XN				
R.	3	Power					Electric				
GENERAL	4	Operation					Sit				
GE	2 3 4 5 6 7	Rated Capacity			lb. (kg)		10000 (4536)				
	6	Load Center			in. (mm)		24 (610)				
SL	7	Tire Type - Cushion, Solid	, Pneumatic, etc.	Drive / Steer			Cushion / Cushion				
TIRES/WHEELS	8	Tire Size		Drive / Steer	in.	22 x 12 x 16 / 18 x 7 x 12.1					
SNN S	8 9 10	Wheels - Number	X=Driven	Drive / Steer			2X/2				
BB	10	Tread	Center of Tires	Narr Dr / Wide Dr / Steer	in. (mm)	4	0 / 43.9 / 38.3 (1015 / 1115 / 9	72)			
	11	Mast Tilt		Std Opt	degrees	T	5F / 5B 8F / 5B	-			
	12	Mast - Lowered Height		Std Mast	in. (mm)		84.2 (2138)				
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mas				5 (150)				
	15	FIEE LIIL - TOP OF FUIK	, , , , , , , , , , , , , , , , , , ,		in. (mm)						
	14	Lift Height - Top of Fork	Opt 2 Stg Full Free Lift Mast wi Std 2 Stg Limited Free Lift Mas		in. (mm)		35 / 48 (897 / 1222)				
	14 15	Mast - Extended Height	Std Mast with / without LBR	l.	in. (mm)		109 (2790)				
		•			in. (mm)		159 / 144 (4031 / 3657)	0)			
	16	Overhead Guard Height	Std / Opt / Opt Flat Plate	Otal / Owen / Owing!	in. (mm)		<mark>4 / 91 / 87.1 (2388 / 2311 / 22<sup>-</sup>)</mark>				
	17	SIP to Bottom Std OHG	Seat Depressed	Std / Susp / Swivel	in. (mm)	3	8.7 / 38.9 / 38.9 (984 / 989 / 9	59)			
	18	Tow Pin Height	Vertical Center of Pin		in. (mm)		12.7 (324)				
	19	Overall Width	Standard Tread / Wide Tread		in. (mm)		52 / 55.9 (1320 / 1420)				
NS	20	Forks	Thickness x Width x Length		in. (mm)		2 x 5.9 x 42 (50 x 150 x 1067)				
30	21	Standard Carriage Width		Class III	in. (mm)		42 (1067)				
NS.	22	Floor to Top of Battery Ro			in. (mm)		20 (509)				
DIMENSIONS	19 20 21 22 23 24	Ground Clearance	Lowest Point	NL / RL	in. (mm)		3.6 / 3.4 (92 / 87)				
DI	24	Ground Clearance	Center of Truck	NL/RL	in. (mm)		5.3 / 5.1 (134 / 130)				
	25	Load Distance	Center of Wheel to Face of Forl	s	in. (mm)		17.8 (452)				
	26	Battery Compartment	Height	Without / With Battery Rollers	in. (mm)		24.4 / 24 (620 / 609)				
			Width		in. (mm)		45.4 (1152)				
				Nominal	SIZE		45"				
			Length	Actual	in. (mm)		45.7 (1161)				
	27	Length to Face of Forks		Chassis Length	in. (mm)		103.1 (2621)				
	28	Wheelbase		ondolo Longin	in. (mm)		68.5 (1739)				
	29	Right Angle Stack			in. (mm)	158 (4012)					
	30	Equal Aisle	90° Intersecting Aisle		in. (mm)		84.3 (2141)				
	31	Outside Turning Radius			in. (mm)		92.2 (2341)				
E	22	Truck Weight	Without Battery	NL	lb. (kg)		12300 (5579)				
GH	32 22	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb. (kg)		7708 / 23813 (3496 / 10801)				
WEIGHT	32 33 34	Axle Loading - Steer					10139 / 4035 (4599 / 1830)				
>	34	Akie Luduiliy - Steel	Static with Max. Wt. Battery	NL/RL	lb. (kg)		Standard Performance				
					VOLTS	36	48	80			
	26	Trougl Chood	Extended Chift OFF	NL/RL							
	36	Travel Speed	Extended Shift OFF		mph (km/h)	10.3 / 8.8 (16.6 / 14.2)	11.4 / 11 (18.3 / 17.7)	11.4 / 11 (18.3 / 17.7)			
	07	L'II Oscal	Extended Shift ON	NL/RL	mph (km/h)	9.1 / 7.7 (14.6 / 12.4)	11.4 / 9.9 (18.3 / 15.9)	11.4 / 9.9 (18.3 / 15.9)			
	37	Lift Speed	Std 2 Stg LFL Mast	NL/RL	ft/min (m/sec)	71 / 46 (0.36 / 0.232)	89 / 57 (0.45 / 0.29)	89 / 57 (0.45 / 0.29)			
RMANCE			Opt 2 Stg FFL Mast	NL/RL	ft/min (m/sec)	67 / 43 (0.34 / 0.219)	84 / 54 (0.425 / 0.274)	84 / 54 (0.425 / 0.274)			
A			Opt 3 Stg FFL Mast	NL/RL	ft/min (m/sec)	68 / 44 (0.346 / 0.223)	85 / 55 (0.433 / 0.279)	85 / 55 (0.433 / 0.279)			
R I	38	Lower Speed	Std 2 Stg LFL Mast	NL/RL	ft/min (m/sec)		73 / 89 (0.37 / 0.45)				
<u></u>			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)		57 / 81 (0.29 / 0.41)				
PERFO			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)		63 / 87 (0.32 / 0.44)				
a.	39	Gradability	5 Minute Rating	NL / RL	%	19.9 / 11.9	25.2 / 15	25.8 / 15.3			
			60 Minute Rating	NL/RL	%	7.3 / 4.5	9.2 / 5.7	9.4 / 5.9			
	40	Drawbar Pull	5 Minute Rating	NL/RL	lbf	3322 / 3185	3970 / 3809	4049 / 3885			
			60 Minute Rating	NL/RL	lbf	1241 / 1224	1488 / 1470	1518 / 1500			
	41	Brake	Method of Control	Service / Parking			Hydraulic / Spring Applied				
			Method of Operation	Service / Parking			Foot / Automatic				
	42	Battery		Туре			Lead Acid				
							Standard Performance				
C					VOLTS	36	48	80			
TR	43	Traction Motor		60 Minute Rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)			
ELECTRIC	44	Pump Motor		15 % Rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)			
Ξ	45	Traction Motor		Type / Control Method			AC / Transistor				
	46	Pump Motor		Type / Control Method			AC / Transistor				
	43 44 45 46 47	Number of Speeds		Traction / Pump		In	finitely Variable / Infinitely Varia	ble			
	48	Step Height			in. (mm)		21.1 (536)				
æ	49	Floor Height		Lowest Point	in. (mm)		33.7 (855)				
OTHER	49 50 51	Attachment Relief Pressu	re	Lowoot i onit	psi (bar)		2248 (155)				
E	51	Auxiliary Oil Flow	3rd and 4th Function		gal/min (l/min)						
	C 1				944/1111 (1/11111)	16 (60)					
0	52	Sound Level	Measured per ANSI B56.11.5		dB (A)	69/66					

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

CERTIFICATION: These Hyster® lift trucks meet design specifications of 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. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

## **E120XN SPECIFICATIONS**

								200			
	1	Manufacturer Madel Designation					Hyster				
GENERAL	2	Model Designation					E120XN				
Ξ	3	Power					Electric				
E.	4	Operation					Sit				
5	5	Rated Capacity			lb. (kg)		12000 (5443)				
_	6	Load Center			in. (mm)		24 (610)				
ELS	7	Tire Type - Cushion, Solid	, Pneumatic, etc.	Drive / Steer			Cushion / Cushion				
TIRES/WHEELS	8	Tire Size		Drive / Steer	in.		22 x 12 x 16 / 18 x 7 x 12.1				
ES/	9	Wheels - Number	X=Driven	Drive / Steer			2X / 2				
TIR	10	Tread	Center of Tires	Narr Dr / Wide Dr / Steer	in. (mm)	4	0 / 43.9 / 38.3 (1015 / 1115 / 9	72)			
	11	Mast Tilt		Std Opt	degrees		5F / 5B 8F / 5B				
	12	Mast - Lowered Height		Std Mast	in. (mm)	84.2 (2138)					
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mas	t	in. (mm)	5 (150)					
			Opt 2 Stg Full Free Lift Mast wi		in. (mm)		35 / 48 (897 / 1222)				
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mas		in. (mm)		109 (2790)				
	15	Mast - Extended Height	Std Mast with / without LBR		in. (mm)		159 / 144 (4031 / 3657)				
	16	Overhead Guard Height	Std / Opt / Opt Flat Plate		in. (mm)	ç	4 / 91 / 87.1 (2388 / 2311 / 22	(2)			
	17	SIP to Bottom Std OHG	Seat Depressed	Std / Susp / Swivel	in. (mm)		8.7 / 38.9 / 38.9 (984 / 989 / 9	,			
	18	Tow Pin Height	Vertical Center of Pin		in. (mm)		12.7 (324)				
	19	Overall Width	Standard Tread / Wide Tread		in. (mm)	52 / 55.9 (1320 / 1420)					
S	19 20	Forks				7)					
S	20 21		Thickness x Width x Length	Class III	in. (mm)		2.4 x 5.9 x 42 (60 x 150 x 106) 42 (1067)	)			
DIMENSIONS	21	Standard Carriage Width	lloro	Class III	in. (mm)		42 (1067)				
E.	22	Floor to Top of Battery Ro		NIL ( DI	in. (mm)		20 (509)				
Σ	23	Ground Clearance	Lowest Point	NL/RL	in. (mm)		3.6 / 3.4 (92 / 87)				
	24	Ground Clearance	Center of Truck	NL / RL	in. (mm)		5.3 / 5.1 (134 / 130)				
	25	Load Distance	Center of Wheel to Face of Fork		in. (mm)		18.2 (462)				
	26	Battery Compartment	Height	Without / With Battery Rollers	in. (mm)	24.4 / 24 (620 / 609)					
			Width		in. (mm)		45.4 (1152)				
				Nominal	SIZE		45"				
			Length	Actual	in. (mm)		45.7 (1161)				
	27	Length to Face of Forks		Chassis Length	in. (mm)		107.2 (2724)				
	28	Wheelbase			in. (mm)	in. (mm) 68.5 (1739)					
	29	Right Angle Stack			in. (mm)	161.5 (4101)					
	30	Equal Aisle	90° Intersecting Aisle		in. (mm)		85.7 (2178)				
	31	Outside Turning Radius	<b>j</b>		in. (mm)		95.3 (2420)				
	32	Truck Weight	Without Battery	NL	lb. (kg)		13860 (6287)				
5	33	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb. (kg)		7556 / 26951 (3427 / 12225				
	34	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	lb. (kg)	11848 / 4453 (5374 / 2020)					
>	57	Axic Loading Otoci	otatio with max. Wt. Dattory		ib. (kg)	Standard Performance					
					VOLTS	36	48	80			
	36	Travel Speed	Extended Shift OFF	NL / RL	mph (km/h)	9.4 / 8 (15.1 / 12.9)	10.4 / 10 (16.7 / 16.1)	10.4 / 10 (16.7 / 16.1)			
	30	Πάνει ομέευ	Extended Shift ON	NL/RL	mph (km/h)	8.2 / 7 (13.2 / 11.3)	10.4 / 9 (16.7 / 14.5)	10.4 / 9 (16.7 / 14.5)			
	37	Lift Speed	Std 2 Stg LFL Mast	NL/RL		. ,	, ,	· · · /			
	31	Lift Speed	v		ft/min (m/sec)	71 / 43 (0.36 / 0.216)	89 / 53 (0.45 / 0.27)	89 / 53 (0.45 / 0.27)			
RMANCE			Opt 2 Stg FFL Mast	NL/RL	ft/min (m/sec)	67 / 40 (0.34 / 0.204)	84 / 50 (0.425 / 0.255)	84 / 50 (0.425 / 0.255)			
A		1	Opt 3 Stg FFL Mast	NL/RL	ft/min (m/sec)	68 / 41 (0.346 / 0.208)	85 / 51 (0.433 / 0.26)	85 / 51 (0.433 / 0.26)			
	38	Lower Speed	Std 2 Stg LFL Mast	NL/RL	ft/min (m/sec)		73 / 89 (0.37 / 0.45)				
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)		57 / 81 (0.29 / 0.41)				
PERFO			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)		63 / 87 (0.32 / 0.44)				
a	39	Gradability	5 Minute Rating	NL / RL	%	18.5 / 10.4	22.8 / 13.1	23.3 / 13.4			
			60 Minute Rating	NL / RL	%	6.6 / 4	8.3 / 5.1	8.5 / 5.1			
	40	Drawbar Pull	5 Minute Rating	NL / RL	lbf	3320 / 3179	3918 / 3755	3996 / 3830			
			60 Minute Rating	NL / RL	lbf	1239 / 1218	1466 / 1445	1495 / 1474			
	41	Brake	Method of Control	Service / Parking			Hydraulic / Spring Applied				
			Method of Operation	Service / Parking			Foot / Automatic				
	42	Battery		Туре			Lead Acid				
							Standard Performance				
сı					VOLTS	36	48	80			
ř	43	Traction Motor		60 Minute Rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)			
	43 44	Pump Motor		15 % Rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)			
÷.	44 45	Traction Motor		Type / Control Method	inp (icity)	55.5 (20.3)	AC / Transistor	-10.0 (30)			
	46	Pump Motor		Type / Control Method			AC / Transistor				
	47	Number of Speeds		Traction / Pump	1. (	In	finitely Variable / Infinitely Varia	ldie			
	48	Step Height			in. (mm)		21.1 (536)				
	49	Floor Height		Lowest Point	in. (mm)		33.7 (855)				
<b>#</b>		Attachment Delief Dreesu	re		psi (bar)		2248 (155)				
THER	50	Attachment Relief Pressu				16 (60)					
0THE	50 51 52	Auxiliary Oil Flow Sound Level	3rd and 4th Function Measured per ANSI B56.11.5		gal/min (l/min) dB (A)		16 (60) 69/66				

Above specifications, unless otherwise listed, are for a standard truck without optional equipment. Right Angle Stack and Equal Intersecting Aisle dimensions provided with a 48" long and 40" wide pallet load, allowing zero clearance.

CERTIFICATION: These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

# **MAST DIMENSIONS AND BATTERY SPECIFICATIONS**

Maximum Fork Height (TOF) +	Overall Lowered Ht.	Overall Extended Height w/Load Backrest	Overall Extended Height w/o Load Backrest	Free-Lift (TOF) w/ Load Backrest	Free-Lift (TOF) w/o Load Backrest					
in. (mm)	in. (mm) in. (mm) in. (mm)		in. (mm)	in. (mm)	in. (mm)					
2-STAGE LIMITED FREE-LIFT (LFL) MAST										
120 (3050)	84 (2134)	176 (4455)	149 (3783)	5 (150)	5 (150)					
143 (3650)	96 (2434)	193 (4884)	173 (4383)	5 (150)	5 (150)					
2-STAGE FULL FREE-LIFT (FFL)	MAST		· · · · · · · · · · · · · · · · · · ·							
121 (3075)	84 (2134)	170 (4309)	152 (3857)	35 (900)	53 (1352)					
144 (3675)	96 (2434)	194 (4909)	176 (4457)	47 (1200)	65 (1652)					
3-STAGE FULL FREE-LIFT (FFL)	MAST	·	·							
173 (4415)	84 (2134)	223 (5649)	205 (5197)	35 (900)	53 (1352)					
185 (4715)	88 (2234)	235 (5949)	217 (5497)	39 (1000)	57 (1452)					
194 (4950)	92 (2334)	244 (6184)	226 (5732)	43 (1100)	61 (1552)					
218 (5550)	100 (2534)	268 (6784)	250 (6332)	51 (1300)	69 (1752)					

E100XNS, E100XN, E120XN MAST DIMENSIONS										
Maximum Fork Height (TOF) +	Overall Lowered Ht.	Overall Extended Height w/Load Backrest	Overall Extended Height w/o Load Backrest	Free-Lift (TOF) w/ Load Backrest	Free-Lift (TOF) w/o Load Backrest					
in. (mm)	in. (mm) in. (mm) in. (mm		in. (mm)	in. (mm)	in. (mm)					
2-STAGE LIMITED FREE-LIFT (LFL) MAST										
109 (2790)	85 (2138)	159 (4031)	144 (3657)	5 (150)	5 (150)					
133 (3390)	133 (3390) 96 (2438)		168 (4257)	5 (150)	5 (150)					
157 (3990)	157 (3990) 108 (2738)		192 (4857)	5 (150)	5 (150)					
2-STAGE FULL FREE-LIFT (FFL)	MAST									
110 (2815)	85 (2138)	160 (4056)	147 (3731)	35 (897)	48 (1222)					
134 (3415)	96 (2438)	184 (4656)	171 (4331)	47 (1197)	59 (1522)					
3-STAGE FULL FREE-LIFT (FFL)	MAST		·							
162 (4137)	85 (2138)	212 (5378)	200 (5058)	35 (897)	47 (1217)					
184 (4690)	92 (2338)	234 (5931)	221 (5611)	43 (1097)	55 (1417)					
208 (5290)	100 (2538)	258 (6531)	245 (6211)	51 (1297)	63 (1617)					

BATTERY and COMPARTMENT SPECIFICATIONS												
Truck Model	Battery Compartment Dimensions			Battery Dimensions and Specifications						Max Capacity	Weight	
	Width	Length	Height	"X"	"Y"	"Z"	Volts	olts No. of Cells	Plates per Cell	6 Hour Rate	Min	Max
	in (mm)			in (mm)					amp hr (kwh)	lb (kg)		
E80XN	45.4 (1152)		.2 (996) 24.5 (622)	45 (1143)	39 (990)	23.9 (608)	36	18	33	2300 (80.3)		4800 (2177)
E100XNS		39.2 (996) 24.5					48	24	29	1800 (83.8)	3400 (1542)	
39" Compartment							80	40	15	1000 (77.6)		
E100XN							36	36	19	2300 (160.6)		
E120XN	45.4 (1152)	1152) 45.7 (1161) 24.5	24.5 (622)	45 (1143)	45.3 (1150)	23.9 (608)	48	24	33	1800 (83.8)	4000 (1814)	5500 (2517)
45" Compartment							80	40	17	1000 (77.6)		

Battery Type: "EO" (Without Cover)

Battery amp hr (kwh) capacity is max allowable per UL

Commercially available lead acid batteries may not necessarily reach these max limits

Battery Roller option reduces battery compartment height to 24.0" (609mm) & max battery height to 23.4" (595mm)

Battery Compartment Length is measured front to rear. Battery Compartment Width is measured across the truck

 Battery Notes - Conventional Charging (Opt G26201)

 Battery Connector:
 36 volt - Grey SB®350 (Anderson Power Products® P/N 6320G2 or equivalent) 48 volt - Blue SB®350 (Anderson Power Products® P/N 6321G2 or equivalent) 80 volt - Blue SBE®320 (Anderson Power Products® P/N 66359G3 or equivalent)

 Handle (not required):
 SB®350 and SBE®320 (Anderson Power Products® : "A" TYPE (Grey) P/N 995G2 or equivalent)

 Battery Lead:
 Length 20" (508 mm), Position "B", 4/0 AWG

Battery Notes - Rapid/Fast Charging (Opt G26202)

Battery Connector: Requires Unlarging (Upt Gzo202) Battery Connector: Requires Dual Positive / Negative Cabling terminating in (2) Female EBC-320 DIN Connectors (Anderson Power Products<sup>®</sup> P/N E32504-00X9 or equivalent) Each individual DIN connector to include 1 Red Conductor to (+) and 1 black conductor to (-) Battery Lead: Length 25" (635 mm), Position "B", Minimum Cable Size 4/0 AWG

#### STANDARD EQUIPMENT

- 2-Stage Limited Free Lift (LFL) mast with Maximum Fork Height of 120" (3050mm) (E80XN) or 109" (2790mm) (E100-120XN)
- 5° Forward and 5° Back Mast Tilt
- 42" (1067mm) Wide Class III (E80XN) or Class IV (E100-120XN) Hooktype Carriage with 48" (1219mm) High Load Backrest Extension
- 42" (1067mm) Long Forks
- Smooth Tread Rubber Drive Tire and Steer Tire
- Battery Compartment Size (Length)
   39" for the E80XN-100XNS
  - 45.5" for the E100-120XN
- Lift Out Battery Extraction
- 36 Volt Electrical System
- Standard Construction
- UL Classification Type "E"
- 12" Steering Wheel with Integral Spinner Knob
- On-Demand Hydrostatic Power Assist Steer System
- Non-Suspension Vinyl Seat
- Black ELR Non-Cinch Seat Belt
- Auto Park Brake
- Key Switch Start
- 94" Grid Style Overhead Guard
- MONOTROL<sup>®</sup> Foot Direction Control
- 3 Function Hydraulic Control Valve w/Seat Side Mechanical Levers
- AC Traction and Pump Motors (Completely Brushless)
- Transistor Drive and Pump Control
- Advanced VSM (Vehicle System Manager)
- Progressive Thermal Management System
- Fully Integrated CANbus Communication
- Hyster Stability System (HSS<sup>®</sup>)
- Power Assist Braking
- ADS (Auto Deceleration System) with Regenerative Braking
- Multifunction Display
  - Battery State of Charge Indicator with Lift Interrupt
  - Hour Meters Traction Motor, Lift Pump Motor and Truck
  - Performance Mode Indicator
  - Direction Indicator
  - Fault Indicator (Audible & Visible)
- 4 Operator Selectable, Programmable Performance Modes
- Easy Ingress/Egress w/Low Step Height and Contoured Handhold
- Operator Convenience Station Storage Areas, Beverage & Clipboard Holders
- Adjustable Tilt Steering Column with Low Profile Cowl for Excellent Visibility
- Anti-Cinch Operator Restraint System
- Operator Presence System
- Cushioned Floormat
- Static Strap
- Tow Pin
- Seatside Power Disconnect Button
- On-Board Software
  - Program, Test & Diagnose
  - Password Protected
- Electronic Horn with Integral Relay (Long Life / No Adjustments)

- 12 Month / 2,000 Hour Full Truck Warranty
- 24 Month / 4,000 Hour Powertrain Warranty
- Operating Manual

#### **OPTIONAL EQUIPMENT:**

- Side Extraction Battery Removal with Rollers
- 48 or 80 Volt Electrical System
- Rapid / Fast Charge
- Cooler / Freezer Package
- UL Classification Type "EE"
- Available with 2-stage Limited Free Lift (LFL) and 2- or 3-stage Full Free Lift (FFL) masts
- Carriage with Integral Sideshift
- Attachment Carriages (E100XN/XNS)
- Mast Tilt Option 8° Forward / 5° Back
- Return to Set Tilt
- Accumulator
- TouchPoint Hydraulic Mini-levers with Fully Adjustable Armrest
- 4 Function Hydraulic Control Valve
- Non-Marking, Rubber, or Lug Tread Tires
- Wide Tread Tires
- Non-Suspension Seat (Cloth)
- Full Suspension Seat (Vinyl or Cloth)
- Swivel Seat, Full Suspension (Vinyl or Cloth)
- 91" Grid Style Overhead Guard
- 87" Flat Plate Overhead Guard
- Keyless Start (with Auxiliary Key Switch)
- Seat Side Directional Control
- Telescopic Steering Column with Tilt Memory
- LED and Halogen work light packages
- LED Dome / Reading Light
- LED Brake / Tail / Back-Up light packages
- Audible Reverse Activated Alarm
- Visible Amber Strobe Light Continuous Activated, Overhead Guard Mounted
- Rear Drive Handle with Integrated Horn Button
- Mirrors Dual Rear View or Single Panoramic
- Load Weight Indicator
- Impact Monitor
- Operator Password
- Operator Daily Checklist
- System Monitor Hydraulic Low Fluid Level Indicator and Hydraulic Filter Service Indicator
- Hydraulic Attachment Extension Tubes with and without Quick
   Disconnect Fittings
- Maintenance Reminder
- Fire Extinguisher 2.5 lb. Dry Chemical
- Red (HI-VIS) ELR (Emergency Locking Retractor) Non-cinch Seat Belt
- Red (HI-VIS) ELR (Emergency Locking Retractor) Non-cinch Seat Belt with Start Interlock



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#### Visit us online at www.hyster.com/americas or call us at 1-800-HYSTER-1.

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Belt with Start Interlock

Low Mount Display