

J330XD48-400XD SERIES

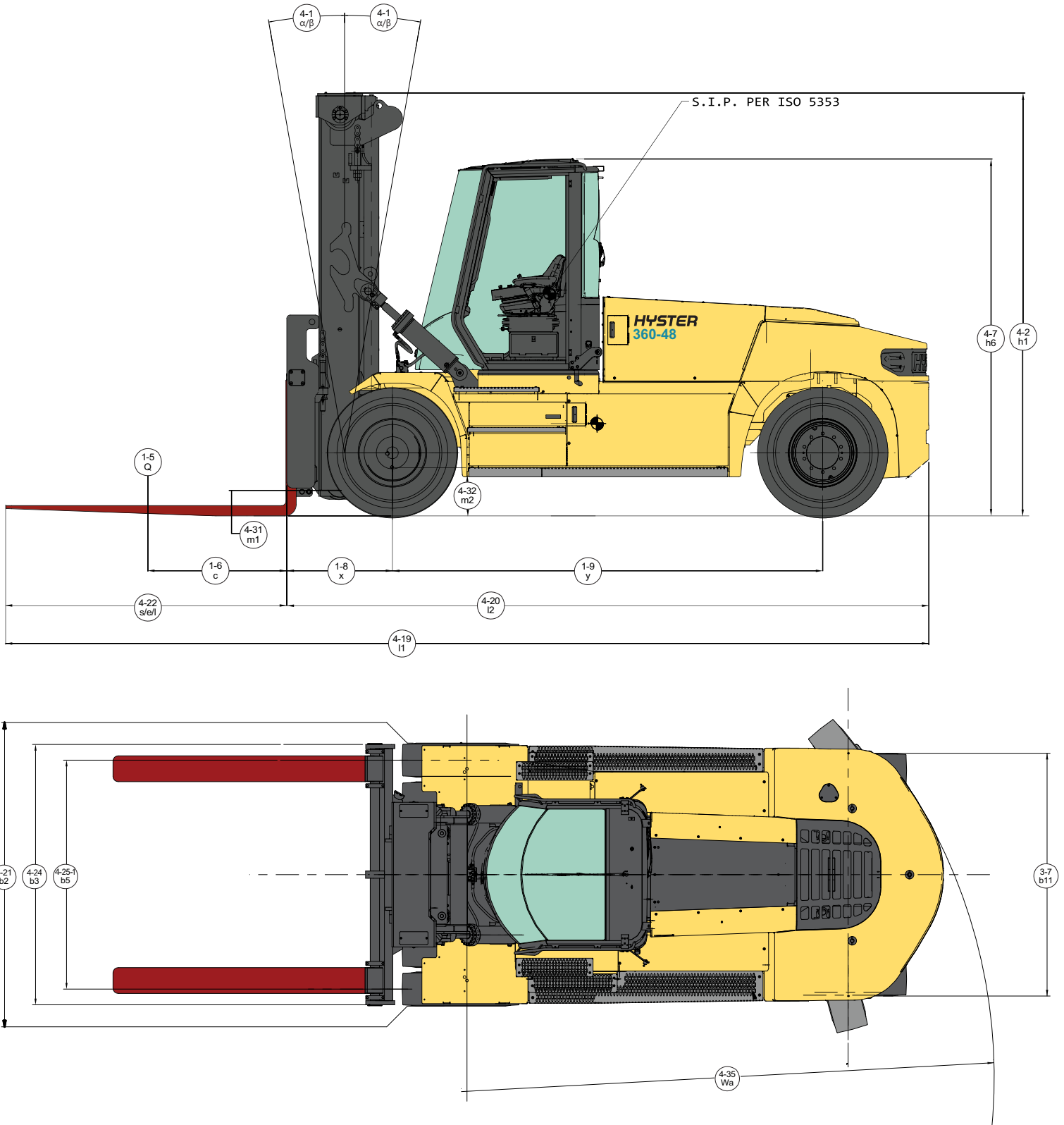


HIGH-CAPACITY ELECTRIC FORKLIFTS
PRODUCT TECHNICAL GUIDE

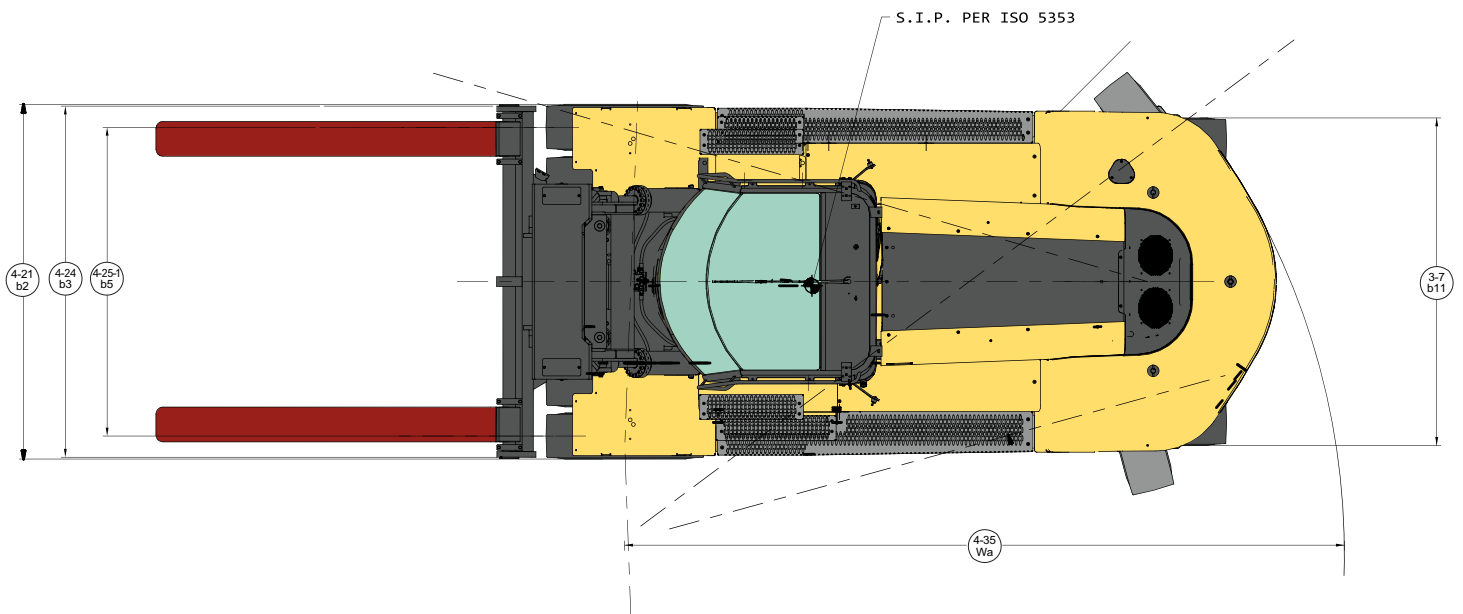
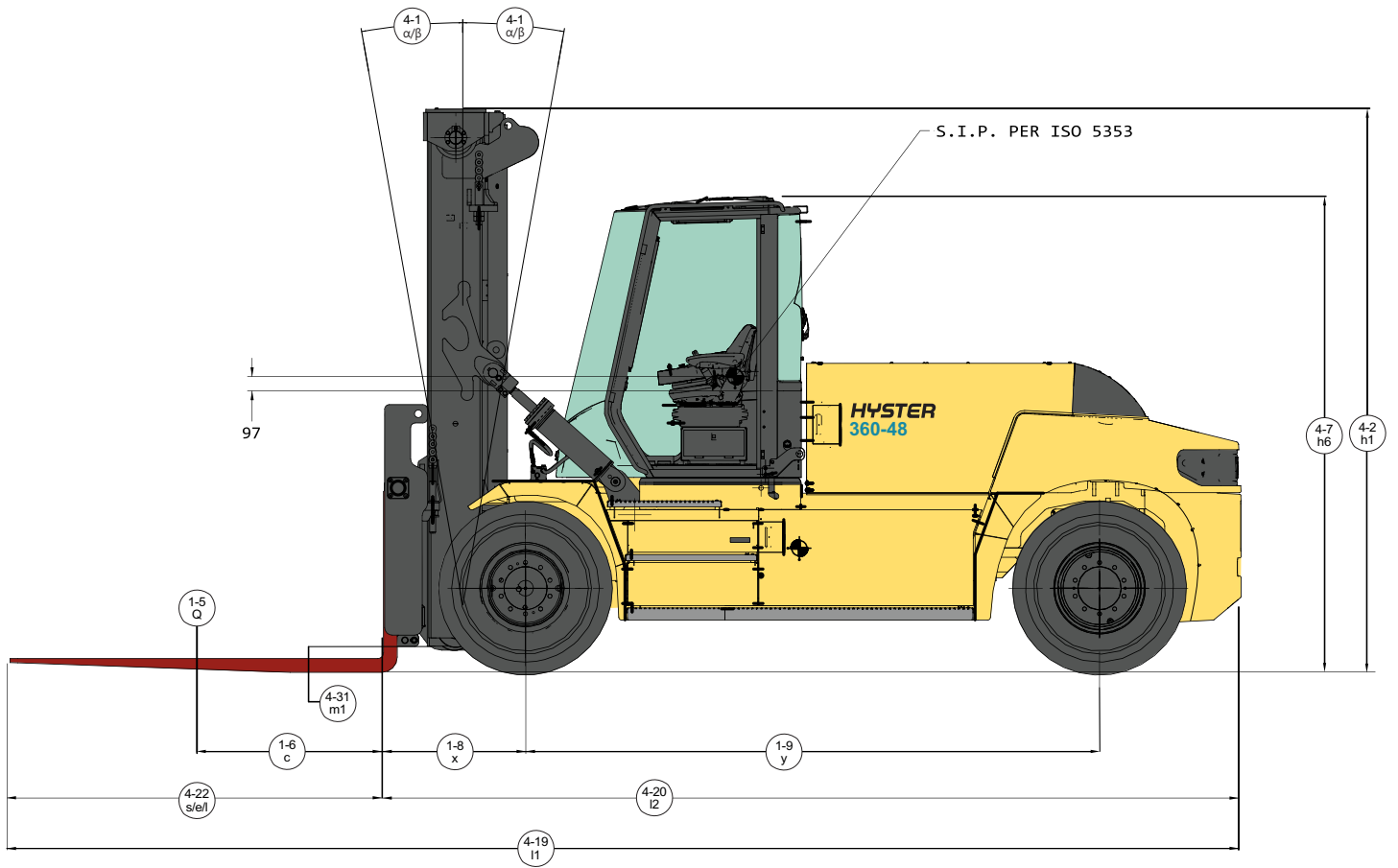


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NORMAL HOOD SPINE DIMENSIONS



RAISED HOOD SPINE DIMENSIONS



J330XD48 | J360XDS36 | J360XDS48 SPECIFICATIONS

GENERAL	1-1		HYSTER				HYSTER				HYSTER						
	1-2		J330XD48				J360XDS36				J360XDS48						
1-3	Powertrain / drivetrain		Electric				Electric				Electric						
	1-4		Seated				Seated				Seated						
GENERAL	1-5	Rated load capacity	Q	lb	kg	33,000	14,969	36,000	16,330	36,000	16,330	36,000	16,330				
	1-6	Load center	c1	in	mm	48	1,219	36	914	48	1,219	48	1,219				
	1-8	Load distance	x	in	mm	37.0	941	37.0	941	37.0	941	37.0	941				
	1-9	Wheelbase	y	in	mm	138	3,500	138	3,500	138	3,500	138	3,500				
	WEIGHTS	2-1	Total truck weight without load		lb	kg	49,732	22,558	48,189	21,858	52,377	23,758	52,377	23,758			
2-2		Axle loading with load, front / rear		lb	kg	76,101	6,632	34,519	3,008	78,035	6,153	35,396	2,791	80,912	7,465	36,701	3,386
2-3		Axle loading without load, front / rear		lb	kg	22,734	26,998	10,312	12,246	22,952	25,239	10,411	11,448	22,692	29,685	10,293	13,465
WHEELS	3-1	Tire type		Type				Pneumatic				Pneumatic					
	3-2	Tire size, front		12.00-20 20PR				12.00-20 20PR				12.00-20 20PR					
	3-3	Tire size, rear		12.00-20 20PR				12.00-20 20PR				12.00-20 20PR					
	3-5	Number of tires, front / rear (X driven)		#				x4/2				x4/2					
	3-6	Tread width, front	b10	in	mm	72.6	1,844	72.6	1,844	72.6	1,844	72.6	1,844				
3-7	Tread width, rear	b11	in	mm	79.5	2,020	79.5	2,020	79.5	2,020	79.5	2,020					
DIMENSIONS	4-1	Mast tilt, forward / back		α/β				15°F / 10°B				15°F / 10°B					
	4-2	Height of mast lowered	h1	in	mm	146	3,703	146	3,703	146	3,703	146	3,703				
	4-3	Freelift	h2	in	mm	0	0	0	0	0	0	0	0				
	4-4	Lift height (top of fork)	h3	in	mm	156	3,984	156	3,984	156	3,984	156	3,984				
	4-4-1	Lift height (bottom of fork)		in	mm	153	3,884	153	3,884	153	3,884	153	3,884				
	4-5	Height, extended	h4	in	mm	223	5,645	223	5,645	223	5,645	223	5,645				
	4-7	Height to top of operator compartment (open cab)	h6	in	mm	121	3,083	121	3,083	121	3,083	121	3,083				
	4-7-1	Height, top of operator comp (closed cab)	h6	in	mm	122	3,110	122	3,110	122	3,110	122	3,110				
	4-7-2	Height, top of operator comp (closed cab w/ airco)	h6	in	mm	122	3,110	122	3,110	122	3,110	122	3,110				
	4-7-3	Height, top of operator comp (closed cab w/ strobe light)	h6	in	mm	126	3,205	126	3,205	126	3,205	126	3,205				
	4-7-4	Height, top of operator comp (closed cab w/ work lights)	h6	in	mm	127	3,229	127	3,229	127	3,229	127	3,229				
	4-7-5	Height, top of operator comp (closed cab w/ airco & strobe)		in	mm	127	3,235	127	3,235	127	3,235	127	3,235				
	4-8	Seat height to seat point index (SIP)	h7	in	mm	75	1,903	75	1,903	75	1,903	75	1,903				
	4-12	Tow coupler height	h10	in	mm	27	689	27	689	27	689	27	689				
	4-19	Overall length	l1	in	mm	307	7,801	307	7,801	308	7,818	308	7,818				
	4-20	Length to load face	l2	in	mm	211	5,366	211	5,366	212	5,383	212	5,383				
	4-21	Overall width of truck	b2	in	mm	98	2,498	98	2,498	98	2,498	98	2,498				
	4-22	Fork dimension	s/e/l	in	mm	3.9 / 8 / 96	100 / 200 / 2,435	3.9 / 8 / 96	100 / 200 / 2,435	3.9 / 8 / 96	100 / 200 / 2,435	3.9 / 8 / 96	100 / 200 / 2,435				
	4-23	Fork carriage type		Type				Standard pin type carriage				Standard pin type carriage					
	4-24	Carriage width	b3	in	mm	100.0	2,540	100.0	2,540	100.0	2,540	100.0	2,540				
	4-25-1	Fork spread, min (in-in)	b5	in	mm	6.9	175	6.9	175	6.9	175	6.9	175				
	4-25-2	Fork spread, max (out-out)	b5	in	mm	96.3	2,445	96.3	2,445	96.3	2,445	96.3	2,445				
	4-30	Sideshift	b8	in	mm	0	0	0	0	0	0	0	0				
	4-31	Ground clearance, under mast with load	m1	in	mm	8.9	225	8.9	225	8.9	225	8.9	225				
	4-32	Ground clearance, center of wheelbase	m2	in	mm	13.4	341	13.4	341	13.4	341	13.4	341				
	4-34	Minimum aisle width (add load length & clearance)	Ast	in	mm	229	5,815	229	5,815	229	5,815	229	5,815				
	4-35	Outside turning radius	Wa	in	mm	192	4,874	192	4,874	192	4,874	192	4,874				
	4-36	Inner turning radius	b13	in	mm	71.0	1,803	71.0	1,803	71.0	1,803	71.0	1,803				
PERFORMANCE	5-1	Travel speed, with / without load		mph	km/h	15	15	25	25	15	15	25	25				
	5-2	Lifting speed, with / without load		ft/min	m/s	77	87	0.39	0.44	77	87	0.39	0.44				
	5-3	Lowering speed, with / without load		ft/min	m/s	106	89	0.54	0.45	106	89	0.54	0.45				
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		lb	kN	4,900	6,200	30	32	4,800	6,200	29	32				
	5-6	Drawbar pull - max, with / without load		lb	kN	12,200	13,400	62	64	12,100	13,500	62	64				
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load		%		8	15	8	15	8	15	7	14				
	5-8	Gradeability - max, with / without load		%		17	30	17	31	16	28	16	28				
	ELECTRIC	6-1	Drive motor rating, S2 60 min		kW		46		46		46		46				
6-2		Lift motor rating at S3 15%		kW		165		165		165		165					
6-3		Battery type		Type				Li-ion				Li-ion					
6-4-1		Battery capacity - 2 battery packs		kWh		139		139		139		139					
6-4-1		Battery voltage / nominal capacity - 2 battery packs		V / Ah		363	384	363	384	363	384	363	384				
6-4-2		Battery capacity - 3 battery packs		kWh		209		209		209		209					
6-4-2		Battery voltage / nominal capacity - 3 battery packs		V / Ah		363	576	363	576	363	576	363	576				
6-4-3		Battery capacity - 4 battery packs		kWh		N/A		N/A		N/A		N/A					
6-4-3		Battery voltage / nominal capacity - 4 battery packs		V / Ah		N/A		N/A		N/A		N/A					
6-5-1		Battery weight - 2 battery packs		lb	kg	3,774	1,712	3,774	1,712	3,774	1,712	3,774	1,712				
6-5-2	Battery weight - 3 battery packs		lb	kg	3,867	1,754	3,867	1,754	3,867	1,754	3,867	1,754					
6-5-3	Battery weight - 4 battery packs		lb	kg	N/A		N/A		N/A		N/A						
DRIVE	8-1	Type of drive unit		Type / #				AC Electric				AC Electric					
	8-3	Wheel drive / drive axle manufacturer / type		Type				Kessler / D81				Kessler / D81					
	8-4	Service brake		Type				Oil immersed (wet) disc				Oil immersed (wet) disc					
	8-5	Parking brake		Type				Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle					
	MISC	10-1	Working pressure for attachments		psi	MPa	2,828	19.5	2,828	19.5	2,828	19.5	2,828	19.5			
10-2		Oil volume for attachments		gpm	l/m	26.4	100	26.4	100	26.4	100	26.4	100				
10-3		Hydraulic oil tank, capacity		gal	l	28.8	109	28.8	109	28.8	109	28.8	109				
10-5		Steering design		Type				Hydraulic power steering				Hydraulic power steering					
10-6		Number of steering rotations		#				5.0				5.0					
10-8	Towing coupling, type DIN		Type				Yes / Pin				Yes / Pin						

(1) Laden/unladen travel speed limited to 15.5 mph (25 km/h) from the factory
 (2) Peak power

J400XD | J360XD36 | J360XD48 SPECIFICATIONS

GENERAL	1-1		HYSTER				HYSTER				HYSTER			
	Manufacturer		J400XD				J360XD36				J360XD48			
WEIGHTS	1-2		Electric				Electric				Electric			
	Model designation		Seated				Seated				Seated			
WHEELS	1-3		40,000				36,000				36,000			
	Powertrain / drivetrain		18,144				16,330				16,330			
DIMENSIONS	1-4		24				36				48			
	Operator type		610				914				1,219			
PERFORMANCE	1-5		37.0				37.0				37.0			
	Rated load capacity		3,500				3,750				3,750			
ELECTRIC	1-6		46,361				46,573				50,451			
	Load center		21,029				21,125				22,884			
DRIVE	1-8		80,387				76,716				79,710			
	Load distance		5,975				5,855				6,742			
MISC	1-9		22,666				22,906				22,972			
	Wheelbase		10,281				10,749				10,420			
ELECTRIC	2-1		Pneumatic				Pneumatic				Pneumatic			
	Total truck weight without load		12.00-20 20PR				12.00-20 20PR				12.00-20 20PR			
DRIVE	2-2		15°F / 10°B				15°F / 10°B				15°F / 10°B			
	Axle loading with load, front / rear		80,387				76,716				79,710			
MISC	2-3		22,666				22,906				22,972			
	Axle loading without load, front / rear		10,281				10,749				10,420			
ELECTRIC	3-1		72.6				72.6				72.6			
	Tire type		1,844				1,844				1,844			
DRIVE	3-2		79.5				79.5				79.5			
	Tire size, front		2,020				2,020				2,020			
MISC	3-3		79.5				79.5				79.5			
	Tire size, rear		2,020				2,020				2,020			
ELECTRIC	3-5		x4/2				x4/2				x4/2			
	Number of tires, front / rear (X driven)		72.6				72.6				72.6			
DRIVE	3-6		15°F / 10°B				15°F / 10°B				15°F / 10°B			
	Tread width, front		156				156				156			
ELECTRIC	3-7		156				156				156			
	Tread width, rear		3,984				3,984				3,984			
ELECTRIC	4-1		153				153				153			
	Mast tilt, forward / back		3,884				3,884				3,884			
ELECTRIC	4-2		223				223				223			
	Height of mast lowered		5,645				5,645				5,645			
ELECTRIC	4-3		121				121				121			
	Freelift		3,083				3,083				3,083			
ELECTRIC	4-4		122				122				122			
	Lift height (top of fork)		3,110				3,110				3,110			
ELECTRIC	4-4-1		122				122				122			
	Lift height (bottom of fork)		3,110				3,110				3,110			
ELECTRIC	4-5		126				126				126			
	Height, extended		3,205				3,205				3,205			
ELECTRIC	4-7		127				127				127			
	Height to top of operator compartment (open cab)		3,229				3,229				3,229			
ELECTRIC	4-7-1		127				127				127			
	Height, top of operator comp (closed cab)		3,235				3,235				3,235			
ELECTRIC	4-7-2		75				75				75			
	Height, top of operator comp (closed cab w/ airco)		1,903				1,903				1,903			
ELECTRIC	4-7-3		27				27				27			
	Height, top of operator comp (closed cab w/ strobe light)		689				689				689			
ELECTRIC	4-7-4		317				317				317			
	Height, top of operator comp (closed cab w/ work lights)		8,051				8,051				8,051			
ELECTRIC	4-7-5		221				221				221			
	Height, top of operator comp (closed cab w/ airco & strobe)		5,616				5,616				5,616			
ELECTRIC	4-8		98				98				98			
	Seat height to seat point index (SIP)		2,498				2,498				2,498			
ELECTRIC	4-12		3.9 / 8 / 96				3.9 / 8 / 96				3.9 / 8 / 96			
	Tow coupler height		100 / 200 / 2,435				100 / 200 / 2,435				100 / 200 / 2,435			
ELECTRIC	4-19		Standard pin type carriage				Standard pin type carriage				Standard pin type carriage			
	Overall length		100.0				100.0				100.0			
ELECTRIC	4-20		2,540				2,540				2,540			
	Length to load face		6.9				6.9				6.9			
ELECTRIC	4-21		96.3				96.3				96.3			
	Overall width of truck		2,445				2,445				2,445			
ELECTRIC	4-30		0				0				0			
	Sideshift		0				0				0			
ELECTRIC	4-31		8.9				8.9				8.9			
	Ground clearance, under mast with load		225				225				225			
ELECTRIC	4-32		13.4				13.4				13.4			
	Ground clearance, center of wheelbase		341				341				341			
ELECTRIC	4-34		229				241				241			
	Minimum aisle width (add load length & clearance)		5,815				6,126				6,126			
ELECTRIC	4-35		192				204				204			
	Outside turning radius		4,874				5,185				5,185			
ELECTRIC	4-36		71.0				78.6				78.6			
	Inner turning radius		1,803				1,996				1,996			
ELECTRIC	5-1		15				15				15			
	Travel speed, with / without load		15				15				15			
ELECTRIC	5-2		73				77				77			
	Lifting speed, with / without load		87				87				87			
ELECTRIC	5-3		106				106				106			
	Lowering speed, with / without load		89				89				89			
ELECTRIC	5-5		4,800				4,900				4,700			
	Drawbar pull - 1 mph (1.6 km/h), with / without load		6,300				6,300				6,100			
ELECTRIC	5-6		12,000				12,100				12,000			
	Drawbar pull - max, with / without load		13,500				13,500				13,400			
ELECTRIC	5-7		8				8				8			
	Gradeability - 1 mph (1.6 km/h), with / without load		16				16				16			
ELECTRIC	5-8		16				17				16			
	Gradeability - max, with / without load		33				32				30			
ELECTRIC	6-1		46				46				46			
	Drive motor rating, S2 60 min		165				165				165			
ELECTRIC	6-2		Li-ion				Li-ion				Li-ion			
	Lift motor rating at S3 15%		139				139				139			
ELECTRIC	6-3		363				363				363			
	Battery type		384				384				384			
ELECTRIC	6-4-1		209				209				209			
	Battery capacity - 2 battery packs		N/A				279				279			
ELECTRIC	6-4-2		363				363				363			
	Battery capacity - 3 battery packs		576				576				576			
ELECTRIC	6-4-3		N/A				363				363			
	Battery capacity - 4 battery packs		N/A				768				768			
ELECTRIC	6-5-1		2,937				2,937				2,937			
	Battery voltage / nominal capacity - 2 battery packs		1,332				1,332				1,332			
ELECTRIC	6-5-2		3,867				3,867				3,867			
	Battery weight - 2 battery packs		1,754				1,754				1,754			
ELECTRIC	6-5-3		N/A				5,062				5,062			
	Battery weight - 3 battery packs		N/A				2,296				2,296			
ELECTRIC	6-5-3		N/A				5,062				5,062			
	Battery weight - 4 battery packs		N/A				2,296				2,296			
ELECTRIC	8-1		AC Electric				AC Electric				AC Electric			
	Type of drive unit		Kessler / D81				Kessler / D81				Kessler / D81			
ELECTRIC	8-3		Oil immersed (wet) disc				Oil immersed (wet) disc				Oil immersed (wet) disc			
	Wheel drive / drive axle manufacturer / type		Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle			
ELECTRIC	8-4		Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle			
	Service brake		Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle			
ELECTRIC	8-5		2,828				2,828				2,828			
	Parking brake		19.5				19.5				19.5			
ELECTRIC	10-1		26.4				26.4				26.4			
	Working pressure for attachments		100				100				100			
ELECTRIC	10-2		28.8				28.8				28.8			
	Oil volume for attachments		109				109				109			
ELECTRIC	10-3		Hydraulic power steering				Hydraulic power steering				Hydraulic power steering			
	Hydraulic oil tank, capacity		5.0				5.0				5.0			
ELECTRIC	10-5		Yes / Pin				Yes / Pin				Yes / Pin			
	Steering design		Yes / Pin				Yes / Pin				Yes / Pin			
ELECTRIC	10-6		Yes / Pin				Yes / Pin				Yes / Pin			
	Number of steering rotations		Yes / Pin				Yes / Pin				Yes / Pin			
ELECTRIC	10-8		Yes / Pin				Yes / Pin				Yes / Pin			
	Towing coupling, type DIN		Yes / Pin				Yes / Pin				Yes / Pin			

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 (2) Peak power

BATTERY AND CAPACITY SPECIFICATIONS

BATTERY SPECIFICATIONS

J330XD48-400XD BATTERY CHARGER SPECIFICATIONS

Input voltage	Charge rate (kW)	Enclosure size						Charger plug cable length		Operating range		Manufacturer
		Height		Width		Thickness		ft	M	F	C	
		in	mm	in	mm	in	mm					
480V, 3 PHASE, 60HZ	90	65	1654	72	1822	20	503	25	7.62	-4° to 122°	-20° to 50°	BORG WARNER

Wall power cable is not included. The charger has an enclosure rating of IP54 and is equipped with emergency stop and anti-arc.

The battery charge time and run time tables are a helpful guide to visualize the truck run time with different batteries in different applications. (The tables are a guide only and not a replacement for a site survey and full power study.)

- Heavy** – High throughput, typically runs full capacity, runs either attachments or has high lifts
- Medium** – High throughput, runs near capacity without attachments or high lifts
- Light** – Lower throughput, runs less than rated capacity without attachments or high lifts

J330XD48-400XD BATTERY CHARGE TIME

Battery capacity (kWh)	Charger power (kW)	Time to full charge (minutes)
68.7	50	82
137.4	50	165
137.4	80	103
137.4	90	92
206.1	50	247
206.1	80	155
206.1	90	137
274.8	50	330
274.8	80	206
274.8	90	183

J330XD48-400XD BATTERY RUN TIME (HOURS)

Battery capacity (kWh)	Light application (14.5 kW/h)	Normal application (21.8 kW/h)	Heavy application (29 kW/h)
137.4	9.5	6.3	4.7
206.1	14.2	9.5	7.1
274.8	19.0	12.6	9.5

CAPACITY SPECIFICATIONS

RATED CAPACITY: J330XD48 @ 48 IN (1220 MM) LOAD CENTER

2-STAGE NFL	Lift height TOF		Lift height BOF		Overall lowered height		Overall extended height		Mast weight		Standard pin type carriage		Apron pin type carriage		Integral DFSSFP carriage	
											J330XD48		J330XD48		J330XD48	
	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg
156	3,984	152	3,884	121	3,680	174	5,622	4,209	2,525	33,000	14,969	31,967	14,500	31,967	14,500	
180	4,594	176	4,494	126	3,985	183	6,232	4,339	2,599	33,000	14,969	31,967	14,500	31,967	14,500	
212	5,406	208	5,306	131	4,391	193	7,044	4,464	2,676	33,000	14,969	31,967	14,500	31,967	17,222	
244	6,219	240	6,119	136	4,798	203	7,858	4,597	2,751	32,400	14,696	31,300	14,197	30,200	13,698	

RATED CAPACITY: J400XD @ 24 IN (610 MM) LOAD CENTER

2-STAGE NFL	Lift height TOF		Lift height BOF		Overall lowered height		Overall extended height		Mast weight		Standard pin type carriage		Apron pin type carriage		Integral DFSSFP carriage	
											J400XD		J400XD		J400XD	
	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg
156	3,984	152	3,884	121	3,680	174	5,622	4,209	2,525	40,000	18,144	39,683	18,000	39,683	18,000	
180	4,594	176	4,494	126	3,985	183	6,232	4,339	2,599	40,000	18,144	39,683	18,000	39,683	18,000	
212	5,406	208	5,306	131	4,391	193	7,044	4,464	2,676	40,000	18,144	39,683	18,000	39,600	17,962	
244	6,219	240	6,119	136	4,798	203	7,858	4,597	2,751	39,200	17,781	39,200	17,781	31,600	14,334	

RATED CAPACITY: J360XD(S)36 @ 36 IN (910 MM) LOAD CENTER

2-STAGE NFL	Lift height TOF		Lift height BOF		Overall lowered height		Overall extended height		Mast max roller lap (retracted)		Mast max roller lap (extended)		Mast weight		Standard pin type carriage				Apron pin type carriage				Integral DFSSFP carriage			
															J360XDS36		J360XD36		J360XDS36		J360XD36		J360XDS36		J360XD36	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
156	3,984	152	3,884	121	3,680	174	5,622	99	2,520	47	1,190	4,209	2,525	36,000	16,329	36,000	16,329	35,274	16,000	35,274	16,000	36,000	16,329	36,000	16,329	
180	4,594	176	4,494	126	3,985	183	6,232	104	2,645	47	1,190	4,339	2,599	36,000	16,329	36,000	16,329	35,274	16,000	35,274	16,000	36,000	16,329	36,000	16,329	
212	5,406	208	5,306	131	4,391	193	7,044	109	2,770	47	1,190	4,464	2,676	36,000	16,329	36,000	16,329	35,274	16,000	35,274	16,000	36,000	16,329	36,000	16,329	
244	6,219	240	6,119	136	4,798	203	7,858	114	2,895	47	1,190	4,597	2,751	35,300	16,012	35,300	16,012	35,100	15,921	35,100	15,921	31,000	14,061	31,300	14,197	

RATED CAPACITY: J360XD(S)48 @ 48 IN (1220 MM) LOAD CENTER

2-STAGE NFL	Lift height TOF		Lift height BOF		Overall lowered height		Overall extended height		Mast max roller lap (retracted)		Mast max roller lap (extended)		Mast weight		Standard pin type carriage				Apron pin type carriage				Integral DFSSFP carriage			
															J360XDS48		J360XD48		J360XDS48		J360XD48		J360XDS48		J360XD48	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
156	3,984	152	3,884	121	3,680	174	5,622	99	2,520	47	1,190	4,209	2,525	36,000	16,329	36,000	16,329	34,833	15,800	34,833	15,800	36,000	16,329	36,000	16,329	
180	4,594	176	4,494	126	3,985	183	6,232	104	2,645	47	1,190	4,339	2,599	36,000	16,329	36,000	16,329	34,833	15,800	34,833	15,800	36,000	16,329	36,000	16,329	
212	5,406	208	5,306	131	4,391	193	7,044	109	2,770	47	1,190	4,464	2,676	36,000	16,329	36,000	16,329	34,833	15,800	34,833	15,800	36,000	16,329	36,000	16,329	
244	6,219	240	6,119	136	4,798	203	7,858	114	2,895	47	1,190	4,597	2,751	35,400	16,057	35,400	16,057	34,700	15,740	34,600	15,694	30,300	13,744	30,700	13,925	

Capacities are calculated using 96" x 3.9" x 7.9" forks.

FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
Two 350V integrated lithium-ion batteries with battery management system*	x	
Three 350V integrated lithium-ion batteries with battery management system**	x	
One additional 350V lithium-ion battery pack		x
Traction motor rated 62 hp (46 kW) / peak 145 hp (108 kW)	x	
On-demand cooling fan	x	
Regen modes selectable in integrated performance display	x	
Performance modes selectable in integrated performance display	x	
Powertrain protection system	x	
CCS1 charging port	x	
CCS2 charging port		x
Forced air cooling for batteries	x	
DRIVE	STD	OPT
Travel speed limiter - unconditional and customer adjustable		x
Travel speed limiter - loaded (adjustable)		x
12.00 - 20 20PR Trelleborg pneumatic bias ply drive and steer tires	x	
12.00 - R20 Michelin XZM radial drive and steer tires		x
LIFT	STD	OPT
Hydraulic motor rated 99 hp (74 kW) / peak 223 hp (166 kW)	x	
On-demand load sensing hydraulic system	x	
2-stage non free lift mast	x	
2-stage full free lift mast		x
3-stage full free lift mast		x
Mast tilt - 6° forward / 10° back		x
Mast tilt - 10.5° Forward / 12° back		x
Mast tilt - 15° forward / 10° back	x	
Mast tilt indicator - mechanical		x
Hydraulic accumulator		x
Pressure compensated lowering	x	
Hydraulic system temperature protection with performance de-rate		x
HANDLING	STD	OPT
100" (2540 mm) Pin type carriage with mechanical fork locks	x	
100" (2540 mm) Pin type carriage with individual fork positioner		x
100" (2540 mm) Pin type apron-style sideshift carriage		x
100" (2540 mm) Dual function sideshift carriage with individual fork positioner for integral forks		x
100" (2540 mm) Dual function sideshift carriage with individual fork positioner for quick disconnect forks		x
100" (2540 mm) Dual function sideshift carriage with simultaneous and individual fork positioner for quick disconnect forks		x
Simultaneous fork positioning		x
96" (2440 mm) Length pin type forks	x	
96" (2440 mm) Length hook type forks		x
96" (2440 mm) Length integral forks		x
ERGONOMICS	STD	OPT
Open operator compartment (without doors & screens)	x	
Enclosed operator cabin		x
Manual tilt operator compartment for service	x	
Powered tilt operator compartment for service		x
Isolated cabin mounting for low noise and vibration	x	
Operator presence system	x	
Mechanical suspension seat	x	
Air suspension seat		x
Deluxe air suspension seat		x
Low backrest seat	x	
High backrest seat		x
Armrest on left side	x	
Cloth seat cover		x
Vinyl seat cover	x	
Seat heating		x
Seat ventilation		x
2-point high visibility seatbelt	x	
Lateral seat sliding mechanism		x
Floor mat	x	
Coat hook	x	
Front, top and rear wipers		x
"H"-pattern front wiper (enclosed operator cabin)		x
"I"-pattern front wiper (enclosed operator cabin)		x
Laminated glass operator compartment front window		x
Tinted operator compartment windows (doors, rear and top window)		x
Tinted operator compartment top window		x
Armoured glass rain top		x
Lexan top window		x
Plexiglass shield in front of front window		x
Wire mesh installed on top of operator compartment		x
Vertical steel bar front window guard		x
Operator shield wire mesh		x
7" Integrated performance display	x	
TouchPoint™ mini levers hydraulic control integrated in control arm	x	

ERGONOMICS (CONTINUED)	STD	OPT
Joystick hydraulic control integrated in control arm		x
Steering wheel without spinner knob	x	
Steering wheel with spinner knob		x
Directional control lever on steering column	x	
Hyster MONOTROL® pedal directional control		x
Directional control on mini-levers or joystick		x
Park brake - automatically applied	x	
Heater with adjustable speed fan (enclosed operator cabin)	x	
Telescoping & tilting steering column	x	
USB outlet inside armrest	x	
24-12 volt DC converter with 1 socket and 2 USB outlets	x	
24-12 volt DC converter with 2 sockets and 2 USB outlets		x
Air conditioning		x
Automatic climate control		x
Reading light		x
Sun shades on top and rear		x
Sun visors front window		x
Cloth trainer seat with 2-point seatbelt		x
Recirculation fan		x
Additional recirculation fan		x
Accessory mounting bracket on cab front right pillar		x
Document holder on cab front right pillar		x
Heated top- and/or rear window		x
Radio preparation with 2 speakers and antenna		x
VISIBILITY	STD	OPT
Steel bars on top of cab (open operator compartment)	x	
Top window with armored glass (enclosed operator cabin)	x	
Steel bars under armored glass top window (enclosed operator cabin)		x
Interior wide angle mirrors	x	
Exterior mirrors mounted to cab		x
Rear view camera system***	x	
Radar object detection system		x
High performance LED work lights		x
Two head lights mounted on front fenders		x
Four mast mounted work lights		x
Four cabin mounted work lights		x
Two rearward work lights mounted on the cabin		x
LED stop/tail/brake lights	x	
Turn signals, hazard & marker lights (LED)		x
Raised hood spine****	x	
OPERATION	STD	OPT
Air horn 112 dBA		x
Electric horn 105 dBA	x	
Visible alarm - amber strobe light, ignition activated		x
Audible alarm - reverse direction activated 82-102 dB(a), self-adjusting	x	
Audible alarm - reverse direction white noise		x
Forward / reverse motion alarm		x
Blue LED spotlight - rear / front and rear		x
Tire pressure monitoring system		x
Air conditioning shut-off with open door		x
Lockable battery disconnect switch	x	
Operator password (display) for truck start	x	
Seatbelt interlock for truck start		x
Power distribution group with fuses	x	
Fuses below 30 amps replaced by electric circuit breakers		x
Hyster Tracker™ wireless asset management - access / verification		x
Hyster Tracker™ wireless asset management - monitoring	x	
Auto greasing system for basic truck & outer mast		x
24 volt electrical system	x	
Steer wheel lug nut protection		x
Front and/or rear mud guards		x
Lifting eyes - 2 front and 2 rear		x
APPEARANCE	STD	OPT
Second capacity plate		x
Hyster yellow paint base truck	x	
Special paint base truck		x
Operator compartment special paint (complete cabin)		x
Hazard warning striping on counterweight		x
SUPPLEMENTAL	STD	OPT
Literature package	x	
Operator's manual	x	
12 months / 2,000 hours manufacturer's warranty, 24 months/4,000 hours manufacturer's powertrain warranty, 60 months / 10,000 hours / 270,000 Ahr factory installed integrated li-ion battery warranty	x	

*Standard on J330XD48, J360XDS36, J360XDS48 and J400XD.


**Standard on H360XD36 and H360XD48.

*** Standard on trucks with the raised hood spine

****Standard on 138" wheelbase with 3 batteries and 148" wheelbase trucks with 4 batteries.



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NOTES: Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. Inform your dealer of the nature and condition of the intended operating area when purchasing your Hyster® truck.

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. Specification data is based on VDI 2198.