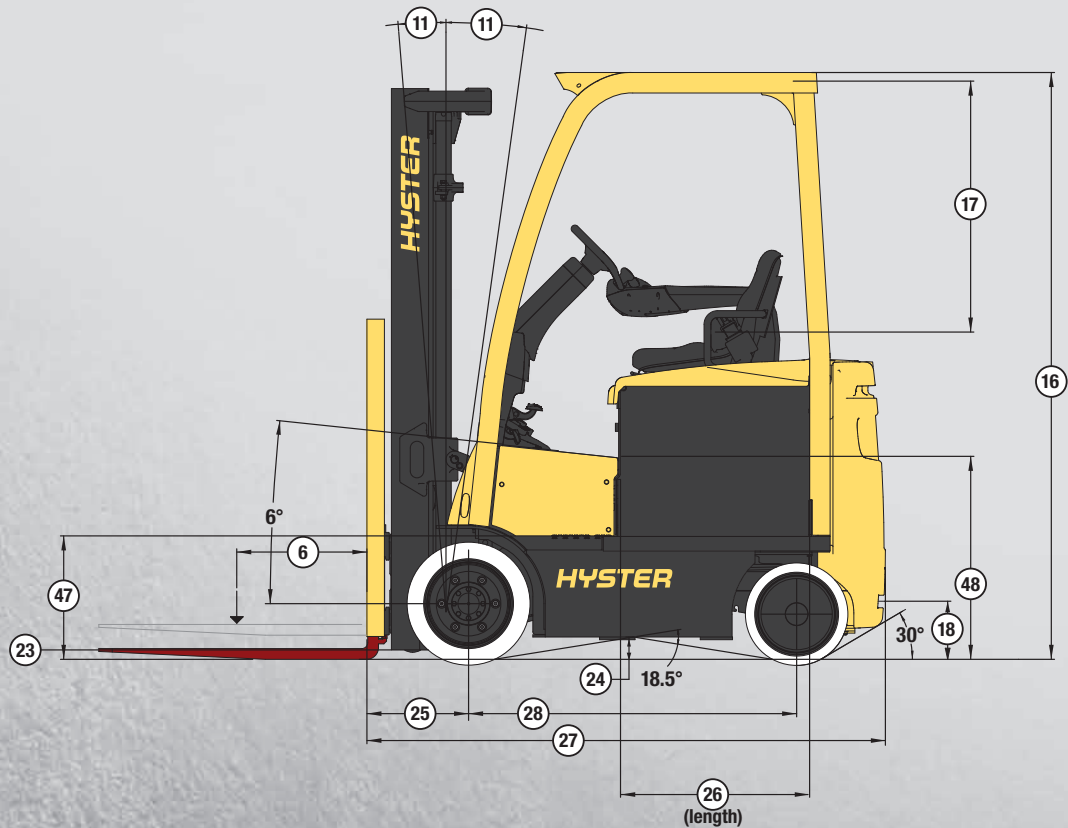
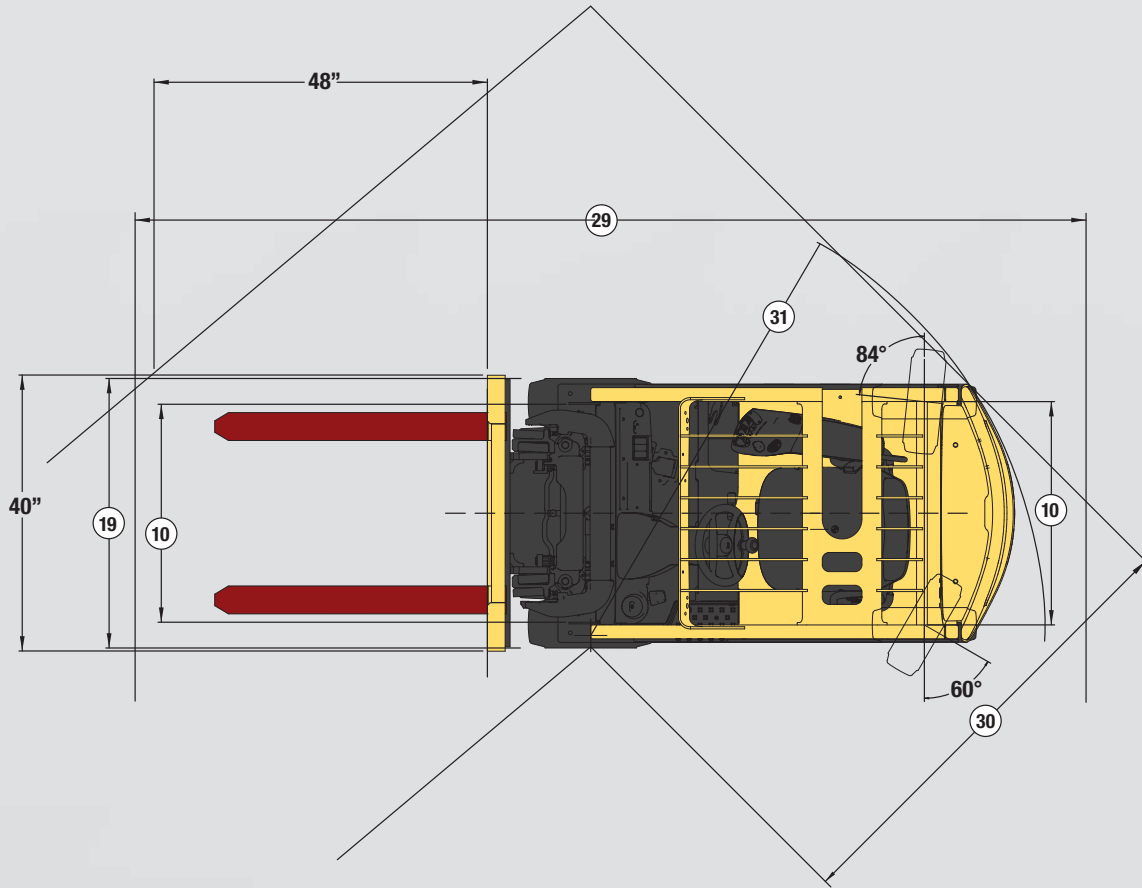




## E30-40XN SERIES TECHNICAL GUIDE

[WWW.HYSTER.COM](http://WWW.HYSTER.COM)

## > E30-40XN DIMENSIONS



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

GENERAL	1	Manufacturer			Hyster		
	2	Model Designation			E30XN		
	3	Power			Electric		
	4	Operation			Sit		
	5	Rated Capacity		lb (kg)	3000 (1361)		
	6	Load Center		in (mm)	24 (610)		
TIRES	7	Tire Type - Cushion, Solid, Pneumatic, etc.		Drive / Steer	Cushion / Cushion		
	8	Tire Size	Std	Drive / Steer	in	18 x 6 x 12.1 / 14 x 4.5 x 8	
	9		Opt	Drive / Steer	in	18 x 7 x 12.1 / 15 x 5 x 11.25	
	10	Wheels - Number	X=Driven	Drive / Steer		2X / 2	
DIMENSIONS	10	Tread - Drive	Center of Tires	Nar / Int / Wide 6" / Wide 7"	in (mm)	31 / 31.8 / 37 / 35.7 (788 / 808 / 939 / 906)	
		Tread - Steer	Center of Tires		in (mm)	32.4 (822)	
	11	Mast Tilt	Std Opt		degrees	5F / 5B 10F / 5B	
	12	Mast - Lowered Height	Std Mast		in (mm)	82 (2080)	
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)	5 (140)	
			Opt 2 Stg Full Free Lift Mast with / without LBR		in (mm)	31 / 57 (807 / 1456)	
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)	127 (3232)	
	15	Mast - Extended Height	Std Mast with / without LBR		in (mm)	176 / 150 (4455 / 3806)	
	16	Overhead Guard Height	Std & DIR / Opt Grid / Flat Plate		in (mm)	88.5 / 86.5 / 83.5 (2248 / 2197 / 2121)	
	17	SIP to Underside OHG	Susp at Mid-Point	Std / Full Susp	in (mm)	38.7 / 37.3 (984 / 949)	
	18	Tow Pin Height	Vertical Center of Pin		in (mm)	9.1 (232)	
	19	Overall Width	Nar / Int / Wide 6" / Wide 7" Tread		in (mm)	37.2 / 38.8 / 43 / 42.7 (945 / 986 / 1091 / 1084)	
	20	Forks	Thickness x Width x Length		in (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)	
	21	Standard Carriage Width	Class II		in (mm)	35.7 (907)	
	22	Floor to Top of Battery Rollers			in (mm)	17.1 (435)	
	23	Ground Clearance	Lowest Point	NL / RL	in (mm)	3.5 / 3.3 (90 / 84)	
	24	Ground Clearance	Center of Truck	NL / RL	in (mm)	3.9 / 3.6 (98 / 92)	
	25	Load Distance	Center of Wheel to Face of Forks		in (mm)	14.2 (360)	
	26	Battery Compartment	Height	Std / Battery Rollers	in (mm)	24 / 23.5 (610 / 597)	
			Width	UL Classification "E"/"EE"	in (mm)	35.8 / 35.6 (909 / 904)	
			Length		in (mm)	27.6 (700)	
	27	Length to Face of Forks	Chassis Length		in (mm)	75.1 (1908)	
	28	Wheelbase			in (mm)	48 (1220)	
	29	Right Angle Stack			in (mm)	127 (3226)	
	30	Equal Aisle	90° Intersecting Aisle		in (mm)	68.7 (1745)	
	31	Outside Turning Radius			in (mm)	64.7 (1644)	
	WT.	32	Truck Weight	Without Battery	NL	lb (kg)	5130 (2327)
		33	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb (kg)	3460 / 8842 (1569 / 4011)
		34	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	lb (kg)	4163 / 1780 (1888 / 807)
						VOLTS	36 48
	PERFORMANCE	35	Travel Speed	Extended Shift OFF	NL / RL	mph (km/h)	11.4 / 11.4 (18.4 / 18.4) 11.4 / 11.4 (18.4 / 18.4)
			Extended Shift ON	NL / RL	mph (km/h)	11.4 / 11.4 (18.4 / 18.4) 11.4 / 11.4 (18.4 / 18.4)	
36		Lift Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	126 / 83 (0.64 / 0.424) 142 / 104 (0.72 / 0.53)	
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	113 / 75 (0.573 / 0.38) 127 / 94 (0.645 / 0.475)	
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	117 / 77 (0.594 / 0.393) 131 / 97 (0.668 / 0.492)	
37		Lower Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	93 / 100 (0.47 / 0.51)	
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	73 / 91 (0.37 / 0.46)	
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	81 / 94 (0.41 / 0.48)	
38		Gradeability	5 Minute Rating	NL / RL	%	31.1 / 23.7 34 / 24.2	
			60 Minute Rating	NL / RL	%	7 / 5.4 7.4 / 5.8	
39	Drawbar Pull	5 Minute Rating	NL / RL	lbf (N)	2734 / 2856 (12163 / 12705) 2793 / 2914 (12422 / 12964)		
		60 Minute Rating	NL / RL	lbf (N)	630 / 694 (2804 / 3087) 643 / 709 (2862 / 3156)		
40	Brake	Method of Control	Service / Parking		Hydraulic / Mechanical		
		Method of Operation	Service / Parking		Foot / Foot (Optional Park Brake - Automatic)		
ELECTRIC	41	Battery	Type		Lead acid or lithium-ion		
	42	Traction Motor	60 Minute Rating	hp (kW)	24.7 (18.4)	24.7 (18.4)	
	43	Pump Motor	S3-15%	hp (kW)	21.5 (16)	21.5 (16)	
	44	Traction Motor	Type / Control Method		AC / Transistor		
	45	Pump Motor	Type / Control Method		AC / Transistor		
	46	Number of Speeds	Traction / Pump		Infinitely Variable / Infinitely Variable		
OTHER	47	Step Height		in (mm)	18.7 (475)		
	48	Floor Height	Lowest Point	in (mm)	30.4 (772)		
	49	Attachment Relief Pressure	Mech Levers / Mini-levers	psi (bar)	2596 / 2596 (179 / 179)		
	50	Auxiliary Oil Flow	3rd Function / 4th Function	gal/min (l/min)	10.6 / 10.6 (40 / 40)		
	51	Sound Level	Measured per ANSI B56.11.5	dB (A)	64		

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.

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



# E35XN SPECIFICATIONS

GENERAL	1	Manufacturer			Hyster	
	2	Model Designation			E35XN	
	3	Power			Electric	
	4	Operation			Sit	
	5	Rated Capacity		lb (kg)	3500 (1588)	
	6	Load Center		in (mm)	24 (610)	
TIRES	7	Tire Type - Cushion, Solid, Pneumatic, etc.		Drive / Steer	Cushion / Cushion	
	8	Tire Size	Std	Drive / Steer	in	18 x 6 x 12.1 / 14 x 4.5 x 8
			Opt	Drive / Steer	in	18 x 7 x 12.1 / 15 x 5 x 11.25
	9	Wheels - Number	X=Driven	Drive / Steer	2X / 2	
	10	Tread - Drive	Center of Tires	Nar / Int / Wide 6" / Wide 7"	in (mm)	31 / 31.8 / 37 / 35.7 (788 / 808 / 939 / 906)
		Tread - Steer	Center of Tires		in (mm)	32.4 (822)
DIMENSIONS	11	Mast Tilt	Std Opt		degrees	5F / 5B 10F / 5B
	12	Mast - Lowered Height	Std Mast		in (mm)	82 (2080)
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)	5 (140)
			Opt 2 Stg Full Free Lift Mast with / without LBR		in (mm)	31 / 57 (807 / 1456)
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)	127 (3232)
	15	Mast - Extended Height	Std Mast with / without LBR		in (mm)	176 / 150 (4455 / 3806)
	16	Overhead Guard Height	Std & DIR / Opt Grid / Flat Plate		in (mm)	88.5 / 86.5 / 83.5 (2248 / 2197 / 2121)
	17	SIP to Underside OHG	Susp at Mid-Point	Std / Full Susp	in (mm)	38.7 / 37.3 (984 / 949)
	18	Tow Pin Height	Vertical Center of Pin		in (mm)	9.1 (232)
	19	Overall Width	Nar / Int / Wide 6" / Wide 7" Tread		in (mm)	37.2 / 38.8 / 43 / 42.7 (945 / 986 / 1091 / 1084)
	20	Forks	Thickness x Width x Length		in (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)
	21	Standard Carriage Width	Class II		in (mm)	35.7 (907)
	22	Floor to Top of Battery Rollers			in (mm)	17.1 (435)
	23	Ground Clearance	Lowest Point	NL / RL	in (mm)	3.5 / 3.3 (90 / 84)
	24	Ground Clearance	Center of Truck	NL / RL	in (mm)	3.9 / 3.6 (98 / 92)
	25	Load Distance	Center of Wheel to Face of Forks		in (mm)	14.2 (360)
	26	Battery Compartment	Height	Std / Battery Rollers	in (mm)	24 / 23.5 (610 / 597)
			Width	UL Classification "E"/"EE"	in (mm)	35.8 / 35.6 (909 / 904)
			Length		in (mm)	27.6 (700)
	27	Length to Face of Forks	Chassis Length		in (mm)	75.9 (1929)
	28	Wheelbase			in (mm)	48 (1220)
	29	Right Angle Stack			in (mm)	127.8 (3247)
	30	Equal Aisle	90° Intersecting Aisle		in (mm)	68.8 (1748)
	31	Outside Turning Radius			in (mm)	65.2 (1657)
WT.	32	Truck Weight	Without Battery	NL	lb (kg)	5390 (2445)
	33	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb (kg)	3400 / 9679 (1542 / 4390)
	34	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	lb (kg)	4483 / 1704 (2033 / 773)
					VOLTS	36 48
PERFORMANCE	35	Travel Speed	Extended Shift OFF	NL / RL	mph (km/h)	11.4 / 11.4 (18.4 / 18.4) 11.4 / 11.4 (18.4 / 18.4)
			Extended Shift ON	NL / RL	mph (km/h)	11.4 / 10.7 (18.4 / 17.3) 11.4 / 11.4 (18.4 / 18.4)
	36	Lift Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	126 / 77 (0.64 / 0.392) 142 / 96 (0.72 / 0.49)
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	113 / 69 (0.573 / 0.351) 127 / 86 (0.645 / 0.439)
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	117 / 72 (0.594 / 0.364) 131 / 90 (0.668 / 0.455)
	37	Lower Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	93 / 100 (0.47 / 0.51)
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	73 / 91 (0.37 / 0.46)
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	81 / 94 (0.41 / 0.48)
	38	Gradeability	5 Minute Rating	NL / RL	%	30.8 / 23 33.8 / 23.5
			60 Minute Rating	NL / RL	%	7 / 5.2 7.4 / 5.6
	39	Drawbar Pull	5 Minute Rating	NL / RL	lbf (N)	2681 / 2800 (11924 / 12455) 2738 / 2857 (12178 / 12709)
			60 Minute Rating	NL / RL	lbf (N)	618 / 680 (2748 / 3026) 630 / 694 (2804 / 3088)
40	Brake	Method of Control	Service / Parking	Hydraulic / Mechanical		
		Method of Operation	Service / Parking	Foot / Foot (Optional Park Brake - Automatic)		
ELECTRIC	41	Battery	Type	Lead acid or lithium-ion		
	42	Traction Motor	60 Minute Rating	hp (kW)	24.7 (18.4) 24.7 (18.4)	
	43	Pump Motor	S3-15%	hp (kW)	21.5 (16) 21.5 (16)	
	44	Traction Motor	Type / Control Method	AC / Transistor		
	45	Pump Motor	Type / Control Method	AC / Transistor		
	46	Number of Speeds	Traction / Pump	Infinitely Variable / Infinitely Variable		
OTHER	47	Step Height		in (mm)	18.7 (475)	
	48	Floor Height	Lowest Point	in (mm)	30.4 (772)	
	49	Attachment Relief Pressure	Mech Levers / Mini-levers	psi (bar)	2596 / 2596 (179 / 179)	
	50	Auxiliary Oil Flow	3rd Function / 4th Function	gal/min (l/min)	10.6 / 10.6 (40 / 40)	
	51	Sound Level	Measured per ANSI B56.11.5	dB (A)	64	

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.

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

# E40XN SPECIFICATIONS

GENERAL	1	Manufacturer			Hyster				
	2	Model Designation			E40XN				
	3	Power			Electric				
	4	Operation			Sit				
	5	Rated Capacity		lb (kg)	4000 (1814)				
	6	Load Center		in (mm)	24 (610)				
TIRES	7	Tire Type - Cushion, Solid, Pneumatic, etc.		Drive / Steer	Cushion / Cushion				
	8	Tire Size	Std	Drive / Steer	in	18 x 7 x 12.1 / 15 x 5 x 11.25			
	9		Opt	Drive / Steer	in	N / A / N / A			
	9	Wheels - Number	X=Driven	Drive / Steer		2X / 2			
DIMENSIONS	10	Tread - Drive	Center of Tires	Nar / Int / Wide 6" / Wide 7"	in (mm)	N/A / 31.8 / N/A / 35.7 (N/A / 808 / N/A / 906)			
		Tread - Steer	Center of Tires		in (mm)	32.2 (817)			
	11	Mast Tilt	Std Opt		degrees	5F / 5B 10F / 5B			
	12	Mast - Lowered Height	Std Mast		in (mm)	82 (2080)			
	13	Free Lift - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)	5 (140)			
			Opt 2 Stg Full Free Lift Mast with / without LBR		in (mm)	31 / 57 (807 / 1456)			
	14	Lift Height - Top of Fork	Std 2 Stg Limited Free Lift Mast		in (mm)	127 (3232)			
	15	Mast - Extended Height	Std Mast with / without LBR		in (mm)	176 / 150 (4455 / 3806)			
	16	Overhead Guard Height	Std & DIR / Opt Grid / Flat Plate		in (mm)	88.5 / 86.5 / 83.5 (2248 / 2197 / 2121)			
	17	SIP to Underside OHG	Susp at Mid-Point	Std / Full Susp	in (mm)	38.7 / 37.3 (984 / 949)			
	18	Tow Pin Height	Vertical Center of Pin		in (mm)	9.1 (232)			
	19	Overall Width	Nar / Int / Wide 6" / Wide 7" Tread		in (mm)	38.8 / 42.7 (986 / 1084)			
	20	Forks	Thickness x Width x Length		in (mm)	1.6 x 3.9 x 42 (40 x 100 x 1067)			
	21	Standard Carriage Width	Class II		in (mm)	35.7 (907)			
	22	Floor to Top of Battery Rollers			in (mm)	17.1 (435)			
	23	Ground Clearance	Lowest Point	NL / RL	in (mm)	3.5 / 3.3 (90 / 84)			
	24	Ground Clearance	Center of Truck	NL / RL	in (mm)	3.9 / 3.6 (98 / 92)			
	25	Load Distance	Center of Wheel to Face of Forks		in (mm)	14.2 (360)			
	26	Battery Compartment	Height	Std / Battery Rollers	in (mm)	24 / 23.5 (610 / 597)			
			Width	UL Classification "E"/"EE"	in (mm)	35.8 / 35.6 (909 / 904)			
			Length		in (mm)	27.6 (700)			
	27	Length to Face of Forks	Chassis Length		in (mm)	77.5 (1968)			
	28	Wheelbase			in (mm)	48 (1220)			
	29	Right Angle Stack			in (mm)	128.7 (3270)			
	30	Equal Aisle	90° Intersecting Aisle		in (mm)	69.1 (1754)			
	31	Outside Turning Radius			in (mm)	66.6 (1692)			
	WT.	32	Truck Weight	Without Battery	NL	lb (kg)	5770 (2617)		
		33	Axle Loading - Drive	Static with Max. Wt. Battery	NL / RL	lb (kg)	3336 / 10512 (1513 / 4768)		
		34	Axle Loading - Steer	Static with Max. Wt. Battery	NL / RL	lb (kg)	4925 / 1749 (2234 / 793)		
	PERFORMANCE	35	Travel Speed	Extended Shift OFF	NL / RL	mph (km/h)	VOLTS	36	48
							11.4 / 10.5 (18.4 / 16.9)	11.4 / 11.4 (18.4 / 18.4)	
			Extended Shift ON	NL / RL	mph (km/h)	11.4 / 9.5 (18.4 / 15.3)	11.4 / 11.1 (18.4 / 17.9)		
36		Lift Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	126 / 74 (0.64 / 0.376)	142 / 93 (0.72 / 0.47)		
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	113 / 66 (0.573 / 0.337)	127 / 83 (0.645 / 0.421)		
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	117 / 69 (0.594 / 0.349)	131 / 86 (0.668 / 0.436)		
37		Lower Speed	Std 2 Stg LFL Mast	NL / RL	ft/min (m/sec)	93 / 100 (0.47 / 0.51)			
			Opt 2 Stg FFL Mast	NL / RL	ft/min (m/sec)	73 / 91 (0.37 / 0.46)			
			Opt 3 Stg FFL Mast	NL / RL	ft/min (m/sec)	81 / 94 (0.41 / 0.48)			
38		Gradeability	5 Minute Rating	NL / RL	%	30.4 / 22.7	33.6 / 23.2		
			60 Minute Rating	NL / RL	%	7 / 5	7.4 / 5.4		
39	Drawbar Pull	5 Minute Rating	NL / RL	lbf (N)	2621 / 2744 (11658 / 12205)	2681 / 2801 (11924 / 12459)			
		60 Minute Rating	NL / RL	lbf (N)	605 / 667 (2693 / 2965)	617 / 680 (2745 / 3023)			
40	Brake	Method of Control	Service / Parking		Hydraulic / Mechanical				
		Method of Operation	Service / Parking		Foot / Foot (Optional Park Brake - Automatic)				
ELECTRIC	41	Battery	Type		Lead acid or lithium-ion				
	42	Traction Motor	60 Minute Rating	hp (kW)	24.7 (18.4)	24.7 (18.4)			
	43	Pump Motor	S3-15%	hp (kW)	21.5 (16)	21.5 (16)			
	44	Traction Motor	Type / Control Method		AC / Transistor				
	45	Pump Motor	Type / Control Method		AC / Transistor				
	46	Number of Speeds	Traction / Pump		Infinitely Variable / Infinitely Variable				
OTHER	47	Step Height		in (mm)	18.7 (475)				
	48	Floor Height	Lowest Point	in (mm)	30.4 (772)				
	49	Attachment Relief Pressure	Mech Levers / Mini-levers	psi (bar)	2596 / 2596 (179 / 179)				
	50	Auxiliary Oil Flow	3rd Function / 4th Function	gal/min (l/min)	10.6 / 10.6 (40 / 40)				
	51	Sound Level	Measured per ANSI B56.11.5	dB (A)	64				

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.

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

# ➤ E30-40XN MAST AND BATTERY DIMENSIONS

E30-40XN MAST DIMENSIONS					
Maximum Fork Height (TOF)	Overall Lowered Height	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)
<b>2-STAGE LIMITED FREE LIFT (LFL) MAST</b>					
127 (3232)	82 (2080)	176 (4455)	150 (3806)	5 (140)	5 (140)
<b>2-STAGE FULL FREE LIFT (FFL) MAST</b>					
126 (3218)	82 (2080)	176 (4461)	151 (3812)	31 (807)	57 (1456)
138 (3518)	88 (2230)	188 (4761)	162 (4112)	37 (957)	63 (1606)
<b>3-STAGE FULL FREE LIFT (FFL) MAST</b>					
181 (4600)	80 (2030)	230 (5823)	204 (5174)	29 (757)	55 (1406)
187 (4750)	82 (2080)	236 (5973)	210 (5324)	31 (807)	57 (1455)
192 (4900)	84 (2130)	242 (6123)	216 (5474)	33 (857)	59 (1506)
198 (5050)	88 (2230)	247 (6273)	222 (5624)	37 (957)	63 (1606)
216 (5500)	94 (2380)	265 (6723)	240 (6074)	43 (1107)	69 (1756)

BATTERY AND COMPARTMENT SPECIFICATIONS TRUCKS WITH UL TYPE "E" CONSTRUCTION													
Battery Compartment Dimensions				Battery Dimensions and Specifications									
Compartment Type	Width	Length	Height	"X"		"Y"		"Z"	Volts	No. of Cells	Max Capacity 6 Hour Rate	Weight	
				Min	Max	Min	Max	Max				Min	Max
	in (mm)			in (mm)					amp hr (kwh)	lb (kg)			
Vertical Removal (Lift Out)	35.8 (909)	27.6 (700)	24.0 (610)	30.9 (784)	35.7 (907)	25.7 (654)	27.2 (692)	23.5 (598)	36	18	1200 (40.6)	1850 (839)	2500 (1132)
									48	24	1000 (45.2)		
Horizontal Removal with Battery Rollers	35.8 (909)	27.6 (700)	23.5 (597)	30.9 (784)	35.7 (907)	25.7 (654)	27.2 (692)	23.0 (585)	36	18	1200 (40.6)	1850 (839)	2500 (1132)
									48	24	1000 (45.2)		

BATTERY AND COMPARTMENT SPECIFICATIONS TRUCKS WITH UL TYPE "EE" CONSTRUCTION													
Battery Compartment Dimensions				Battery Dimensions and Specifications									
Compartment Type	Width	Length	Height	"X"		"Y"		"Z"	Volts	No. of Cells	Max Capacity 6 Hour Rate	Weight	
				Min	Max	Min	Max	Max				Min	Max
	in (mm)			in (mm)					amp hr (kwh)	lb (kg)			
Vertical Removal (Lift Out)	35.6 (904)	27.6 (700)	24.0 (610)	30.9 (784)	35.5 (902)	25.7 (654)	27.2 (692)	23.5 (598)	36	18	1200 (40.6)	1850 (839)	2500 (1132)
									48	24	1000 (45.2)		
Horizontal Removal with Battery Rollers	35.6 (904)	27.6 (700)	23.5 (597)	30.9 (784)	35.5 (902)	25.7 (654)	27.2 (692)	23.0 (585)	36	18	1200 (40.6)	1850 (839)	2500 (1132)
									48	24	1000 (45.2)		

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

Battery Notes – Conventional Charging (BCSSBC)  
 Battery Connector:  
 36 volt - Grey SB®350 (Anderson Power Products® P/N 6320G1 or equivalent)  
 48 volt - Blue SB®350 (Anderson Power Products® P/N 6321G1 or equivalent)  
 Battery Lead: Length 20" (508mm). Position "B", 2/0 AWG

Battery Notes – Rapid/Fast Charging (BARFBC)  
 Battery Connector: Requires Dual Positive/Negative Cabling terminating in (2) Female EBC-320 DIN Connectors (Anderson Power Products® P/N A32503-0009 or equivalent)  
 Each individual DIN connector to include 1 Red Conductor to (+) and 1 Black Conductor to (-)  
 Battery Lead: Length 25" (635mm). Position "B", Minimum Cable Size 3/0 AWG




PERFORMANCE	STD	OPT
48-volt electrical system	x	
Dual Voltage Lithium Battery Technology	x	
AC tractions and pump motors (completely brushless)	x	
Hydrostatic steer system	x	
Transistor drive and pump control	x	
Advanced VSM (Vehicle System Manager)	x	
Dual drive motors	x	
Wet disc brakes	x	
Regenerative braking	x	
DRIVE	STD	OPT
Pneumatic-shaped solid drive tire and steer tire	x	
Rubber cushion smooth tread drive tire and steer tire		x
LIFT	STD	OPT
2-Stage limited free lift (LFL) mast with maximum fork height of 119"	x	
5 forward / 5 back mast tilt	x	
2-Stage full free lift mast		x
3-Stage full free list mast		x
4-Stage full free lift mast		x
Mast tilt option - 10F / 5B		x
Mast tilt option - 5F / 4B		x
HANDLING	STD	OPT
38.5" wide Class II carriage with 48" high load backrest extension	x	
42" (1067mm) long forks	x	
Carriage with integral sideshift		x
Carriage with integral sideshifting forkpositioner		x
Return to set tilt		x
Hydraulic attachment extension tubes with or without quick disconnect fittings		x
Load weight indicator		x
ERGONOMICS	STD	OPT
MONOTROL foot direction control	x	
TouchPoint hydraulic mini-levers	x	
12" steering wheel with integral spinner knob and tilt column	x	
Vinyl non-suspension seat	x	
Black, non-cinch seat belt with Emergency Locking Retractor (ELR)	x	
Automatic park brake	x	
Power assist braking	x	
On-demand hydrostatic power-assist steering	x	
Auto Deceleration System (ADS)	x	
Multifunction display (and all its sub features)	x	
Easy ingress/egress with low step height and contoured handhold	x	
Operator convenience station	x	
Adjustable tilt steering column with low profile cowl	x	
Operator Presence System (OPS)	x	
Cushioned floormat	x	
Static strap	x	

ERGONOMICS (continued)	STD	OPT
Tow pin	x	
Seatside power disconnect button	x	
Battery side covers	x	
On-board software (Program, test & diagnose / password protected)	x	
Electronic horn with integral relay (long life / no adjustments)	x	
Non-suspension cloth seat		x
Full-suspension seat (vinyl or cloth)		x
Full-suspension swivel seat (vinyl or cloth)		x
Seatside directional control		x
Telescopic steering column with tilt memory		x
LED and halogen work light packages		x
LED dome / reading light		x
Rear dive handle with horn button		x
Mirrors - dual rear view - LH & RH OHG side mounted		x
Mirror - single panoramic - OHG mounted		x
Low mount display		x
OPERATION	STD	OPT
Standard environmental construction	x	
Key switch start	x	
81.5" grid style overhead guard	x	
3-function hydraulic valve	x	
Full integrated CANbus communication	x	
Cooler / Freezer package: operating temperature 0F to +120F		x
SubZero freezer package: operating temperature -40F to +120F		x
4-function hydraulic control valve		x
77.9" flat plate overhead guard		x
81.5" drive-in rack grid style overhead guard		x
Keyless start (with auxiliary key switch)		x
Basic and premium LED brake / tail / back-up light packages		x
Key switch controlled lights		x
Audible alarm - reverse operation (manually adjustable to 87, 97 or 102 dB)		x
Visible amber strobe light - continuous activated, overhead guard mounted		x
Fire extinguisher - 2.5lb dry chemical		x
Impact monitor		x
Operator password start interlock		x
Operator daily checklist		x
System monitor - hydraulic low fluid level indicator and hydraulic filter service indicator		x
Programmable maintenance reminder		x
Synchronouse steering		x
Red, high-visibility, non-cinch seat belt with or without start interlock		x
Hyster Reaction™		x
SUPPLEMENTAL	STD	OPT
84 month / 12,000 hour lithium-ion battery warranty	x	
Operating manual	x	
12 month / 2,000 hour full truck warranty	x	
36 month / 6,000 hour powertrain warranty	x	



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Visit us online at [www.hyster.com](http://www.hyster.com) or call us at **1-800-HYSTER-1**.

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