



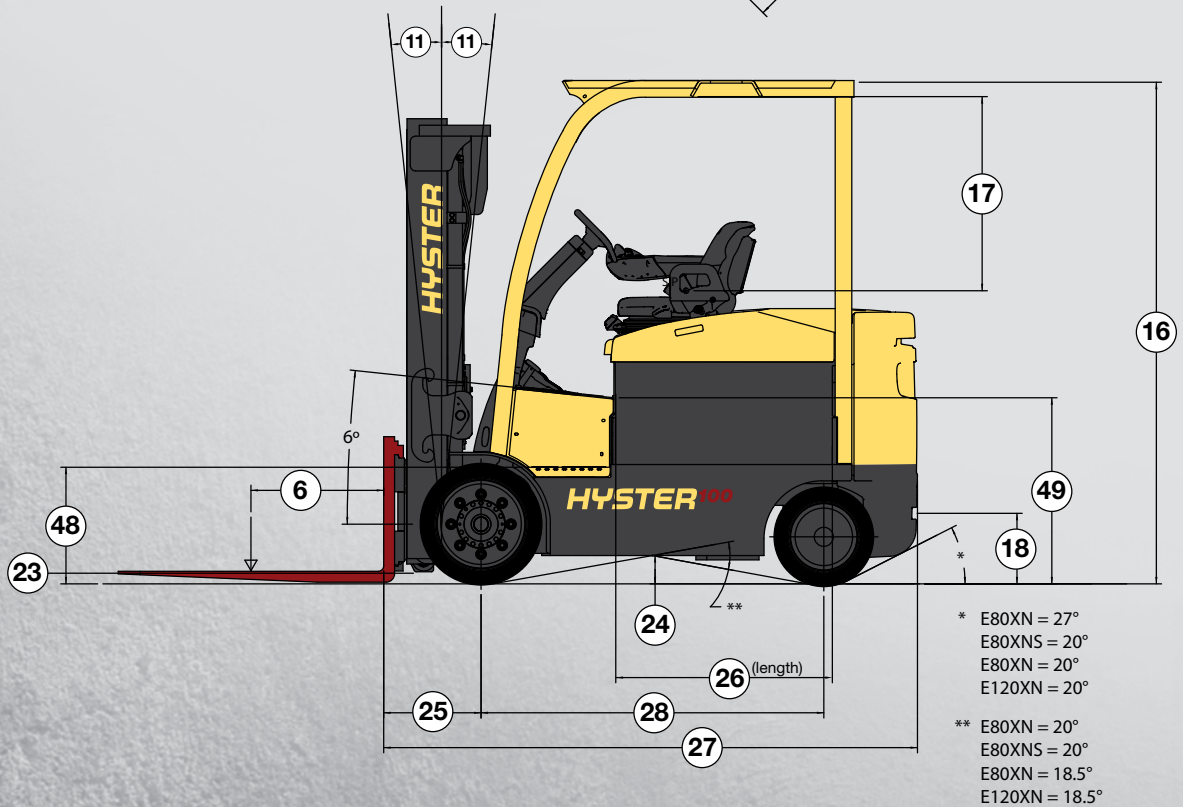
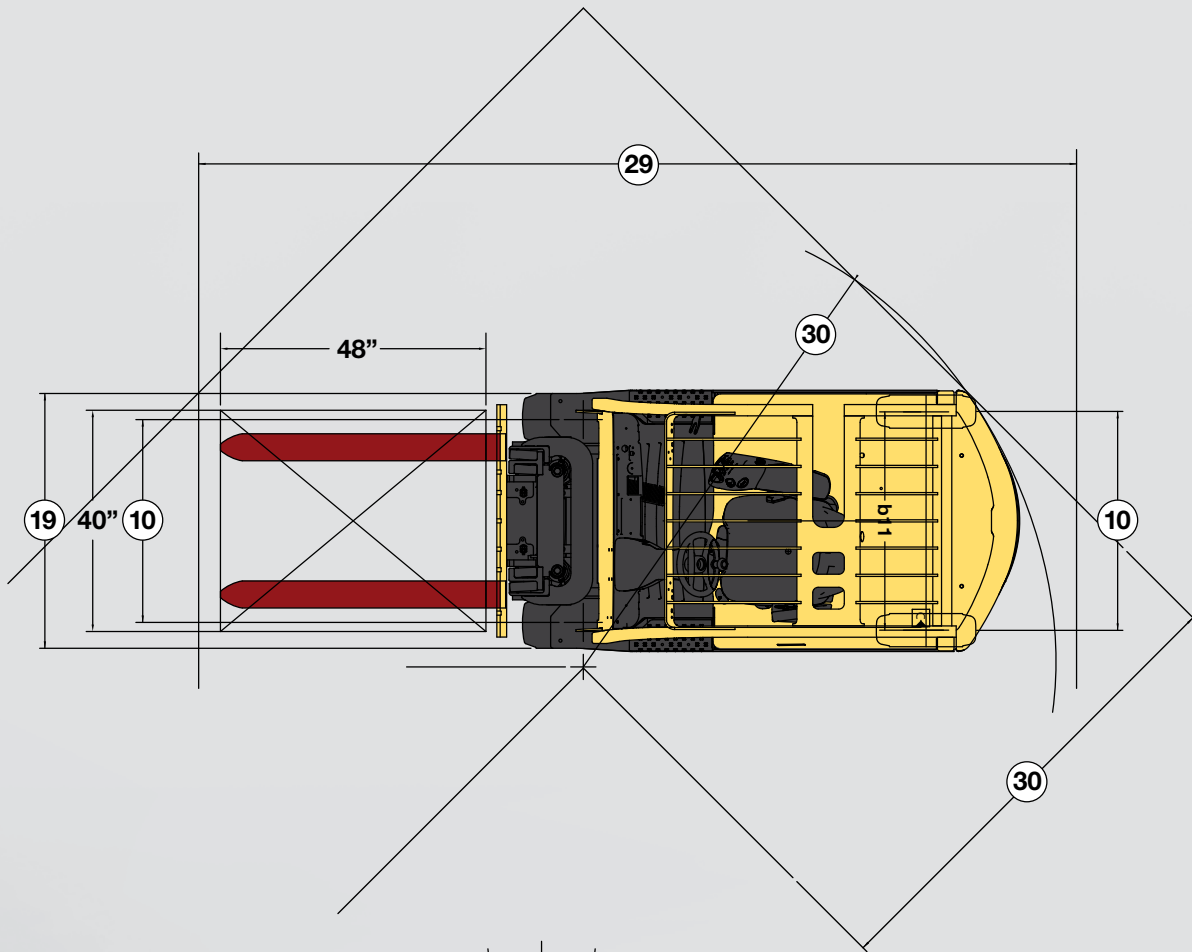
**STRONG PARTNERS.
TOUGH TRUCKS.™**



E80-120XN SERIES TECHNICAL GUIDE

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> E80-120XN DIMENSIONS



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)			
TIRES/ WHEELS	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	Drive/Steer	2X/2			
	10	Tread	Center of Tires	Narr Dr/Wide Dr/Steer	in (mm) 37/41/39.5 (941/1041/1003)			
DIMENSIONS	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)			
			Opt 2 Stg Full Free Lift Mast with/without LBR		in (mm) 35/53 (900/1352)			
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm) 120 (3050)			
	15	Mast - Extended Height	Std Mast with/without LBR		in (mm) 169/149 (4284/3783)			
	16	Overhead Guard Height	Std/Opt/Opt Flat Plate		in (mm) 94/91/87.1 (2388/2311/2212)			
	17	SIP to Bottom Std OHG	Susp at mid-point		Std/Susp/Swivel	in (mm) 37.3/36.3/36.2 (949/924/922)		
	18	Tow Pin Height	Vertical Center of Pin		in (mm) 12.7 (324)			
	19	Overall Width	Standard Tread/Wide Tread		in (mm) 47.2/50 (1200/1270)			
	20	Forks	Thickness x Width x Length		in (mm) 2 x 4.9 x 42 (50 x 125 x 1067)			
	21	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) 3.8/3.5 (96/90)			
	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) 17.6 (447)			
	26	Battery Compartment	Height	Without/With Battery Rollers	in (mm) 24.5/24 (622/609)			
			Width		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) 96.5 (2451)			
28	Wheelbase			in (mm) 62 (1574)				
29	Right Angle Stack			in (mm) 150.8 (3831)				
30	Equal Aisle	90° Intersecting Aisle		in (mm) 79.4 (2017)				
31	Outside Turning Radius			in (mm) 85.2 (2165)				
WEIGHT	32	Truck Weight	Without Battery	NL	lb (kg) 11070 (5021)			
	33	Axle Loading - Drive	Static with Max. Wt. Battery	NL/RL	lb (kg) 6728/20098 (3052/9116)			
	34	Axle Loading - Steer	Static with Max. Wt. Battery	NL/RL	lb (kg) 9141/3771 (4146/1710)			
PERFORMANCE					Standard Performance			
	36	Travel Speed	Extended Shift OFF	NL/RL	VOLTS 36		80	
				mph (km/h) 11.2/9.9 (18/15.9)	11.7/11.4 (18.8/18.3)		11.7/11.2 (18.8/18)	
			Extended Shift ON	NL/RL	VOLTS 48		80	
				mph (km/h) 9/8.1 (14.5/13)	10.9/10.4 (17.5/16.7)		10.9/10.8 (17.5/17.4)	
	37	Lift Speed	Std 2 Stg LFL Mast	NL/RL	VOLTS 36		80	
				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	VOLTS 48		80
				ft/min (m/sec) 85/53 (0.4336/0.267)	107/66 (0.542/0.334)		107/66 (0.542/0.334)	
	38	Lower Speed	Std 2 Stg LFL Mast	NL/RL	VOLTS 36		80	
				ft/min (m/sec) 88/54 (0.448/0.276)	110/68 (0.56/0.345)		110/68 (0.56/0.345)	
				Opt 2 Stg FFL Mast	NL/RL	VOLTS 48		80
ft/min (m/sec) 75/91 (0.38/0.46)				77/98 (0.39/0.5)				
39	Gradeability	5 Minute Rating	NL/RL	VOLTS 36		80		
			% 23/14.1	29.3/17.8		30.1/18.3		
		60 Minute Rating	NL/RL	VOLTS 48		80		
			% 8.4/5.4	10.6/6.8		10.9/7		
40	Drawbar Pull	5 Minute Rating	NL/RL	VOLTS 36		80		
			lbf 3327/3193	4023/3864		4104/3941		
		60 Minute Rating	NL/RL	VOLTS 48		80		
			lbf 1246/1232	1511/1497		1541/1526		
41	Brake	Method of Control	Service/Parking	Hydraulic/Spring Applied				
		Method of Operation	Service/Parking	Foot/Automatic				
ELECTRIC	42	Battery		Type	Lead Acid			
					Standard Performance			
	43	Traction Motor	60 Minute Rating		VOLTS 36		80	
				hp (kW) 28.8 (21.5)	28.8 (21.5)		28.2 (21)	
	44	Pump Motor	15 % Rating		VOLTS 48		80	
					35.5 (26.5)		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				
OTHER	48	Step Height			in (mm) 21.1 (536)			
	49	Floor Height		Lowest Point	in (mm) 33.7 (855)			
	50	Attachment Relief Pressure			psi (bar) 2250 (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: Hyster® lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the 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 DIMENSIONS

GENERAL	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)		
TIRES/ WHEELS	7	Tire Type - Cushion, Solid, Pneumatic, etc.		Drive/Steer			
	8	Tire Size		Cushion/Cushion			
	9	Wheels - Number	X=Driven	22 x 12 x 16/18 x 7 x 12.1			
	10	Tread	Center of Tires	Drive/Steer	2X/2		
DIMENSIONS	11	Mast Tilt		Narr Dr/Wide Dr/Steer	in (mm)		
	12	Mast - Lowered Height		Std Opt	degrees		
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)		
			Opt 2 Stg Full Free Lift Mast with/without LBR		in (mm)		
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)		
	15	Mast - Extended Height	Std Mast with/without LBR		in (mm)		
	16	Overhead Guard Height	Std/Opt/Opt Flat Plate		in (mm)		
	17	SIP to Bottom Std OHG	Susp at mid-point	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	Height	Without/With Battery Rollers	in (mm)		
			Width		in (mm)		
				Nominal	SIZE		
			Length	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)		
	WEIGHT	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		
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	Gradeability	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	Hydraulic/Spring Applied			
		Method of Operation	Service/Parking	Foot/Automatic			
ELECTRIC	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)	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			
OTHER	48	Step Height		in (mm)	21.1 (536)		
	49	Floor Height		Lowest Point	in (mm)		
	50	Attachment Relief Pressure		psi (bar)	2250 (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)		

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: Hyster® lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the 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			
DIMENSIONS	10	Tread	Center of Tires	Narr Dr/Wide Dr/Steer	in (mm)	40/43.9/38.3 (1015/1115/972)		
	11	Mast Tilt		Std Opt	degrees	5F/5B 8F/5B		
	12	Mast - Lowered Height		Std Mast	in (mm)	85 (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	Susp at mid-point	Std/Susp/Swivel	in (mm)	37.3/36.3/36.2 (949/924/922)		
	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)		
	21	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)	24.5/24 (622/609)		
			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)			
WEIGHT	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)		
					Standard Performance			
				VOLTS	36	48	80	
PERFORMANCE	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)	8.8/7.6 (14.2/12.3)	10.9/9.9 (17.5/15.9)	10.9/9.9 (17.5/15.9)
	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)
			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)
			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)
	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)		
			Opt 3 Stg FFL Mast	NL/RL	ft/min (m/sec)	63/87 (0.32/0.44)		
	39	Gradeability	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			
ELECTRIC	42	Battery		Type	Lead Acid			
					Standard Performance			
					VOLTS	36	48	80
	43	Traction Motor	60 Minute Rating		hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)
	44	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				
OTHER	48	Step Height		in (mm)	21.1 (536)			
	49	Floor Height		Lowest Point	in (mm)	33.7 (855)		
	50	Attachment Relief Pressure		psi (bar)	2250 (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.
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CERTIFICATION: Hyster® lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the 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 DIMENSIONS

GENERAL	1	Manufacturer			Hyster			
	2	Model Designation			E120XN			
	3	Power			Electric			
	4	Operation			Sit			
	5	Rated Capacity		lb (kg)	12000 (5443)			
	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	in 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)	85 (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	Susp at mid-point	Std/Susp/Swivel	in (mm)	37.3/36.3/36.2 (949/924/922)		
	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)	2.4 x 5.9 x 42 (60 x 150 x 1067)		
	21	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)		
			Center of Truck	NL/RL	in (mm)	5.3/5.1 (134/130)		
	24	Ground Clearance	Center of Wheel to Face of Forks		in (mm)	18.2 (462)		
	25	Load Distance	Height		Without/With Battery Rollers	in (mm)	24.5/24 (622/609)	
			Width			in (mm)	45.4 (1152)	
	26	Battery Compartment	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)	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			in (mm)	95.3 (2420)			
WEIGHT	32	Truck Weight	Without Battery	NL	lb (kg)	13810 (6264)		
	33	Axle Loading - Drive	Static with Max. Wt. Battery	NL/RL	lb (kg)	7466/26860 (3387/12183)		
	34	Axle Loading - Steer	Static with Max. Wt. Battery	NL/RL	lb (kg)	11886/4491 (5391/2037)		
PERFORMANCE					Standard Performance			
					VOLTS			
					36 48 80			
	36	Travel Speed	Extended Shift OFF	NL/RL	mph (km/h)	9.4/8 (15.1/12.9)	10.4/10.4 (16.7/16.7)	10.4/10.4 (16.7/16.7)
			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	ft/min (m/sec)	71/43 (0.36/0.216)	89/53 (0.45/0.27)	89/53 (0.45/0.27)
			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)
			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)		
			Opt 3 Stg FFL Mast	NL/RL	ft/min (m/sec)	63/87 (0.32/0.44)		
	39	Gradeability	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			
ELECTRIC	42	Battery		Type	Lead Acid			
					Standard Performance			
					VOLTS			
					36 48 80			
	43	Traction Motor		60 Minute Rating	hp (kW)	28.8 (21.5)	28.8 (21.5)	28.2 (21)
	44	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			
OTHER	48	Step Height		in (mm)	21.1 (536)			
	49	Floor Height		Lowest Point	in (mm)	33.7 (855)		
	50	Attachment Relief Pressure		psi (bar)	2250 (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: Hyster® lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the 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)							lb (kg)	
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" (E80XN-100XNS)
 - 45.5" (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 (HSS®)
- Power assist braking
- 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
- Adjustable tilt steering column
- 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
- 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, high-visibility Emergency Locking Retractor (ELR) non-cinch seat belt with or without start interlock
- Low mount display



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