

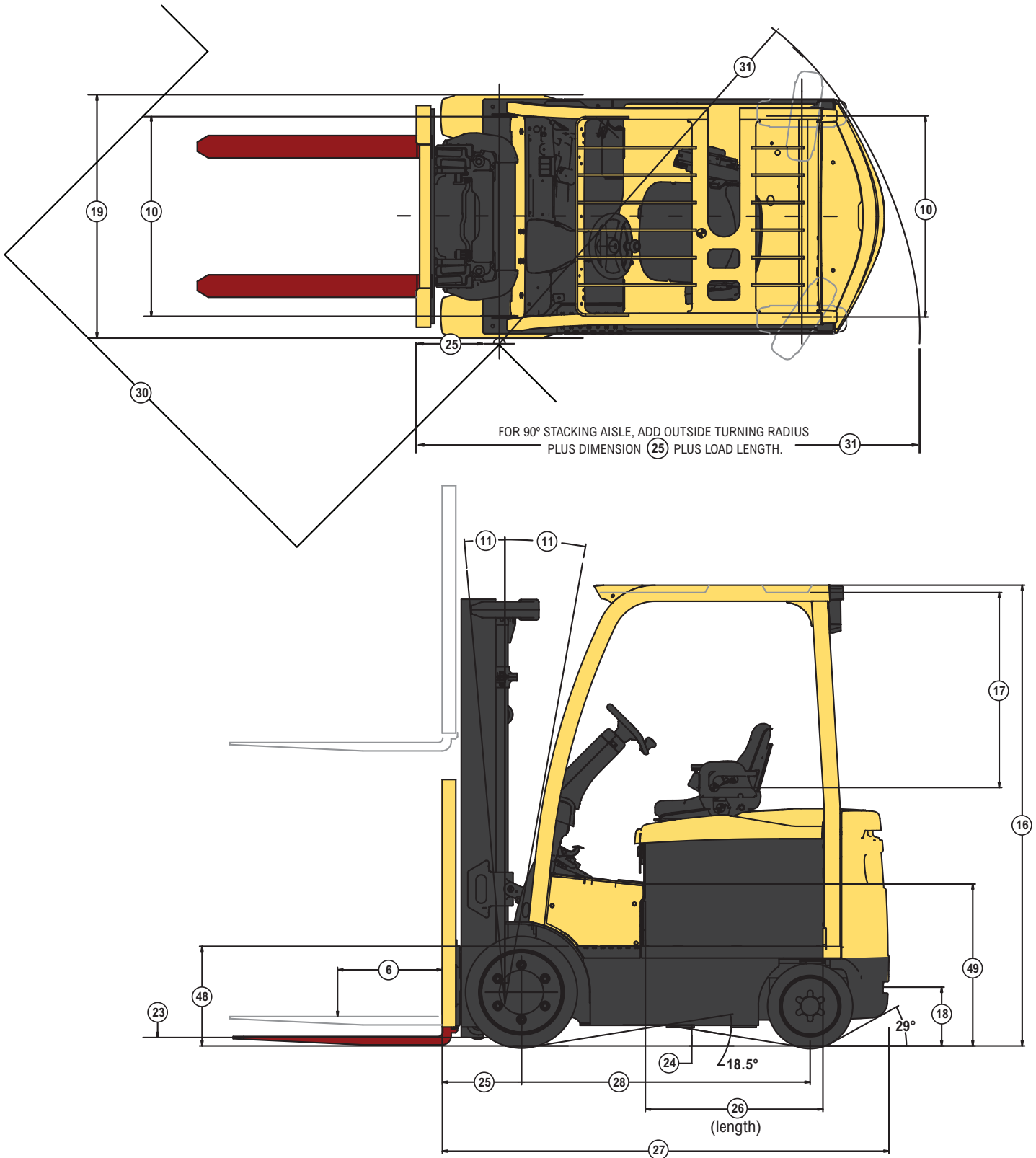
E45-70XN



**4-WHEEL ELECTRIC
FORKLIFT TRUCK CUSHION TIRE**
PRODUCT TECHNICAL GUIDE



E45-70XN DIMENSIONS



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

E45XN SPECIFICATIONS

GENERAL	1	Manufacturer			Hyster				
	2	Model designation			E45XN				
	3	Power			Electric				
	4	Operation			Sit				
	5	Rated capacity			4500 (2041)				
	6	Load center			24 (610)				
TIRES	7	Tire type - cushion, solid, pneumatic, etc.		Drive/steer					
	8	Tire size		Cushion/cushion					
	9	Wheels - number		21 x 7 x 15 / 16 x 5 x 10.5					
DIMENSIONS	10	Tread		2x/2					
	11	Mast tilt		Std dr/wide dr/steer					
	12	Mast - lowered height		in (mm)					
	13	Free lift - top of fork		Std 2-stg limited free lift mast					
	14	Lift height - top of fork		in (mm)					
	15	Mast - extended height		Std mast with/without LBR					
	16	Overhead guard height		Std/drive in rack/opt/opt flat plate					
	17	Sip to bottom std OHG		Susp at mid-point					
	18	Tow pin height		Vertical center of pin					
	19	Overall width		Standard tread/wide tread					
	20	Forks		Thickness x width x length					
	21	Standard carriage width		Class II					
	22	Floor to top of battery rollers		in (mm)					
	23	Ground clearance		Lowest point					
	24	Ground clearance		Center of truck					
	25	Load distance		Center of wheel to face of forks					
	26	Battery compartment		Height					
	WT.	27	Length to face of forks		Nominal				
28		Wheelbase		Actual					
29		Right angle stack		SIZE					
30		Equal aisle		27"					
31		Outside turning radius		30"					
32		Truck weight		33"					
33		Axle loading - drive		Length					
34		Axle loading - steer		Chassis length					
				79.4 (2016)					
				82 (2082)					
			84.3 (2143)						
			48.4 (1230)						
			51.8 (1316)						
			54.2 (1377)						
			131.7 (3344)						
			135.2 (3434)						
			137.5 (3493)						
			71.7 (1822)						
			72.3 (1836)						
			73.1 (1858)						
			68.3 (1735)						
			71.9 (1825)						
			74.2 (1884)						
			6620 (3003)						
			6240 (2830)						
			6280 (2849)						
			3945/12102 (1789/5489)						
			4189/12107 (1900/5492)						
			4386/12152 (1989/5512)						
			5968/2311 (2707/1048)						
			5556/2138 (2520/970)						
			5796/2529 (2629/1147)						
PERFORMANCE					STANDARD PERFORMANCE				
					POWERPLUS PERFORMANCE				
					36		48		
					80				
	36	Travel speed		Extended shift off		NL/RL		mph (km/h)	
	37	Lift speed		Extended shift on		NL/RL		mph (km/h)	
				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)	
				Opt 4-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)		
			Opt 4-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/mechanical		
			Method of operation		Service/parking		Foot/foot		
42	Battery		Type		Lead acid Thin Plate Pure Lead* Lithium-ion*				
ELECTRIC					STANDARD PERFORMANCE				
					POWERPLUS PERFORMANCE				
					36		48		
					80				
	43	Traction motor		60 minute rating		hp (kW)		hp (kW)	
	44	Pump motor		15% rating		hp (kW)		hp (kW)	
	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)					
	49	Floor height		in (mm)					
	50	Attachment relief pressure		psi (bar)					
	51	Auxiliary oil flow		gal/min (l/min)					
	52	Sound level		Measured per ANSI B56.11.5					
					27"	30"	33"		
					27.6 (700)	30.9 (786)	33.3 (847)		
					79.4 (2016)	82 (2082)	84.3 (2143)		
					48.4 (1230)	51.8 (1316)	54.2 (1377)		
					131.7 (3344)	135.2 (3434)	137.5 (3493)		
					71.7 (1822)	72.3 (1836)	73.1 (1858)		
					68.3 (1735)	71.9 (1825)	74.2 (1884)		
					6620 (3003)	6240 (2830)	6280 (2849)		
					3945/12102 (1789/5489)	4189/12107 (1900/5492)	4386/12152 (1989/5512)		
					5968/2311 (2707/1048)	5556/2138 (2520/970)	5796/2529 (2629/1147)		
					10.9/9.9 (17.6/15.9)	11.3/11.3 (18.2/18.2)	12.3/12.8 (19.8/20.6)	12.3/12.5 (19.8/20.1)	
					9.8/8.8 (15.8/14.2)	10.7/9.9 (17.2/15.9)	12.2/12.4 (19.7/19.9)	12.2/12.3 (19.7/19.8)	
					100/59 (0.51/0.3)	124/79 (0.63/0.4)	142/102 (0.72/0.52)	142/102 (0.72/0.52)	
					93/59 (0.47/0.3)	124/81 (0.63/0.41)	130/98 (0.66/0.5)	130/98 (0.66/0.5)	
					94/59 (0.48/0.3)	124/79 (0.63/0.4)	134/100 (0.68/0.51)	134/100 (0.68/0.51)	
					96/59 (0.49/0.3)	0.67/79 (0.63/0.4)	136/100 (0.69/0.51)	136/100 (0.69/0.51)	
					100/112 (0.51/0.57)				
					91/102 (0.46/0.52)				
					93/106 (0.47/0.54)				
					77/89 (0.39/0.45)				
					39/23	40/25	39/27	39/34	
					14/8	15/9	25/16	32/20	
					3373/3202	3486/3306	3773/3946	3773/4968	
					1317/1178	1402/1262	2545/2375	3208/3026	
					Hydraulic/mechanical				
					Foot/foot				
					Lead acid Thin Plate Pure Lead* Lithium-ion*				
					STANDARD PERFORMANCE				
					POWERPLUS PERFORMANCE				
					36		48		
					80				
					24.7 (18.4)	24.7 (18.4)	31.6 (23.6)	31.6 (23.6)	
					16.6 (12.4)	22.4 (16.7)	31.8 (23.7)	32.2 (24)	
					AC/transistor				
					AC/transistor				
					Infinitely variable/infinitely variable				
					18.7 (475)				
					30.4 (772)				
					2250 (155)				
					11 (40)				
					60	60	65	65	

* Optional with Hyster Power Collect™

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.

E50XN SPECIFICATIONS

GENERAL	1 Manufacturer			Hyster					
	2 Model designation			E50XN					
	3 Power			Electric					
4 Operation			Sit						
5 Rated capacity			lb (kg)	5000 (2268)					
6 Load center			in (mm)	24 (610)					
TIRES	7 Tire type - cushion, solid, pneumatic, etc.			Drive/steer	Cushion/cushion				
	8 Tire size			Drive/steer	in 21 x 7 x 15 / 16 x 5 x 10.5				
	9 Wheels - number	X=driven	Drive/steer	2x/2					
10 Tread			Tires Std dr/wide dr/steer	in (mm)	35.1/41.9/37 (892/1064/940)				
11 Mast tilt			Std opt opt	degrees	5F/5B 10F/5B (5F/4B)				
12 Mast - lowered height			Std mast	in (mm)	83 (2085)				
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)	33/60 (860/1525)				
14 Lift height - top of fork			Std 2-stg limited free lift mast	in (mm)	125 (3192)				
15 Mast - extended height			Std mast with/without LBR	in (mm)	174/148 (4415/3740)				
16 Overhead guard height			Std/drive in rack/opt/opt flat plate	in (mm)	88.5/88.5/86.5/84.1 (2248/2248/2197/2137)				
17 Sip to bottom std OHG			Susp at mid-point Std/susp/swivel	in (mm)	38.3/37.4/37.3 (975/950/948)				
18 Tow pin height			Vertical center of pin	in (mm)	11 (280)				
19 Overall width			Standard tread/wide tread	in (mm)	42.1/48.9 (1070/1242)				
DIMENSIONS	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)	38.5 (977)			
	22 Floor to top of battery rollers				in (mm)	17.2 (436)			
	23 Ground clearance			Lowest point NL/RL	in (mm)	3.6/3.3 (91/85)			
	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)	15.4 (390)			
	26 Battery compartment			Height Without/with battery rollers	in (mm)	23.9/23.3 (607/593)			
				Width	in (mm)	39.1 (992)			
				Nominal SIZE		27"	30"	33"	
				Length Actual	in (mm)	27.6 (700)	30.9 (786)	33.3 (847)	
27 Length to face of forks			Chassis length	in (mm)	80.3 (2040)	82.8 (2102)	84.3 (2143)		
28 Wheelbase				in (mm)	48.4 (1230)	51.8 (1316)	54.2 (1377)		
29 Right angle stack				in (mm)	132.5 (3366)	135.2 (3434)	137.5 (3493)		
30 Equal aisle			90° Intersecting aisle	in (mm)	71.8 (1823)	72.5 (1842)	73.1 (1858)		
31 Outside turning radius				in (mm)	69.2 (1757)	71.9 (1825)	74.2 (1884)		
WT.	32 Truck weight			Without battery NI	lb (kg)	7030 (3189)	6670 (3025)	6280 (2849)	
	33 Axle loading - drive			Static w/ max. wt. battery NL/RL	lb (kg)	3844/12907 (1744/5855)	4114/12911 (1866/5856)	4386/13015 (1989/5904)	
	34 Axle loading - steer			Static w/ max. wt. battery NL/RL	lb (kg)	6477/2414 (2938/1095)	6053/2255 (2746/1023)	5796/2166 (2629/982)	
PERFORMANCE					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
				VOLTS	36	48	48	80	
	36 Travel speed			Extended shift off NL/RL	mph (km/h)	10.7/9.6 (17.3/15.4)	11.3/11.3 (18.2/18.2)	12.3/12.8 (19.8/20.6)	12.3/12.5 (19.8/20.1)
				Extended shift on NL/RL	mph (km/h)	9.7/8.7 (15.6/14)	10.6/9.8 (17.1/15.8)	12.2/12.4 (19.7/19.9)	12.2/12.2 (19.7/19.7)
	37 Lift speed			Std 2-stg LFL mast NL/RL	ft/min (m/sec)	100/55 (0.51/0.28)	124/75 (0.63/0.38)	142/96 (0.72/0.49)	142/96 (0.72/0.49)
				Opt 2-stg FFL mast NL/RL	ft/min (m/sec)	93/57 (0.47/0.29)	124/77 (0.63/0.39)	130/93 (0.66/0.47)	130/93 (0.66/0.47)
				Opt 3-stg FFL mast NL/RL	ft/min (m/sec)	94/57 (0.48/0.29)	124/77 (0.63/0.39)	134/94 (0.68/0.48)	134/94 (0.68/0.48)
				Opt 4-stg FFL mast NL/RL	ft/min (m/sec)	96/57 (0.49/0.29)	124/75 (0.63/0.38)	136/94 (0.69/0.48)	136/94 (0.69/0.48)
	38 Lower speed			Std 2-stg LFL mast NL/RL	ft/min (m/sec)	100/112 (0.51/0.57)			
				Opt 2-stg FFL mast NL/RL	ft/min (m/sec)	91/106 (0.46/0.54)			
				Opt 3-stg FFL mast NL/RL	ft/min (m/sec)	93/108 (0.47/0.55)			
				Opt 4-stg FFL mast NL/RL	ft/min (m/sec)	77/91 (0.39/0.46)			
	39 Gradeability			5 minute rating NL/RL	%	35/20	36/21	39/25	39/33
				60 minute rating NL/RL	%	13/7	14/8	25/15	32/19
	40 Drawbar pull			5 minute rating NL/RL	LBF	3358/3152	3464/3257	3773/3909	3773/4926
			60 minute rating NL/RL	LBF	1295/1129	1380/1212	2545/2345	3208/2993	
41 Brake			Method of control Service/parking	Hydraulic/mechanical					
			Method of operation Service/parking	Foot/foot					
ELECTRIC	42 Battery			Type	Lead acid Thin Plate Pure Lead* Lithium-ion*				
					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
				VOLTS	36	48	48	80	
	43 Traction motor			60 minute rating	hp (kW)	24.7 (18.4)	24.7 (18.4)	31.6 (23.6)	31.6 (23.6)
	44 Pump motor			15% rating	hp (kW)	16.6 (12.4)	22.4 (16.7)	31.8 (23.7)	32.2 (24)
	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)	18.7 (475)			
	49 Floor height			Lowest point	in (mm)	30.4 (772)			
	50 Attachment relief pressure				psi (bar)	2250 (155)			
	51 Auxiliary oil flow			3rd and 4th function	gal/min (l/min)	11 (40)			
	52 Sound level			Measured per ANSI B56.11.5	dB (A)	60	60	65	65

* Optional with Hyster Power Collect™

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.

E55XN SPECIFICATIONS

GENERAL	1 Manufacturer			Hyster					
	2 Model designation			E55XN					
	3 Power			Electric					
	4 Operation			Sit					
GENERAL	5 Rated capacity			lb (kg)	5500 (2495)				
	6 Load center			in (mm)	24 (610)				
TIRES	7 Tire type - cushion, solid, pneumatic, etc.			Drive/steer	Cushion/cushion				
	8 Tire size			Drive/steer	in 21 x 7 x 15 / 16 x 5 x 10.5				
TIRES	9 Wheels - number		X=driven	Drive/steer	2x/2				
	10 Tread		Tires	Std dr/wide dr/steer	in (mm)	35.1/41.9/37 (892/1064/940)			
DIMENSIONS	11 Mast tilt			Std opt opt	degrees	5F/5B 10F/5B (5F/4B)			
	12 Mast - lowered height			Std mast	in (mm)	83 (2085)			
DIMENSIONS	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)	33/60 (860/1525)				
DIMENSIONS	14 Lift height - top of fork			Std 2-stg limited free lift mast	in (mm)	125 (3192)			
	15 Mast - extended height			Std mast with/without LBR	in (mm)	174/148 (4415/3740)			
DIMENSIONS	16 Overhead guard height			Std/drive in rack/opt/opt flat plate	in (mm)	88.5/88.5/86.5/84.1 (2248/2248/2197/2137)			
	17 Sip to bottom std OHG		Susp at mid-point	Std/susp/swivel	in (mm)	38.3/37.4/37.3 (975/950/948)			
DIMENSIONS	18 Tow pin height			Vertical center of pin	in (mm)	11 (280)			
	19 Overall width			Standard tread/wide tread	in (mm)	42.1/48.9 (1070/1242)			
DIMENSIONS	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)	38.5 (977)			
DIMENSIONS	22 Floor to top of battery rollers				in (mm)	17.2 (436)			
	23 Ground clearance		Lowest point	NL/RL	in (mm)	3.6/3.3 (91/85)			
DIMENSIONS	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)	15.4 (390)			
DIMENSIONS	26 Battery compartment		Height	Without/with battery rollers	in (mm)	23.9/23.3 (607/593)			
	Width				in (mm)	39.1 (992)			
DIMENSIONS				Nominal	SIZE	33"			
				Length	Actual	in (mm)	33.3 (847)		
DIMENSIONS	27 Length to face of forks		Chassis length	in (mm)	85.1 (2163)				
	28 Wheelbase				in (mm)	54.2 (1377)			
DIMENSIONS	29 Right angle stack				in (mm)	137.9 (3502)			
	30 Equal aisle			90° Intersecting aisle	in (mm)	73.8 (1874)			
DIMENSIONS	31 Outside turning radius				in (mm)	74.5 (1893)			
	32 Truck weight			Without battery	NL	lb (kg)	6710 (3044)		
WT.	33 Axle loading - drive			Static w/ max. wt. battery	NL/RL	lb (kg)	4313/13806 (1956/6262)		
	34 Axle loading - steer			Static w/ max. wt. battery	NL/RL	lb (kg)	6289/2297 (2853/1042)		
PERFORMANCE					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
					VOLTS	36	48	48	80
PERFORMANCE	36 Travel speed		Extended shift off	NL/RL	mph (km/h)	10.7/9.4 (17.3/15.1)	11.3/11.3 (18.2/18.2)	12.3/12.8 (19.8/20.6)	12.3/12.5 (19.8/20.1)
			Extended shift on	NL/RL	mph (km/h)	9.6/8.5 (15.5/13.7)	10.5/9.6 (16.9/15.5)	12.2/12.4 (19.7/19.9)	12.2/12.2 (19.7/19.7)
PERFORMANCE	37 Lift speed		Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	100/53 (0.51/0.27)	124/71 (0.63/0.36)	142/93 (0.72/0.47)	142/93 (0.72/0.47)
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	93/57 (0.47/0.29)	124/75 (0.63/0.38)	130/89 (0.66/0.45)	130/89 (0.66/0.45)
PERFORMANCE			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	94/55 (0.48/0.28)	124/73 (0.63/0.37)	134/91 (0.68/0.46)	134/91 (0.68/0.46)
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	96/57 (0.49/0.29)	124/75 (0.63/0.38)	136/94 (0.69/0.48)	136/94 (0.69/0.48)
PERFORMANCE	38 Lower speed		Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	100/114 (0.51/0.58)			
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	91/108 (0.46/0.55)			
PERFORMANCE			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	93/110 (0.47/0.56)			
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	77/91 (0.39/0.46)			
PERFORMANCE	39 Gradeability		5 minute rating	NL/RL	%	34/19	34/20	36/24	36/30
			60 minute rating	NL/RL	%	12/7	13/8	24/14	31/18
PERFORMANCE	40 Drawbar pull		5 minute rating	NL/RL	LBF	3350/3139	3456/3243	3715/3868	3715/4881
			60 minute rating	NL/RL	LBF	1287/1111	1373/1198	2535/2310	3198/2956
PERFORMANCE	41 Brake			Method of control	Service/parking	Hydraulic/mechanical			
				Method of operation	Service/parking	Foot/foot			
ELECTRIC	42 Battery			Type	Lead acid Thin Plate Pure Lead* Lithium-ion*				
					VOLTS	36	48	48	80
ELECTRIC	43 Traction motor		60 minute rating		hp (kW)	24.7 (18.4)	24.7 (18.4)	31.6 (23.6)	31.6 (23.6)
	44 Pump motor		15% rating		hp (kW)	16.6 (12.4)	22.4 (16.7)	31.8 (23.7)	32.2 (24)
ELECTRIC	45 Traction motor			Type/control method	AC/transistor				
	46 Pump motor			Type/control method	AC/transistor				
ELECTRIC	47 Number of speeds			Traction/pump	Infinitely variable/infinitely variable				
	48 Step height				in (mm)	18.7 (475)			
OTHER	49 Floor height		Lowest point		in (mm)	30.4 (772)			
	50 Attachment relief pressure				psi (bar)	2250 (155)			
OTHER	51 Auxiliary oil flow		3rd and 4th function		gal/min (l/min)	11 (40)			
	52 Sound level		Measured per ANSI B56.11.5		dB (A)	60	60	65	65

* Optional with Hyster Power Collect™

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.

E60XN SPECIFICATIONS

GENERAL	1 Manufacturer			Hyster					
	2 Model designation			E60XN					
	3 Power			Electric					
4 Operation			Sit						
5 Rated capacity			lb (kg)	6000 (2722)					
6 Load center			in (mm)	24 (610)					
TIRES	7 Tire type - cushion, solid, pneumatic, etc.		Drive/steer	Cushion/cushion					
	8 Tire size		Drive/steer	in	21 x 8 x 15 / 16 x 6 x 10.5				
	9 Wheels - number	X=driven	Drive/steer	2x/2					
10 Tread		Tires	Std dr/wide dr/steer	in (mm)	35.6/40.9/36 (905/1039/915)				
11 Mast tilt			Std opt opt	degrees	5F/5B 10F/5B (5F/4B)				
12 Mast - lowered height			Std mast	in (mm)	83 (2085)				
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)	33/56 (855/1440)				
14 Lift height - top of fork		Std 2-stg limited free lift mast		in (mm)	118 (3009)				
15 Mast - extended height		Std mast with/without LBR		in (mm)	167/144 (4235/3655)				
16 Overhead guard height		Std/drive in rack/opt/opt flat plate		in (mm)	88.5/88.5/86.5/84.1 (2248/2248/2197/2137)				
17 Sip to bottom std OHG		Susp at mid-point	Std/susp/swivel	in (mm)	38.3/37.4/37.3 (975/950/948)				
18 Tow pin height		Vertical center of pin		in (mm)	11 (280)				
19 Overall width		Standard tread/wide tread		in (mm)	43.6/48.9 (1108/1242)				
DIMENSIONS	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)	38.5 (977)				
	22 Floor to top of battery rollers			in (mm)	17.2 (436)				
	23 Ground clearance		Lowest point	NL/RL	in (mm)	3.6/3.3 (91/85)			
	24 Ground clearance		Center of truck	NL/RL	in (mm)	3.7/3.6 (94/92)			
	25 Load distance		Center of wheel to face of forks		in (mm)	15.8 (402)			
	26 Battery compartment		Height	Without/with battery rollers	in (mm)	23.9/23.3 (607/593)			
			Width		in (mm)	39.1 (992)			
				Nominal	SIZE	33"			
			Length	Actual	in (mm)	33.3 (847)			
27 Length to face of forks		Chassis length		in (mm)	86.5 (2199)				
28 Wheelbase				in (mm)	54.2 (1377)				
29 Right angle stack				in (mm)	139.2 (3536)				
30 Equal aisle		90° Intersecting aisle		in (mm)	74.2 (1885)				
31 Outside turning radius				in (mm)	75.4 (1915)				
WT.	32 Truck weight		Without battery	NL	lb (kg)	7350 (3334)			
	33 Axle loading - drive		Static w/ max. wt. battery	NL/RL	lb (kg)	4474/14882 (2029/6750)			
	34 Axle loading - steer		Static w/ max. wt. battery	NL/RL	lb (kg)	6769/2361 (3070/1071)			
PERFORMANCE					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
					VOLTS		80		
	36 Travel speed		Extended shift off	NL/RL	mph (km/h)	10.6/9.1 (17/14.6)	11.3/11.3 (18.2/18.2)	12.3/12.8 (19.8/20.6)	12.3/12.5 (19.8/20.1)
			Extended shift on	NL/RL	mph (km/h)	9.5/8.3 (15.3/13.3)	10.4/9.4 (16.7/15.1)	12.2/12.2 (19.7/19.7)	12.2/12.1 (19.7/19.4)
	37 Lift speed		Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	93/49 (0.47/0.25)	116/65 (0.59/0.33)	124/83 (0.63/0.42)	124/83 (0.63/0.42)
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	83/49 (0.42/0.25)	108/65 (0.55/0.33)	116/81 (0.59/0.41)	116/81 (0.59/0.41)
			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	85/49 (0.43/0.25)	112/65 (0.57/0.33)	118/81 (0.6/0.41)	118/81 (0.6/0.41)
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	96/57 (0.49/0.29)	124/75 (0.63/0.38)	136/94 (0.69/0.48)	136/94 (0.69/0.48)
	38 Lower speed		Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	91/110 (0.46/0.56)			
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	73/102 (0.37/0.52)			
			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	79/104 (0.4/0.53)			
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	77/91 (0.39/0.46)			
	39 Gradeability		5 minute rating	NL/RL	%	32/19	33/19	36/22	36/28
			60 minute rating	NL/RL	%	12/7	13/7	22/13	29/16
	40 Drawbar pull		5 minute rating	NL/RL	LBF	3342/3124	3448/3229	3883/3820	3883/4830
		60 minute rating	NL/RL	LBF	1280/1094	1365/1184	2518/2269	3181/2912	
41 Brake		Method of control	Service/parking	Hydraulic/mechanical					
		Method of operation	Service/parking	Foot/foot					
ELECTRIC	42 Battery		Type	Lead acid Thin Plate Pure Lead* Lithium-ion*					
					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
					VOLTS		80		
	43 Traction motor		60 minute rating	hp (kW)	24.7 (18.4)	24.7 (18.4)	31.6 (23.6)	31.6 (23.6)	
	44 Pump motor		15% rating	hp (kW)	16.6 (12.4)	22.4 (16.7)	31.8 (23.7)	32.2 (24)	
	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)	18.7 (475)				
	49 Floor height		Lowest point	in (mm)	30.4 (772)				
	50 Attachment relief pressure			psi (bar)	2250 (155)				
	51 Auxiliary oil flow		3rd and 4th function	gal/min (l/min)	11 (40)				
	52 Sound level		Measured per ANSI B56.11.5	dB (A)	60	60	65	65	

* Optional with Hyster Power Collect™

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.

E65XN SPECIFICATIONS

GENERAL	1	Manufacturer		Hyster					
	2	Model designation		E65XN					
	3	Power		Electric					
	4	Operation		Sit					
	5	Rated capacity		lb (kg)	6500 (2948)				
	6	Load center		in (mm)	24 (610)				
TIRES	7	Tire type - cushion, solid, pneumatic, etc.	Drive/steer	Cushion/cushion					
	8	Tire size	Drive/steer	in					
	9	Wheels - number	X=driven	Drive/steer	2x/2				
DIMENSIONS	10	Tread	Tires	Std dr/wide dr/steer	in (mm)	35.6/40.9/36 (905/1039/915)			
	11	Mast tilt		Std opt opt	degrees	5F/5B 10F/5B (5F/4B)			
	12	Mast - lowered height		Std mast	in (mm)	83 (2085)			
	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)	33/56 (855/1440)			
	14	Lift height - top of fork	Std 2-stg limited free lift mast		in (mm)	118 (3009)			
	15	Mast - extended height	Std mast with/without LBR		in (mm)	167/144 (4235/3655)			
	16	Overhead guard height	Std/drive in rack/opt/opt flat plate		in (mm)	88.5/88.5/86.5/84.1 (2248/2248/2197/2137)			
	17	Sip to bottom std OHG	Susp at mid-point	Std/susp/swivel	in (mm)	38.3/37.4/37.3 (975/950/948)			
	18	Tow pin height	Vertical center of pin		in (mm)	11 (280)			
	19	Overall width	Standard tread/wide tread		in (mm)	43.6/48.9 (1108/1242)			
	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)	38.5 (977)			
	22	Floor to top of battery rollers			in (mm)	17.2 (436)			
	23	Ground clearance	Lowest point	NL/RL	in (mm)	3.6/3.3 (91/85)			
	24	Ground clearance	Center of truck	NL/RL	in (mm)	3.7/3.6 (94/92)			
	25	Load distance	Center of wheel to face of forks		in (mm)	15.8 (402)			
	26	Battery compartment	Height	Without/with battery rollers	in (mm)	23.9/23.3 (607/593)			
			Width		in (mm)	39.1 (992)			
				Nominal	SIZE	36"			
				Actual	SIZE	40"			
			Length		in (mm)	36.7 (933)			
	27	Length to face of forks	Chassis length		in (mm)	90 (2285)			
	28	Wheelbase			in (mm)	57.6 (1463)			
	29	Right angle stack			in (mm)	142.9 (3629)			
	30	Equal aisle	90° Intersecting aisle		in (mm)	76.1 (1933)			
31	Outside turning radius			in (mm)	79.1 (2008)				
WT.	32	Truck weight	Without battery	NL	lb (kg)	7400 (3357)			
	33	Axle loading - drive	Static w/ max. wt. battery	NL/RL	lb (kg)	4640/15635 (2105/7092)			
	34	Axle loading - steer	Static w/ max. wt. battery	NL/RL	lb (kg)	6853/2359 (3108/1070)			
					lb (kg)	4914/15670 (2229/7108)			
PERFORMANCE					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
				VOLTS	36	48	48	80	
	36	Travel speed	Extended shift off	NL/RL	mph (km/h)	10.6/9.1 (17/14.6)	11.3/11.3 (18.2/18.2)	12.3/12.7 (19.8/20.4)	12.3/12.4 (19.8/20)
			Extended shift on	NL/RL	mph (km/h)	9.5/8.2 (15.3/13.2)	10.4/9.3 (16.7/15)	12.2/12.1 (19.7/19.5)	12.2/11.8 (19.7/19)
	37	Lift speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	93/47 (0.47/0.24)	116/63 (0.59/0.32)	124/79 (0.63/0.4)	124/79 (0.63/0.4)
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	83/47 (0.42/0.24)	108/63 (0.55/0.32)	116/77 (0.59/0.39)	116/77 (0.59/0.39)
			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	85/47 (0.43/0.24)	112/63 (0.57/0.32)	118/77 (0.6/0.39)	118/77 (0.6/0.39)
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	96/57 (0.49/0.29)	124/75 (0.63/0.38)	136/94 (0.69/0.48)	136/94 (0.69/0.48)
	38	Lower speed	Std 2-stg LFL mast	NL/RL	ft/min (m/sec)	91/112 (0.46/0.57)			
			Opt 2-stg FFL mast	NL/RL	ft/min (m/sec)	73/104 (0.37/0.53)			
			Opt 3-stg FFL mast	NL/RL	ft/min (m/sec)	79/106 (0.4/0.54)			
			Opt 4-stg FFL mast	NL/RL	ft/min (m/sec)	77/91 (0.39/0.46)			
	39	Gradeability	5 minute rating	NL/RL	%	31/18	31/19	37/21	37/26
			60 minute rating	NL/RL	%	12/6	12/7	22/12	28/16
	40	Drawbar pull	5 minute rating	NL/RL	LBF	3335/3107	3440/3211	4084/3791	4084/4798
			60 minute rating	NL/RL	LBF	1274/1083	1360/1167	2513/2245	3176/2886
41	Brake	Method of control	Service/parking		Hydraulic/mechanical				
		Method of operation	Service/parking		Foot/foot				
ELECTRIC	42	Battery	Type		Lead acid Thin Plate Pure Lead* Lithium-ion*				
					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
				VOLTS	36	48	48	80	
	43	Traction motor	60 minute rating	hp (kW)	24.7 (18.4)	24.7 (18.4)	31.6 (23.6)	31.6 (23.6)	
	44	Pump motor	15% rating	hp (kW)	16.6 (12.4)	22.4 (16.7)	31.8 (23.7)	32.2 (24)	
	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)	18.7 (475)				
	49	Floor height	Lowest point	in (mm)	30.4 (772)				
	50	Attachment relief pressure		psi (bar)	2250 (155)				
	51	Auxiliary oil flow	3rd and 4th function	gal/min (l/min)	11 (40)				
	52	Sound level	Measured per ANSI B56.11.5		dB (A)	60	60	65	65

* Optional with Hyster Power Collect™

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.

E70XN SPECIFICATIONS

GENERAL	1 Manufacturer			Hyster					
	2 Model designation			E70XN					
	3 Power			Electric					
4 Operation			Sit						
5 Rated capacity			lb (kg)	7000 (3175)					
6 Load center			in (mm)	24 (610)					
TIRES	7 Tire type - cushion, solid, pneumatic, etc.			Drive/steer	Cushion/cushion				
	8 Tire size			Drive/steer	in 21 x 9 x 15 / 16 x 7 x 10.5				
	9 Wheels - number	X=driven	Drive/steer	2x/2					
10 Tread	Tires	Std dr/wide dr/steer	in (mm)	36.6/39.9/37 (929/1013/940)					
11 Mast tilt			Std opt opt	degrees	5F/5B 10F/5B (5F/4B)				
12 Mast - lowered height			Std mast	in (mm)	83 (2085)				
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)	33/56 (855/1440)					
14 Lift height - top of fork	Std 2-stg limited free lift mast		in (mm)	118 (3009)					
15 Mast - extended height	Std mast with/without LBR		in (mm)	167/144 (4235/3655)					
16 Overhead guard height	Std/drive in rack/opt/opt flat plate		in (mm)	88.5/88.5/86.5/84.1 (2248/2248/2197/2137)					
17 Sip to bottom std OHG	Susp at mid-point Std/susp/swivel		in (mm)	38.3/37.4/37.3 (975/950/948)					
18 Tow pin height	Vertical center of pin		in (mm)	11 (280)					
19 Overall width	Standard tread/wide tread		in (mm)	45.6/48.9 (1158/1242)					
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)	38.5 (977)					
22 Floor to top of battery rollers			in (mm)	17.2 (436)					
23 Ground clearance	Lowest point		NL/RL	in (mm)	3.6/3.3 (91/85)				
	Center of truck		NL/RL	in (mm)	3.7/3.6 (94/92)				
24 Ground clearance	Center of wheel to face of forks		in (mm)	15.8 (402)					
25 Load distance	Height Without/with battery rollers		in (mm)	23.9/23.3 (607/593)					
26 Battery compartment	Width		in (mm)	39.1 (992)					
			Nominal SIZE	40"					
27 Length to face of forks	Length		in (mm)	40 (1015)					
	Chassis length		in (mm)	93.1 (2367)					
28 Wheelbase			in (mm)	60.8 (1545)					
29 Right angle stack			in (mm)	146.3 (3715)					
30 Equal aisle	90° Intersecting aisle		in (mm)	77.4 (1965)					
31 Outside turning radius			in (mm)	82.4 (2094)					
WT.	32 Truck weight	Without battery	NL	lb (kg)	7500 (3402)				
	33 Axle loading - drive	Static w/ max. wt. battery	NL/RL	lb (kg)	4868/16451 (2208/7462)				
	34 Axle loading - steer	Static w/ max. wt. battery	NL/RL	lb (kg)	7022/2439 (3185/1106)				
PERFORMANCE					STANDARD PERFORMANCE		POWERPLUS PERFORMANCE		
					VOLTS	36	48	48	80
	36 Travel speed	Extended shift off		NL/RL	mph (km/h)	10.6/9 (17/14.5)	11.3/11.3 (18.2/18.2)	12.3/12.6 (19.8/20.3)	12.3/12.3 (19.8/19.8)
		Extended shift on		NL/RL	mph (km/h)	9.4/8.1 (15.2/13.1)	10.3/9.3 (16.6/14.9)	12.2/12.1 (19.7/19.4)	12.2/11.9 (19.7/19.1)
	37 Lift speed	Std 2-stg LFL mast		NL/RL	ft/min (m/sec)	93/45 (0.47/0.23)	116/61 (0.59/0.31)	124/73 (0.63/0.37)	124/73 (0.63/0.37)
		Opt 2-stg FFL mast		NL/RL	ft/min (m/sec)	83/45 (0.42/0.23)	108/61 (0.55/0.31)	116/73 (0.59/0.37)	116/73 (0.59/0.37)
		Opt 3-stg FFL mast		NL/RL	ft/min (m/sec)	85/45 (0.43/0.23)	112/61 (0.57/0.31)	118/73 (0.6/0.37)	118/73 (0.6/0.37)
		Opt 4-stg FFL mast		NL/RL	ft/min (m/sec)	96/57 (0.49/0.29)	124/75 (0.63/0.38)	136/94 (0.69/0.48)	136/94 (0.69/0.48)
	38 Lower speed	Std 2-stg LFL mast		NL/RL	ft/min (m/sec)	91/114 (0.46/0.58)			
		Opt 2-stg FFL mast		NL/RL	ft/min (m/sec)	73/106 (0.37/0.54)			
		Opt 3-stg FFL mast		NL/RL	ft/min (m/sec)	79/0.5 (0.4/0.56)			
		Opt 4-stg FFL mast		NL/RL	ft/min (m/sec)	77/91 (0.39/0.46)			
	39 Gradeability	5 minute rating		NL/RL	%	29/17	29/18	36/19	37/25
		60 minute rating		NL/RL	%	10/6	11/6	21/11	27/14
	40 Drawbar pull	5 minute rating		NL/RL	LBF	3329/3089	3428/3201	4101/3744	4193/4745
60 minute rating		NL/RL	LBF	1269/1072	1355/1149	2502/2204	3165/2842		
41 Brake	Method of control		Service/parking	Hydraulic/mechanical					
	Method of operation		Service/parking	Foot/foot					
42 Battery	Type		Lead acid Thin Plate Pure Lead* Lithium-ion*						
					VOLTS	36	48	48	80
ELECTRIC	43 Traction motor	60 minute rating		hp (kW)	24.7 (18.4)	24.7 (18.4)	31.6 (23.6)	31.6 (23.6)	
	44 Pump motor	15% rating		hp (kW)	16.6 (12.4)	22.4 (16.7)	31.8 (23.7)	32.2 (24)	
	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)	18.7 (475)				
	49 Floor height	Lowest point		in (mm)	30.4 (772)				
	50 Attachment relief pressure			psi (bar)	2250 (155)				
	51 Auxiliary oil flow	3rd and 4th function		gal/min (l/min)	11 (40)				
	52 Sound level	Measured per ANSI B56.11.5		dB (A)	60	60	65	65	

* Optional with Hyster Power Collect™

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.

E45-55XN MAST DIMENSIONS

Maximum fork height (TOF)	Overall lowered height	Overall extended height		Free lift (TOF)		Approx. total wt. of standard equipped truck w/o battery		
		w/ load backrest	w/o load backrest	w/ load backrest	w/o load backrest	E45XN	E50XN	E55XN
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lb (kg)	lb (kg)	lb (kg)

2-STAGE LIMITED FREE LIFT (LFL) VISTA® PLUS MAST

125 (3192)	83 (2085)	174 (4415)	147 (3749)	5 (140)	5 (140)	6860 (3112)	7270 (3298)	6950 (3152)
133 (3392)	86 (2185)	182 (4615)	155 (3949)	5 (140)	5 (140)	7060 (3202)	7470 (3388)	7150 (3243)
137 (3492)	88 (2235)	186 (4715)	159 (4049)	5 (140)	5 (140)	7160 (3248)	7570 (3434)	7250 (3289)

2-STAGE FULL FREE LIFT (FFL) VISTA® MAST

126 (3202)	83 (2085)	175 (4425)	148 (3759)	33 (862)	60 (1528)	6960 (3157)	7370 (3343)	7050 (3198)
133 (3402)	86 (2185)	183 (4625)	155 (3959)	37 (964)	64 (1628)	7160 (3248)	7570 (3434)	7250 (3289)
137 (3502)	88 (2235)	186 (4725)	159 (4059)	39 (1012)	66 (1678)	7260 (3293)	7670 (3479)	7350 (3334)

3-STAGE FULL FREE LIFT (FFL) VISTA® PLUS MAST

189 (4800)	83 (2085)	238 (6023)	210 (5399)	33 (862)	60 (1546)	7460 (3384)	7870 (3570)	7550 (3425)
194 (4950)	85 (2135)	243 (6173)	216 (5489)	36 (917)	62 (1596)	7480 (3393)	7890 (3579)	7570 (3434)
200 (5100)	88 (2235)	249 (6323)	222 (5639)	39 (1012)	66 (1696)	7530 (3416)	7940 (3602)	7620 (3456)
218 (5550)	94 (2385)	267 (6773)	239 (6089)	45 (1162)	72 (1846)	7610 (3452)	8020 (3638)	7700 (3493)
236 (6000)	102 (2585)	285 (7223)	257 (6539)	53 (1362)	80 (2046)	7690 (3488)	8100 (3674)	7780 (3529)

4-STAGE FULL FREE LIFT (FFL) VISTA® MAST

240 (6098)	84 (2133)	289 (7321)	263 (6678)	35 (910)	61 (1553)	8000 (3629)	8410 (3815)	8090 (3670)
252 (6404)	88 (2235)	301 (7627)	275 (6984)	39 (1012)	65 (1655)	8070 (3660)	8480 (3846)	8160 (3701)
264 (6710)	92 (2336)	313 (7933)	287 (7290)	43 (1113)	69 (1756)	8140 (3692)	8550 (3878)	8230 (3733)

E60-70XN MAST DIMENSIONS

Maximum fork height (TOF)	Overall lowered height	Overall extended height		Free lift (TOF)		Approx. total wt. of standard equipped truck w/o battery		
		w/ load backrest	w/o load backrest	w/ load backrest	w/o load backrest	E60XN	E65XN	E70XN
in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lb (kg)	lb (kg)	lb (kg)

2-STAGE LIMITED FREE LIFT (LFL) VISTA® PLUS MAST

118 (3009)	83 (2085)	167 (4237)	143 (3654)	5 (150)	5 (150)	7570 (3434)	7750 (3515)	7850 (3561)
126 (3209)	86 (2185)	175 (4437)	151 (3854)	5 (150)	5 (150)	7640 (3465)	7820 (3547)	7920 (3592)
130 (3309)	88 (2235)	179 (4537)	155 (3954)	5 (150)	5 (150)	7720 (3502)	7900 (3583)	8000 (3629)

2-STAGE FULL FREE LIFT (FFL) VISTA® MAST

118 (3010)	83 (2085)	167 (4237)	144 (3655)	33 (857)	56 (1440)	7630 (3461)	7810 (3543)	7910 (3588)
126 (3210)	86 (2185)	175 (4437)	151 (3855)	37 (957)	60 (1540)	7670 (3479)	7850 (3561)	7950 (3606)
130 (3310)	88 (2235)	179 (4537)	155 (3955)	39 (1007)	62 (1590)	7810 (3543)	7990 (3624)	8090 (3670)

3-STAGE FULL FREE LIFT (FFL) VISTA® PLUS MAST

175 (4468)	83 (2085)	225 (5696)	200 (5095)	33 (857)	57 (1458)	8050 (3651)	8230 (3733)	8330 (3778)
181 (4618)	85 (2135)	231 (5846)	206 (5245)	35 (907)	59 (1508)	8150 (3697)	8330 (3778)	8430 (3824)
187 (4768)	88 (2235)	237 (5996)	212 (5395)	39 (1007)	63 (1608)	8240 (3738)	8420 (3819)	8520 (3865)
205 (5218)	94 (2385)	254 (6446)	230 (5845)	45 (1157)	69 (1758)	8310 (3769)	8490 (3851)	8590 (3896)
223 (5668)	102 (2585)	272 (6896)	248 (6295)	53 (1357)	77 (1958)	8410 (3815)	8590 (3896)	8690 (3942)

4-STAGE FULL FREE LIFT (FFL) VISTA® MAST

240 (6098)	84 (2133)	289 (7321)	263 (6678)	35 (910)	61 (1553)	8510 (3860)	8690 (3942)	8790 (3987)
252 (6404)	88 (2235)	301 (7627)	275 (6984)	39 (1012)	65 (1655)	8580 (3892)	8760 (3973)	8860 (4019)
264 (6710)	92 (2336)	313 (7933)	287 (7290)	43 (1113)	69 (1756)	8650 (3924)	8830 (4005)	8930 (4051)

E45-70XN BATTERY SPECIFICATIONS

BATTERY AND COMPARTMENT SPECIFICATIONS											
Truck model	Width	Length	Height	"X"	"Y"	"Z"	Volts	No. of cells	Max capacity 6 hour rate	Weight	
										Min	Max
	in (mm)								amp hr (kwh)	lb (kg)	
E45-50XN 27" compartment	39.1 (992)	27.6 (700)	23.9 (607)	38.7 (983)	27.2 (691)	23.5 (597)	36	18	1100 (38.3)	2300 (1050)	3300 (1500)
							48	24	800 (37.2)		
							80	40	375 (29.3)		
E45-50XN 30" compartment	39.1 (992)	30.9 (786)	23.9 (607)	38.7 (983)	30.6 (777)	23.5 (597)	36	18	1200 (41.9)	2500 (1150)	3500 (1600)
							48	24	900 (42)		
							80	40	400 (31.2)		
E45-60XN 33" compartment	39.1 (992)	33.3 (847)	23.9 (607)	38.7 (983)	33 (838)	23.5 (597)	36	18	1300 (45.4)	2900 (1320)	3900 (1770)
							48	24	1000 (46.6)		
							80	40	450 (35.1)		
E65XN 36" compartment	39.1 (992)	36.7 (933)	23.9 (607)	38.7 (983)	36.4 (924)	23.5 (597)	36	18	1500 (52.4)	3100 (1410)	4100 (1860)
							48	24	1100 (51.1)		
							80	40	600 (46.8)		
E65-70XN 40" compartment	39.1 (992)	40 (1015)	23.9 (607)	38.7 (983)	39.6 (1006)	23.5 (597)	36	18	1600 (55.8)	3400 (1550)	4400 (2000)
							48	24	1200 (55.9)		
							80	40	600 (46.8)		

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 23.3" (593mm) & max battery height to 23.0" (583mm)

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 - gray SB[®]350 (Anderson Power Products[®] P/N 6320G1 or equivalent)

48-volt - blue SB[®]350 (Anderson Power Products[®] P/N 6321g1 or equivalent)

80-volt - black SBE[®]320 (Anderson Power Products[®] P/N E6363G1 or equivalent)

Battery lead: length 20" (508 mm), position "B", 2/0 AWG

Battery notes - Rapid/fast charging (BARFBC)

Note: A site survey is required to confirm your application is a candidate for rapid charge and to determine the battery and charger specifications required.

Contact your battery and charger supplier.

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" (635 mm), position "b", minimum cable size 3/0 AWG

PERFORMANCE	STD	OPT
36-volt electrical system	x	
Standard performance	x	
AC traction and pump motors (completely brushless)	x	
Transistor drive and pump control	x	
Advanced VSM (vehicle system manager)	x	
Progressive thermal management system	x	
48 or 80-volt electrical system		x
PowerPlus Performance (N/A with 36-volt)		x
DRIVE	STD	OPT
Smooth tread rubber drive tire and steer tire	x	
Non-marking, rubber, or lug tread tires		x
Wide tread tires		x
LIFT	STD	OPT
2-stage limited free lift (LFL) VISTA®PLUS mast* with maximum fork height of 125" (3192mm) (E45-55XN) or 118" (4800mm) (E60-70XN)	x	
5° forward and 5° back mast tilt	x	
2-stage full free lift (FFL) VISTA® mast*		
3-stage full free lift (FFL) VISTA®PLUS mast*		x
4-stage full free lift (FFL) VISTA® mast*		
Mast tilt option – 10° forward/5° back		x
Mast tilt option – 5° forward/4° back		x
Return to set tilt		x
Accumulator		x
Load weight indicator		x
HANDLING	STD	OPT
38.5" (980mm) wide Class II (E45-55XN) or Class III (E60-70XN) hook-type carriage with 38.5" (980 mm) high load backrest extension	x	
42" (1067mm) long forks	x	
Carriage with integral sideshift		x
Carriage with integral sideshifting fork positioner		x
Attachment carriages		x
ERGONOMICS	STD	OPT
12" steering wheel with integral spinner knob	x	
Non-suspension vinyl seat	x	
Black, non-cinch seat belt with Emergency Locking Retractor	x	
Foot applied/hand released park brake	x	
Power assist braking	x	
MONOTROL® foot direction control	x	
Auto Deceleration System (ADS) with regenerative braking	x	
Multifunction display		
– Battery state of charge with low battery lift interrupt		
– Hour meter	x	
– Performance mode indicator		
– Fault indicator		
– 4 operator selectable, programmable performance modes		
Easy ingress/egress with low step height and contoured handhold	x	
Operator convenience station - storage areas, beverage & clipboard holders	x	
Adjustable tilt steering column with low profile cowl	x	
Cushioned floor mat	x	
Seatside power disconnect button	x	
TouchPoint electro-hydraulic mini-lever controls with fully adjustable armrest		x
Non-suspension seat (cloth)		x
Full-suspension seat (vinyl or cloth)		x
Full-suspension swivel seat (vinyl or cloth)		x
Seatside directional control		x
Automatic electro-mechanical park brake		x

ERGONOMICS (continued)	STD	OPT
Telescopic steering column with tilt memory		x
Key switch controlled lights		x
Rear drive handle with integrated horn button		x
Mirrors – rear view or panoramic		x
Synchronous steering		x
Red, high-visibility, non-cinch seat belt with or without start interlock		x
Low mount display		x
OPERATION	STD	OPT
Battery compartment size		
– 27" (E45-50XN)		
– 33" (E55-60XN)	x	
– 36" (E65XN)		
– 40" (E70XN)		
Lift out battery extraction	x	
Standard construction	x	
UL Classification Type "E"	x	
Key switch start	x	
88.5" grid style overhead guard	x	
3-function hydraulic control valve with seatside mechanical levers	x	
Fully integrated CANbus communication	x	
On-demand power steering	x	
Hyster Stability System (HSS®)	x	
Static strap	x	
Tow pin	x	
On-board software: program, test & diagnose; password protected	x	
Electronic horn with integral relay (long life/no adjustments)	x	
Side extraction battery removal with rollers		x
Rapid/fast charge		x
Cooler/freezer package—operating temp: -20°F to +120°F		x
UL Classification Type "EE"		x
4-function hydraulic control valve		x
86.5" grid style overhead guard		x
84.1" flat plate overhead guard		x
88.5" drive-in rack grid style overhead guard		x
Keyless start (with auxiliary key switch)		x
LED and halogen work light packages		x
LED dome/reading light		x
Basic & premium LED brake/tail/back-up light packages		x
Audible alarm – reverse operation (manually adjustable to 87, 97 or 102 dB)		x
Visible amber strobe light - continuous activated, overhead guard mounted		x
Impact monitor		x
Operator password		x
Operator daily checklist		x
System monitor – hydraulic low fluid level indicator and hydraulic filter service indicator		x
Hydraulic attachment extension tubes with quick disconnect fittings		x
Fire extinguisher – 2.5 lb dry chemical		x
Hyster Reaction™		x
SUPPLEMENTAL	STD	OPT
12 month/2,000 hour full truck warranty	x	
36 month/6,000 hour powertrain warranty	x	
Operating manual	x	
ENERGY SYSTEM	STD	OPT
Lead acid	x	
Hyster Power Collect™		x

* For more information, refer to the VISTA®PLUS mast brochure.



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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/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.