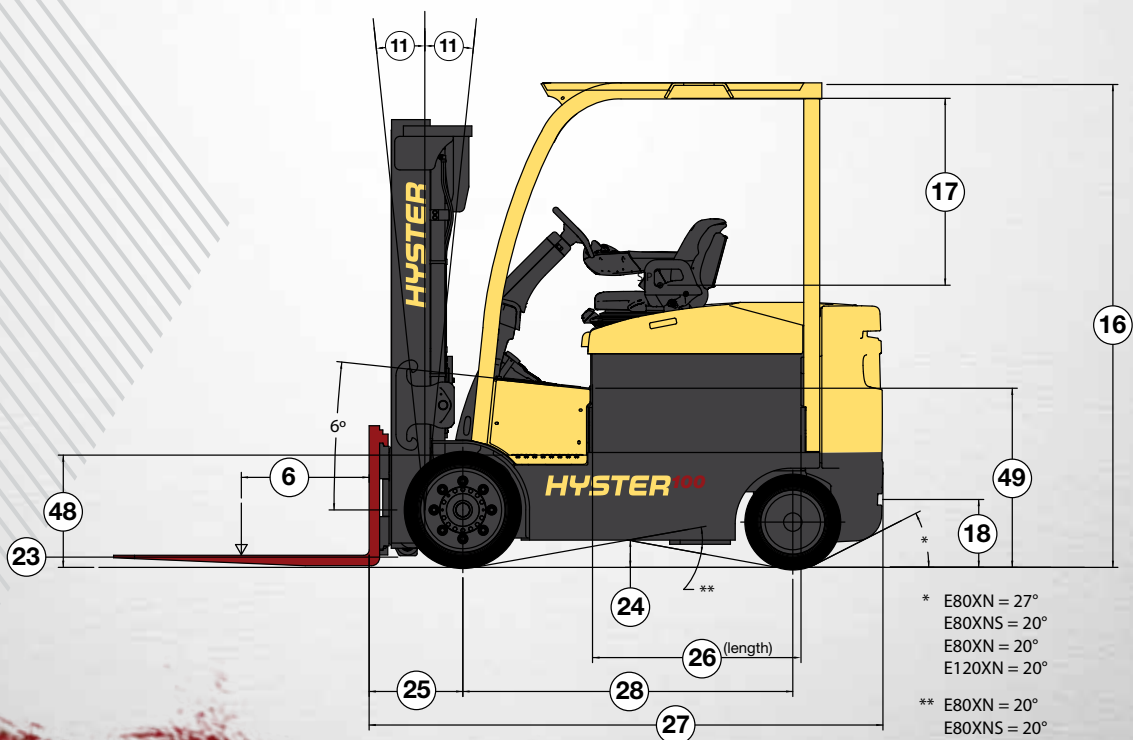
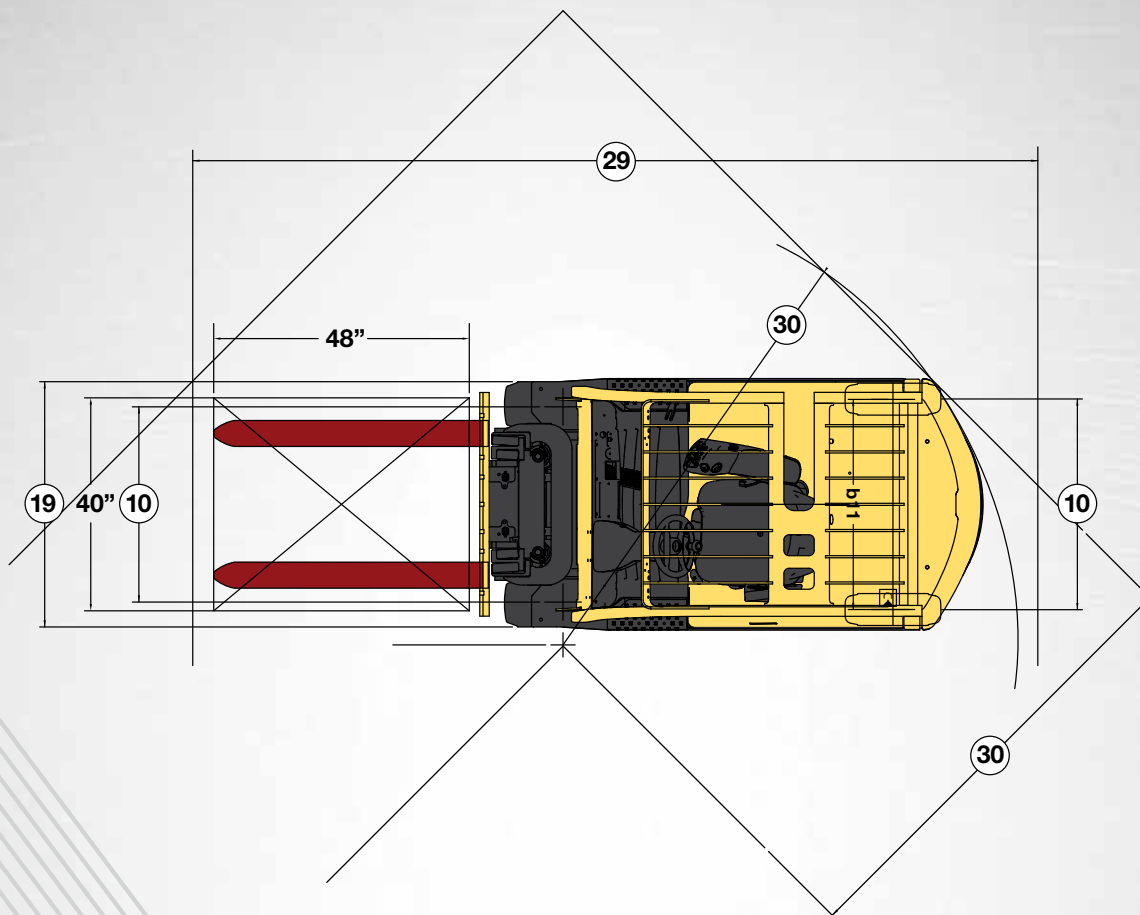


E80-120XN SERIES



TECHNICAL GUIDE
Counterbalanced Electric, Cushion Tire

E80-120XN DIMENSIONS



* E80XN = 27°
 E80XNS = 20°
 E80XN = 20°
 E120XN = 20°

** E80XN = 20°
 E80XNS = 20°
 E80XN = 18.5°
 E120XN = 18.5°

Circled dimensions correspond to the line numbers on the tabulated chart inside the Technical Guide. Dimensions are in inches (millimeters).

E80XN SPECIFICATIONS

GENERAL						
1	Manufacturer		Hyster			
2	Model Designation		E80XN			
3	Power		Electric			
4	Operation		Sit			
5	Rated Capacity		lb. (kg)	8000 (3629)		
6	Load Center		in. (mm)	24 (610)		
7	Tire Type - Cushion, Solid, Pneumatic, etc.		Drive / Steer	Cushion / Cushion		
8	Tire Size		Drive / Steer	in. 22 x 9 x 16 / 18 x 6 x 12.1		
9	Wheels - Number		X=Driven	2X / 2		
10	Tread		Center of Tires	Narr Dr / Wide Dr / Steer in. (mm) 37 / 41 / 39.5 (941 / 1041 / 1003)		
11	Mast Tilt		Std Opt	degrees 5F / 5B 8F / 5B		
12	Mast - Lowered Height		Std Mast	in. (mm) 84.1 (2134)		
13	Free Lift - Top of Fork		Std 2 Stg Limited Free Lift Mast	in. (mm) 5 (150)		
14	Lift Height - Top of Fork		Opt 2 Stg Full Free Lift Mast with / without LBR	in. (mm) 35 / 53 (900 / 1352)		
15	Mast - Extended Height		Std 2 Stg Limited Free Lift Mast	in. (mm) 120 (3050)		
16	Overhead Guard Height		Std Mast with / without LBR	in. (mm) 169 / 149 (4284 / 3783)		
17	SIP to Bottom Std OHG		Std / Opt / Opt Flat Plate	in. (mm) 94 / 91 / 87.1 (2388 / 2311 / 2212)		
18	Tow Pin Height		Seat Depressed	Std / Susp / Swivel in. (mm) 38.7 / 38.9 / 38.9 (984 / 989 / 989)		
19	Overall Width		Vertical Center of Pin	in. (mm) 12.7 (324)		
20	Forks		Standard Tread / Wide Tread	in. (mm) 47.2 / 50 (1200 / 1270)		
21	Standard Carriage Width		Thickness x Width x Length	in. (mm) 2 x 4.9 x 42 (50 x 125 x 1067)		
22	Floor to Top of Battery Rollers		Class III	in. (mm) 42 (1067)		
23	Ground Clearance		Lowest Point	in. (mm) 20 (509)		
24	Ground Clearance		NL / RL	in. (mm) 3.8 / 3.5 (96 / 90)		
25	Load Distance		Center of Truck	in. (mm) 5.3 / 5.1 (134 / 130)		
26	Battery Compartment		Center of Wheel to Face of Forks	in. (mm) 17.6 (447)		
27	Length to Face of Forks		Without / With Battery Rollers	in. (mm) 24.4 / 24 (620 / 609)		
28	Wheelbase		Width	in. (mm) 45.4 (1152)		
29	Right Angle Stack		Nominal	SIZE 39		
30	Equal Aisle		Actual	in. (mm) 39.2 (996)		
31	Outside Turning Radius		Chassis Length	in. (mm) 96.5 (2451)		
32	Truck Weight			in. (mm) 62 (1574)		
33	Axle Loading - Drive			in. (mm) 150.8 (3831)		
34	Axle Loading - Steer			in. (mm) 79.4 (2017)		
				in. (mm) 85.2 (2165)		
				in. (mm) 11070 (5021)		
				lb. (kg) 6728 / 20098 (3052 / 9116)		
				lb. (kg) 9141 / 3771 (4146 / 1710)		
				Standard Performance		
			VOLTS	36	48	80
36	Travel Speed		Extended Shift OFF	mph (km/h) 11.4 / 9.7 (18.3 / 15.6)		
37	Lift Speed		Extended Shift ON	mph (km/h) 12.7 / 12.2 (20.4 / 19.6)		
				12.5 / 10.8 (20.1 / 17.4)		
				12.5 / 10.8 (20.1 / 17.4)		
				ft/min (m/sec) 94 / 58 (0.48 / 0.296)		
				118 / 73 (0.6 / 0.37)		
				118 / 73 (0.6 / 0.37)		
				ft/min (m/sec) 85 / 53 (0.4336 / 0.267)		
				107 / 66 (0.542 / 0.334)		
				107 / 66 (0.542 / 0.334)		
				ft/min (m/sec) 88 / 54 (0.448 / 0.276)		
				110 / 68 (0.56 / 0.345)		
				110 / 68 (0.56 / 0.345)		
38	Lower Speed		Std 2 Stg LFL Mast	ft/min (m/sec) 94 / 104 (0.48 / 0.53)		
				75 / 91 (0.38 / 0.46)		
				77 / 98 (0.39 / 0.5)		
39	Gradability		Opt 2 Stg FFL Mast	%		
				23 / 14.1		
				29.3 / 17.8		
				30.1 / 18.3		
				%		
				8.4 / 5.4		
				10.6 / 6.8		
				10.9 / 7		
40	Drawbar Pull		Opt 3 Stg FFL Mast	lbf		
				3327 / 3193		
				4023 / 3864		
				4104 / 3941		
				lbf		
				1246 / 1232		
				1511 / 1497		
				1541 / 1526		
41	Brake		Method of Control	Service / Parking		
42	Battery		Method of Operation	Service / Parking		
			Type	Hydraulic / Spring Applied		
				Foot / Automatic		
				Lead Acid		
				Standard Performance		
			VOLTS	36	48	80
43	Traction Motor		60 Minute Rating	hp (kW) 28.8 (21.5)		
44	Pump Motor		15 % Rating	hp (kW) 35.5 (26.5)		
45	Traction Motor		Type / Control Method	AC / Transistor		
46	Pump Motor		Type / Control Method	AC / Transistor		
47	Number of Speeds		Traction / Pump	Infinitely Variable / Infinitely Variable		
48	Step Height			in. (mm) 21.1 (536)		
49	Floor Height		Lowest Point	in. (mm) 33.7 (855)		
50	Attachment Relief Pressure			psi (bar) 2248 (155)		
51	Auxiliary Oil Flow		3rd and 4th Function	gal/min (l/min) 16 (60)		
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 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

GENERAL						
			Hyster			
1	Manufacturer		Hyster			
2	Model Designation		E100XNS			
3	Power		Electric			
4	Operation		Sit			
5	Rated Capacity		lb. (kg)	10000 (4536)		
6	Load Center		in. (mm)	24 (610)		
7	Tire Type - Cushion, Solid, Pneumatic, etc.		Drive / Steer			
			Cushion / Cushion			
8	Tire Size		in.	22 x 12 x 16 / 18 x 7 x 12.1		
9	Wheels - Number	X=Driven	Drive / Steer			
10	Tread	Center of Tires	Narr Dr / Wide Dr / Steer			
11	Mast Tilt		in. (mm)	40 / 43.9 / 38.3 (1015 / 1115 / 972)		
12	Mast - Lowered Height		degrees	5F / 5B 8F / 5B		
13	Mast - Lowered Height		in. (mm)	84.2 (2138)		
13	Free Lift - Top of Fork		Std 2 Stg Limited Free Lift Mast			
			in. (mm)	5 (150)		
14	Lift Height - Top of Fork		Opt 2 Stg Full Free Lift Mast with / without LBR			
			in. (mm)	35 / 48 (897 / 1222)		
15	Mast - Extended Height		in. (mm)	109 (2790)		
16	Overhead Guard Height		in. (mm)	159 / 144 (4031 / 3657)		
17	SIP to Bottom Std OHG	Seat Depressed	Std / Susp / Swivel	in. (mm)		
18	Tow Pin Height	Vertical Center of Pin	in. (mm)			
19	Overall Width	Standard Tread / Wide Tread	in. (mm)			
20	Forks	Thickness x Width x Length	in. (mm)			
21	Standard Carriage Width	Class III	in. (mm)			
22	Floor to Top of Battery Rollers		in. (mm)			
23	Ground Clearance	Lowest Point	NL / RL	in. (mm)		
24	Ground Clearance	Center of Truck	NL / RL	in. (mm)		
25	Load Distance	Center of Wheel to Face of Forks	in. (mm)			
26	Battery Compartment		Without / With Battery Rollers			
	Height		in. (mm)			
	Width		in. (mm)			
	Length		Nominal	SIZE		
			Actual	in. (mm)		
27	Length to Face of Forks	Chassis Length	in. (mm)			
28	Wheelbase		in. (mm)			
29	Right Angle Stack		in. (mm)			
30	Equal Aisle	90° Intersecting Aisle	in. (mm)			
31	Outside Turning Radius		in. (mm)			
32	Truck Weight	Without Battery	NL	lb. (kg)		
33	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb. (kg)		
34	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	lb. (kg)		
Standard Performance						
			VOLTS	36	48	80
36	Travel Speed		Extended Shift OFF	NL / RL	mph (km/h)	
			Extended Shift ON	NL / RL	mph (km/h)	
37	Lift Speed		Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	
38	Lower Speed		Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	
39	Gradability		5 Minute Rating	NL / RL	%	
			60 Minute Rating	NL / RL	%	
40	Drawbar Pull		5 Minute Rating	NL / RL	lbf	
			60 Minute Rating	NL / RL	lbf	
41	Brake		Method of Control	Service / Parking		
			Method of Operation	Service / Parking		
42	Battery		Type	Lead Acid		
Standard Performance						
			VOLTS	36	48	80
43	Traction Motor		60 Minute Rating	hp (kW)	28.8 (21.5)	
44	Pump Motor		15 % Rating	hp (kW)	35.5 (26.5)	
45	Traction Motor		Type / Control Method	AC / Transistor		
46	Pump Motor		Type / Control Method	AC / Transistor		
47	Number of Speeds		Traction / Pump	Infinitely Variable / Infinitely Variable		
48	Step Height			in. (mm)		
49	Floor Height		Lowest Point	in. (mm)		
50	Attachment Relief Pressure			psi (bar)		
51	Auxiliary Oil Flow		3rd and 4th Function	gal/min (l/min)		
52	Sound Level		Measured per ANSI B56.11.5	dB (A)		

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 B56.1-1969, 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.

E100XN SPECIFICATIONS

GENERAL	1	Manufacturer			Hyster			
	2	Model Designation			E100XN			
	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		
		8	Tire Size		Drive / Steer	22 x 12 x 16 / 18 x 7 x 12.1		
		9	Wheels - Number	X=Driven	Drive / Steer	2X / 2		
		10	Tread	Center of Tires	Narr Dr / Wide Dr / Steer	in. (mm)	40 / 43.9 / 38.3 (1015 / 1115 / 972)	
DIMENSIONS	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 Mast	in. (mm)	5 (150)		
				Opt 2 Stg Full Free Lift Mast with / without LBR	in. (mm)	35 / 48 (897 / 1222)		
	14	Lift Height - Top of Fork		Std 2 Stg Limited Free Lift Mast	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)	94 / 91 / 87.1 (2388 / 2311 / 2212)		
	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)		
	20	Forks		Thickness x Width x Length	in. (mm)	2 x 5.9 x 42 (50 x 150 x 1067)		
		Standard Carriage Width		Class III	in. (mm)	42 (1067)		
	22	Floor to Top of Battery Rollers			in. (mm)	20 (509)		
	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 Forks	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			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)			
32	Truck Weight	Without Battery	NL	lb. (kg)	12300 (5579)			
33	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb. (kg)	7708 / 23813 (3496 / 10801)			
34	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	lb. (kg)	10139 / 4035 (4599 / 1830)			
PERFORMANCE					Standard Performance			
					VOLTS			
					36			
					48			
					80			
	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)
				Extended Shift ON	NL / RL	mph (km/h)	9.1 / 7.7 (14.6 / 12.4)	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)
				Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	67 / 43 (0.34 / 0.219)	84 / 54 (0.425 / 0.274)
				Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	68 / 44 (0.346 / 0.223)	85 / 55 (0.433 / 0.279)
	38	Lower Speed		Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	73 / 89 (0.37 / 0.45)	89 / 57 (0.45 / 0.29)
				Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	57 / 81 (0.29 / 0.41)	
		Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	63 / 87 (0.32 / 0.44)			
39	Gradability		5 Minute Rating	NL / RL	%	19.9 / 11.9	25.2 / 15	
			60 Minute Rating	NL / RL	%	7.3 / 4.5	9.4 / 5.9	
40	Drawbar Pull		5 Minute Rating	NL / RL	lbf	3322 / 3185	3970 / 3809	
			60 Minute Rating	NL / RL	lbf	1241 / 1224	1488 / 1470	
41	Brake		Method of Control	Service / Parking	Hydraulic / Spring Applied			
			Method of Operation	Service / Parking	Foot / Automatic			
42	Battery		Type		Lead Acid			
					Standard Performance			
ELECTRIC					VOLTS			
					36			
					48			
					80			
	43	Traction Motor		60 Minute Rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)
		Pump Motor		15 % Rating	hp (kW)	35.5 (26.5)	48.3 (36)	48.3 (36)
	45	Traction Motor		Type / Control Method	AC / Transistor			
	46	Pump Motor		Type / Control Method	AC / Transistor			
	47	Number of Speeds		Traction / Pump	Infinitely Variable / Infinitely Variable			
	48	Step Height			in. (mm)	21.1 (536)		
49	Floor Height		Lowest Point	in. (mm)	33.7 (855)			
50	Attachment Relief Pressure			psi (bar)	2248 (155)			
51	Auxiliary Oil Flow	3rd and 4th Function		gal/min (l/min)	16 (60)			
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 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.

E120XN SPECIFICATIONS

GENERAL				Hyster		
	1	Manufacturer			Hyster	
2	Model Designation			E120XN		
3	Power			Electric		
4	Operation			Sit		
5	Rated Capacity			12000 (5443)		
6	Load Center			24 (610)		
TIRES/WHEELS	7	Tire Type - Cushion, Solid, Pneumatic, etc.		Drive / Steer		
	8	Tire Size		Cushion / Cushion		
9	Wheels - Number	X=Driven	Drive / Steer	22 x 12 x 16 / 18 x 7 x 12.1		
10	Tread	Center of Tires	Narr Dr / Wide Dr / Steer	2X / 2		
11	Mast Tilt		Std Opt	40 / 43.9 / 38.3 (1015 / 1115 / 972)		
12	Mast - Lowered Height		Std Mast	degrees		
DIMENSIONS	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast	5F / 5B 8F / 5B		
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast	in. (mm)		
15	Mast - Extended Height		Opt 2 Stg Full Free Lift Mast with / without LBR	84.2 (2138)		
16	Overhead Guard Height		Std 2 Stg Limited Free Lift Mast	5 (150)		
17	SIP to Bottom Std OHG	Seat Depressed	Std / Susp / Swivel	35 / 48 (897 / 1222)		
18	Tow Pin Height	Vertical Center of Pin		109 (2790)		
19	Overall Width	Standard Tread / Wide Tread		in. (mm)		
20	Forks	Thickness x Width x Length		159 / 144 (4031 / 3657)		
21	Standard Carriage Width		Class III	in. (mm)		
22	Floor to Top of Battery Rollers			94 / 91 / 87.1 (2388 / 2311 / 2212)		
23	Ground Clearance	Lowest Point	NL / RL	38.7 / 38.9 / 38.9 (984 / 989 / 989)		
24	Ground Clearance	Center of Truck	NL / RL	in. (mm)		
25	Load Distance	Center of Wheel to Face of Forks		12.7 (324)		
WEIGHT	26	Battery Compartment	Height	Without / With Battery Rollers	in. (mm)	
	27		Width		24.4 / 24 (620 / 609)	
28			Nominal	SIZE		
29			Actual	45"		
30	Length to Face of Forks		Chassis Length	in. (mm)		
31	Wheelbase			107.2 (2724)		
32	Right Angle Stack			68.5 (1739)		
33	Equal Aisle	90° Intersecting Aisle		161.5 (4101)		
34	Outside Turning Radius			85.7 (2178)		
PERFORMANCE	35	Truck Weight	Without Battery	NL	in. (mm)	
	36	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	95.3 (2420)	
37	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	13860 (6287)		
38				7556 / 26951 (3427 / 12225)		
39				11848 / 4453 (5374 / 2020)		
ELECTRIC	40			Standard Performance		
	41			VOLTS		
42				36		
43				48		
44				80		
45	Travel Speed	Extended Shift OFF	NL / RL	mph (km/h)		
46		Extended Shift ON	NL / RL	9.4 / 8 (15.1 / 12.9)		
47	Lift Speed	Std 2 Stg LFL Mast	NL / RL	10.4 / 10 (16.7 / 16.1)		
48		Opt 2 Stg FFL Mast	NL / RL	10.4 / 9 (16.7 / 14.5)		
49		Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)		
50	Lower Speed	Std 2 Stg LFL Mast	NL / RL	71 / 43 (0.36 / 0.216)		
51		Opt 2 Stg FFL Mast	NL / RL	89 / 53 (0.45 / 0.27)		
52		Opt 3 Stg FFL Mast	NL / RL	89 / 53 (0.45 / 0.27)		
53	Gradability	5 Minute Rating	NL / RL	67 / 40 (0.34 / 0.204)		
54		60 Minute Rating	NL / RL	84 / 50 (0.425 / 0.255)		
55	Drawbar Pull	5 Minute Rating	NL / RL	84 / 50 (0.425 / 0.255)		
56		60 Minute Rating	NL / RL	ft/min (m/sec)		
57				68 / 41 (0.346 / 0.208)		
58				85 / 51 (0.433 / 0.26)		
59				73 / 89 (0.37 / 0.45)		
60				57 / 81 (0.29 / 0.41)		
61				63 / 87 (0.32 / 0.44)		
62				%		
63				18.5 / 10.4		
64				22.8 / 13.1		
65				23.3 / 13.4		
66				%		
67				6.6 / 4		
68				8.3 / 5.1		
69				8.5 / 5.1		
70				lbf		
71				3320 / 3179		
72				3918 / 3755		
73				3996 / 3830		
74				lbf		
75				1239 / 1218		
76				1466 / 1445		
77				1495 / 1474		
OTHER	41	Brake	Method of Control	Service / Parking	Hydraulic / Spring Applied	
	42	Battery	Method of Operation	Service / Parking	Foot / Automatic	
43				Lead Acid		
44				Standard Performance		
45				VOLTS		
46				36		
47				48		
48				80		
49	Traction Motor	60 Minute Rating		hp (kW)		
50	Pump Motor	15 % Rating		28.8 (21.5)		
51	Traction Motor	Type / Control Method		28.8 (21.5)		
52	Pump Motor	Type / Control Method		48.3 (36)		
53	Number of Speeds	Traction / Pump		48.3 (36)		
54	Step Height			AC / Transistor		
55	Floor Height	Lowest Point		AC / Transistor		
56	Attachment Relief Pressure			Infinitely Variable / Infinitely Variable		
57	Auxiliary Oil Flow	3rd and 4th Function		in. (mm)		
58	Sound Level	Measured per ANSI B56.11.5		21.1 (536)		
				33.7 (855)		
				2248 (155)		
				gal/min (l/min)		
				16 (60)		
				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 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.

MAST DIMENSIONS AND BATTERY SPECIFICATIONS

E80XN 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)
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)
2-STAGE LIMITED FREE-LIFT (LFL) MAST					
109 (2790)	85 (2138)	159 (4031)	144 (3657)	5 (150)	5 (150)
133 (3390)	96 (2438)	183 (4631)	168 (4257)	5 (150)	5 (150)
157 (3990)	108 (2738)	206 (5231)	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			Volts	No. of Cells	Plates per Cell	Max Capacity 6 Hour Rate	Weight	
	Width	Length	Height	"X"	"Y"	"Z"					Min	Max
	in (mm)			in (mm)							amp hr (kwh)	
E80XN E100XNS 39" Compartment	45.4 (1152)	39.2 (996)	24.5 (622)	45 (1143)	39 (990)	23.9 (608)	36	18	33	2300 (80.3)	3400 (1542)	4800 (2177)
							48	24	29	1800 (83.8)		
							80	40	15	1000 (77.6)		
E100XN E120XN 45" Compartment	45.4 (1152)	45.7 (1161)	24.5 (622)	45 (1143)	45.3 (1150)	23.9 (608)	36	36	19	2300 (160.6)	4000 (1814)	5500 (2517)
							48	24	33	1800 (83.8)		
							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 - Black SBE®320 (Anderson Power Products® P/N E6359G3 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 Dual Positive / Negative Cabling terminating in (2) Female EBC-320 DIN Connectors

(Anderson Power Products® 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) Hook-type 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™ 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™
- 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 Charging Configuration
- 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)
- Red (HI-VIS) ELR Non-Cinch Seat Belt
- 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
- Various Light Packages:
 - Halogen Glass Lens Work Lights
 - a. Full Light Package – 2) Front & 1) Rear Work Lights with 2) LED Brake / Tail / Back-Up
 - b. 2) Front & 1) Rear Work Lights
 - LED Plastic Lens Work Lights
 - a. Full LED Light Package – 2) Front & 1) Rear LED Wk Lights with 2) LED Brake / Tail / Back-Up
 - b. 2) Front & 1) Rear LED Work Lights
 - Brake and Tail Lights
 - a. 2) LED Brake / Tail / Back-up
 - LED Dome / Reading Light
- 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



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