

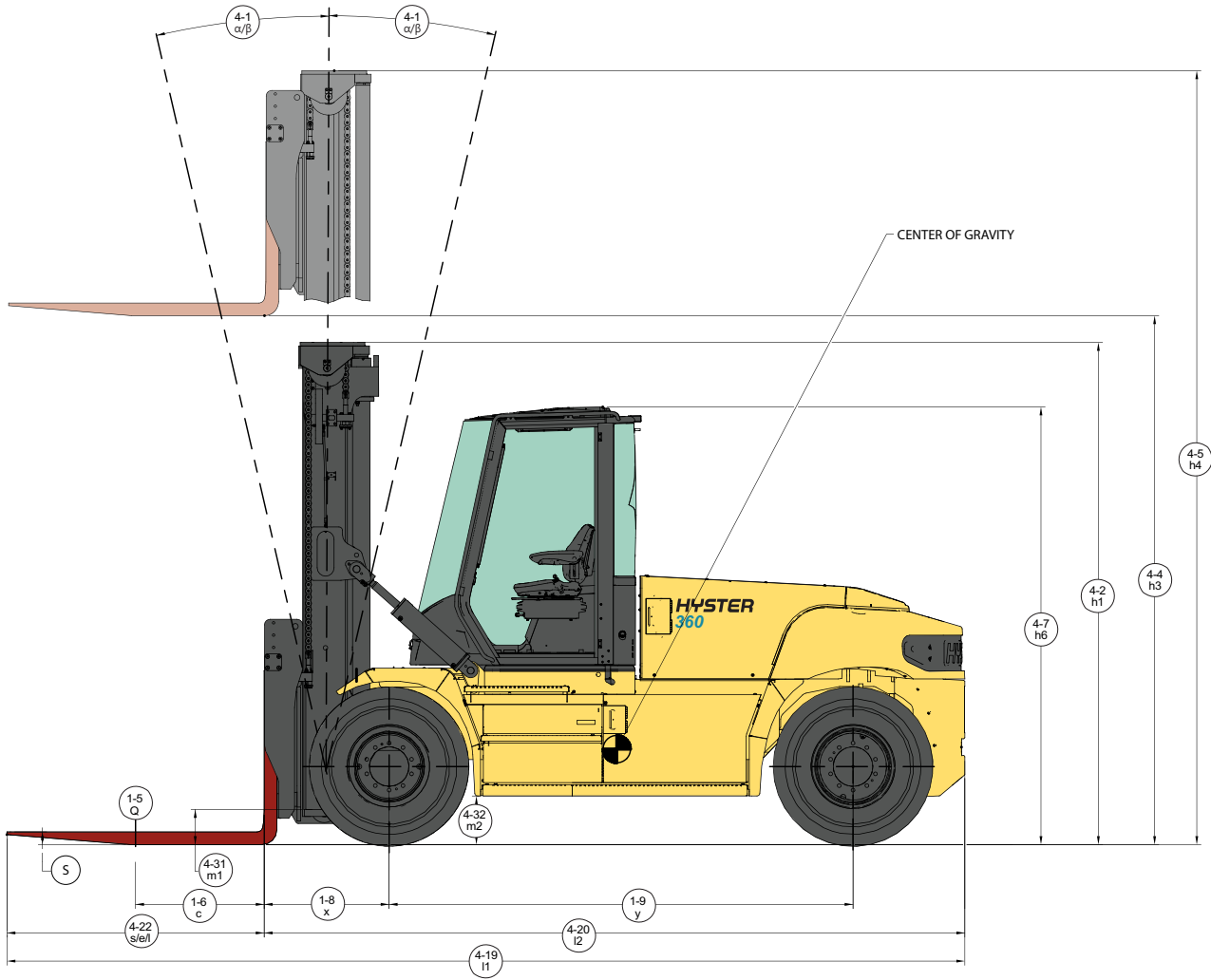
J300-360XD SERIES



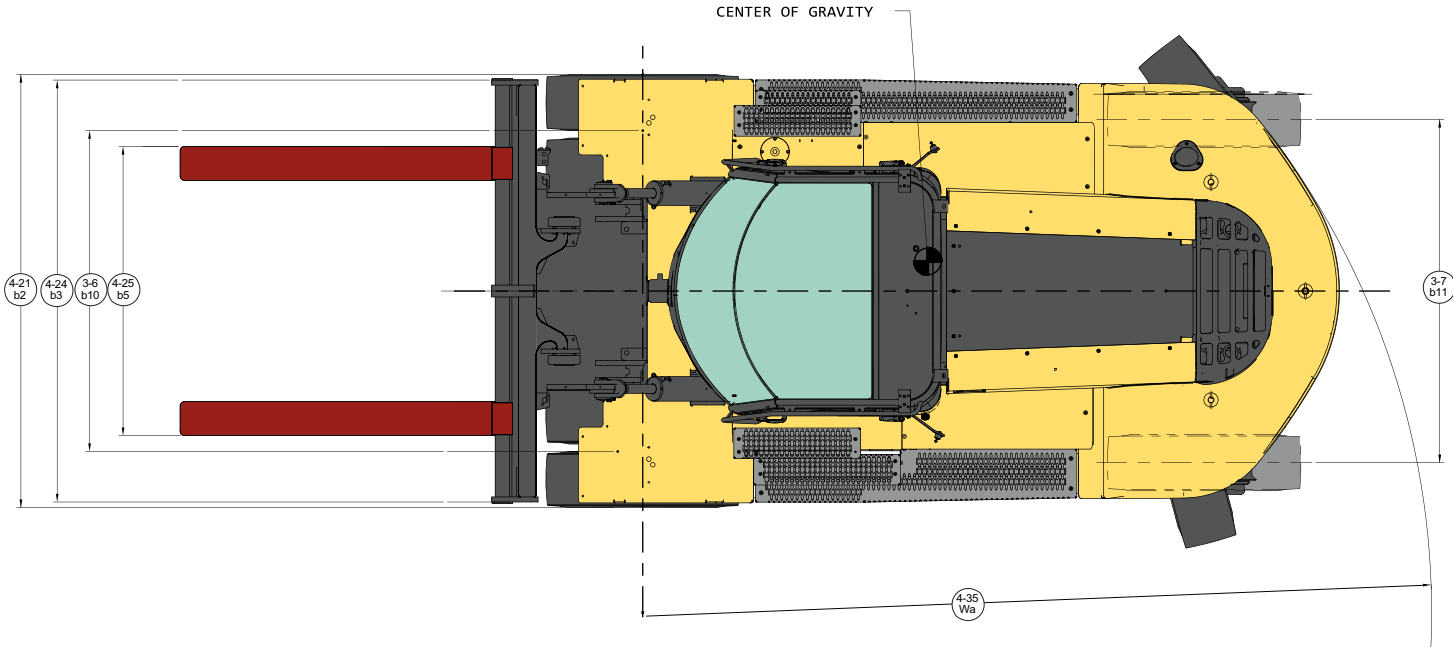
HIGH-CAPACITY ELECTRIC FORKLIFTS PRODUCT TECHNICAL GUIDE



DIMENSIONS



DIMENSIONS



J300XDS | J330XDS | J300XD SPECIFICATIONS

GENERAL	1-1		HYSTER				HYSTER				HYSTER						
	Manufacturer		J300XDS				J330XDS				J300XD						
GENERAL	1-2		Electric				Electric				Electric						
	1-3		Seated				Seated				Seated						
	1-4		Q	lb	kg	30,000	13,608	33,000	14,969	30,000	13,608						
	1-5		c1	in	mm	24	610	24	610	24	610						
	1-6		x	in	mm	35.0	889	35.0	889	35.0	889						
	1-8		y	in	mm	114	2,900	114	2,900	130	3,300						
	1-9																
	WEIGHTS	2-1		lb	kg	41,046	18,618	42,084	19,089	39,628	17,975						
		2-2		lb	kg	64,571	6,473	29,289	2,936	64,219	5,867	31,397	2,661	64,181	5,448	29,112	2,471
2-3		lb	kg	19,068	21,976	8,649	9,968	19,068	22,919	8,649	10,396	20,556	19,070	9,324	8,650		
WHEELS	3-1		Type		Pneumatic				Pneumatic				Pneumatic				
	3-2				12.00-20 20PR				12.00-20 20PR				12.00-20 20PR				
	3-3				12.00-20 20PR				12.00-20 20PR				12.00-20 20PR				
	3-5		#		x4/2				x4/2				x4/2				
	3-6		b10	in	mm	72.5	1,842	72.5	1,842	72.5	1,842						
	3-7		b11	in	mm	79.4	2,018	79.4	2,018	79.4	2,018						
DIMENSIONS	4-1		α/β	Degree		15°F / 12°B				15°F / 12°B				15°F / 12°B			
	4-2		h1	in	mm	141	3,568	141	3,568	141	3,568						
	4-3		h2	in	mm	0	0	0	0	0	0						
	4-4		h3	in	mm	147	3,750	147	3,750	147	3,750						
	4-4-1			in	mm	144	3,660	144	3,660	144	3,660						
	4-5		h4	in	mm	213	5,398	213	5,398	213	5,398						
	4-7		h6	in	mm	121	3,083	121	3,083	121	3,083						
	4-7-1		h6	in	mm	122	3,110	122	3,110	122	3,110						
	4-7-2		h6	in	mm	122	3,110	122	3,110	122	3,110						
	4-7-3		h6	in	mm	126	3,205	126	3,205	126	3,205						
	4-7-4		h6	in	mm	127	3,229	127	3,229	127	3,229						
	4-7-5		h6	in	mm	127	3,235	127	3,235	127	3,235						
	4-8		h7	in	mm	75	1,903	75	1,903	75	1,903						
	4-12		h10	in	mm	27	689	27	689	27	689						
	4-19		l1	in	mm	258	6,544	258	6,544	268	6,814						
	4-20		l2	in	mm	186	4,714	186	4,714	196	4,984						
	4-21		b2	in	mm	98	2,490	98	2,490	98	2,490						
	4-22		s/e/l	in	mm	3.5 / 8 / 72	90 / 200 / 1,830	3.5 / 8 / 72	90 / 200 / 1,830	3.5 / 8 / 72	90 / 200 / 1,830						
	4-23		Type		Standard pin type carriage				Standard pin type carriage				Standard pin type carriage				
	4-24		b3	in	mm	98.3	2,496	98.3	2,496	98.3	2,496						
	4-25-1		b5	in	mm	5.3	134	5.3	134	5.3	134						
	4-25-2		b5	in	mm	92.8	2,356	92.8	2,356	92.8	2,356						
	4-30		b8	in	mm	0	0	0	0	0	0						
	4-31		m1	in	mm	9.6	245	9.6	245	9.6	245						
	4-32		m2	in	mm	13.4	341	13.4	341	13.4	341						
	4-34		Ast	in	mm	200	5,069	200	5,069	215	5,462						
	4-35		Wa	in	mm	165	4,180	165	4,180	180	4,573						
4-36		b13	in	mm	57.2	1,454	57.2	1,454	70.0	1,778							
PERFORMANCE	5-1		mph	km/h	15	15	25	25	15	15	25	25	15	15	25	25	
	5-2		ft/min	m/s	71	79	0.36	0.40	71	79	0.36	0.40	71	79	0.36	0.40	
	5-3		ft/min	m/s	106	94	0.54	0.48	106	94	0.54	0.48	106	94	0.54	0.48	
	5-5		lb	kN	5,300	6,500	30	33	5,200	6,400	30	33	5,400	6,500	31	33	
	5-6		lb	kN	12,600	13,700	63	65	12,400	13,700	62	65	12,600	13,800	63	65	
	5-7		%		10	18	9	17	10	19	17	35	20	35			
	5-8		%		20	31	19	30	20	35							
	6-1		kW	kW	46	165	46	165	46	165							
6-2		kW	kW	165	165	165	165	165	165								
6-3		Type	Type	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion	Li-ion								
6-4-1		kWh	kWh	139	139	139	139	139	139								
6-4-1		V / Ah	V / Ah	363	384	363	384	363	384	363	384	363	384				
6-4-2		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	209							
6-4-2		V / Ah	V / Ah	N/A	N/A	N/A	N/A	N/A	N/A	363	576	2,937	1,332				
6-5-1		lb	kg	2,727	1,237	2,727	1,237	2,727	1,237	2,937	1,332						
6-5-2		lb	kg	N/A	N/A	N/A	N/A	N/A	N/A	3,867	1,754						
DRIVE	8-1		Type / #	AC Electric				AC Electric				AC Electric					
	8-3		Type	Kessler / D81				Kessler / D81				Kessler / D81					
	8-4		Type	Oil immersed (wet) disc				Oil immersed (wet) disc				Oil immersed (wet) disc					
	8-5		Type	Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle				Spring apply, dry disc on drive axle					
	10-1		psi	MPa	2,828	19.5	2,828	19.5	2,828	19.5	2,828	19.5					
MISC	10-2		gal	l/m	26.4	100	26.4	100	26.4	100	26.4	100					
	10-3		gal	l	28.8	109	28.8	109	28.8	109	28.8	109					
	10-5		Type	Hydraulic power steering				Hydraulic power steering				Hydraulic power steering					
	10-6		#	5.0				5.0				5.0					
10-8		Type	Yes / Pin				Yes / Pin				Yes / Pin						

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

(2) Peak power

J330XD | J360XD | J210XD48 SPECIFICATIONS

GENERAL	1-1		HYSTER				HYSTER				HYSTER						
	Code	Description	Unit	J330XD	J360XD	J210XD48	J330XD	J360XD	J210XD48	J330XD	J360XD	J210XD48	J330XD	J360XD	J210XD48		
GENERAL	1-1	Manufacturer		HYSTER				HYSTER				HYSTER					
	1-2	Model designation		J330XD				J360XD				J210XD48					
	1-3	Powertrain / drivetrain		Electric				Electric				Electric					
	1-4	Operator type		Seated				Seated				Seated					
	1-5	Rated load capacity	Q	lb	kg	33,000	14,969	36,000	16,329	21,000	9,525						
	1-6	Load center	c1	in	mm	24	610	24	610	48	1,219						
	1-8	Load distance	x	in	mm	35.0	889	35.0	889	35.0	889						
	1-9	Wheelbase	y	in	mm	130	3,300	130	3,300	130	3,300						
	WEIGHTS	2-1	Total truck weight without load (1)		lb	kg	40,841	18,525	42,979	19,495	39,954	18,123					
2-2		Axle loading with load, front / rear		lb	kg	68,350	5,490	31,003	2,490	68,573	5,997	31,104	2,720	55,563	5,390	25,203	2,445
2-3		Axle loading without load, front / rear		lb	kg	20,364	20,477	9,237	9,288	20,633	22,346	9,359	10,136	21,149	18,805	9,593	8,530
WHEELS	3-1	Tire type		Pneumatic				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)		#				#				#					
	3-6	Tread width, front	b10	in	mm	72.5	1,842	72.5	1,842	72.5	1,842						
	3-7	Tread width, rear	b11	in	mm	79.4	2,018	79.4	2,018	79.4	2,018						
	4-1	Mast tilt, forward / back	α/β	Degree				15°F / 12°B				15°F / 12°B					
DIMENSIONS	4-2	Height of mast lowered	h1	in	mm	141	3,568	141	3,568	141	3,568						
	4-3	Freelift	h2	in	mm	0	0	0	0	0							
	4-4	Lift height (top of fork)	h3	in	mm	147	3,750	147	3,750	147	3,750						
	4-4-1	Lift height (bottom of fork)		in	mm	144	3,660	144	3,660	144	3,660						
	4-5	Height, extended	h4	in	mm	213	5,398	213	5,398	213	5,398						
	4-7	Height to top of operator compartment (open cab)	h6	in	mm	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						
	4-7-2	Height, top of operator comp (closed cab w/ airco)	h6	in	mm	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						
	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						
	4-7-5	Height, top of operator comp (closed cab w/ airco & strobe)		in	mm	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						
	4-12	Tow coupler height	h10	in	mm	27	689	27	689	27	689						
	4-19	Overall length	l1	in	mm	268	6,814	268	6,814	292	7,419						
	4-20	Length to load face	l2	in	mm	196	4,984	196	4,984	196	4,984						
	4-21	Overall width of truck	b2	in	mm	98	2,490	98	2,490	98	2,490						
	4-22	Fork dimension	s/e/l	in	mm	3.5 / 8 / 72	90 / 200 / 1,830	3.5 / 8 / 72	90 / 200 / 1,830	3.5 / 8 / 96	90 / 200 / 2,435						
	4-23	Fork carriage type		Type				Standard pin type carriage				Standard pin type carriage					
	4-24	Carriage width	b3	in	mm	98.3	2,496	98.3	2,496	98.3	2,496						
	4-25-1	Fork spread, min (in-in)	b5	in	mm	5.3	134	5.3	134	5.3	134						
	4-25-2	Fork spread, max (out-out)	b5	in	mm	92.8	2,356	92.8	2,356	92.8	2,356						
	4-30	Sideshift	b8	in	mm	0	0	0	0	0	0						
	4-31	Ground clearance, under mast with load	m1	in	mm	9.6	245	9.6	245	9.6	245						
4-32	Ground clearance, center of wheelbase	m2	in	mm	13.4	341	13.4	341	13.4	341							
4-34	Minimum aisle width (add load length & clearance)	Ast	in	mm	215	5,462	215	5,462	215	5,462							
4-35	Outside turning radius	Wa	in	mm	180	4,573	180	4,573	180	4,573							
4-36	Inner turning radius	b13	in	mm	70.0	1,778	70.0	1,778	70.0	1,778							
PERFORMANCE	5-1	Travel speed, with / without load (1)		mph	km/h	15	15	25	25	15	15	25	25				
	5-2	Lifting speed, with / without load		ft/min	m/s	71	79	0.36	0.40	71	79	0.36	0.40				
	5-3	Lowering speed, with / without load		ft/min	m/s	106	94	0.54	0.48	106	94	0.54	0.48				
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load (2)		lb	kN	5,300	6,500	30	33	5,000	6,400	30	33	5,800	6,600	31	33
	5-6	Drawbar pull - max, with / without load (3)		lb	kN	12,500	13,700	62	65	12,200	13,600	62	65	12,900	13,800	63	65
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (2)		%		9		18		8		17		11		18	
	5-8	Gradeability - max, with / without load (2)		%		19		34		18		32		23		36	
	6-1	Drive motor rating, S2 60 min		kW		46		46		46		46					
ELECTRIC	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						
	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						
	6-5-1	Battery weight - 2 battery packs		lb	kg	3,289	1,492	3,774	1,712	2,937	1,332						
	6-5-2	Battery weight - 3 battery packs		lb	kg	3,867	1,754	3,867	1,754	3,867	1,754						
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					
	10-1	Working pressure for attachments		psi	MPa	2,828	19.5	2,828	19.5	2,828	19.5						
MISC	10-2	Oil volume for attachments		gpm	l/m	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						
	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

J230XD48 | J250XD48 | J280XD48 SPECIFICATIONS

GENERAL	1-1		HYSTER				HYSTER				HYSTER			
	Manufacturer		J230XD48				J250XD48				J280XD48			
WEIGHTS	1-2		Electric				Electric				Electric			
	Model designation		Seated				Seated				Seated			
WHEELS	1-3		23,000				25,000				28,000			
	Powertrain / drivetrain		10,432				11,340				12,701			
DIMENSIONS	1-4		48				48				48			
	Operator type		35.0				35.0				35.0			
PERFORMANCE	1-5		130				130				138			
	Rated load capacity		41,167				42,600				43,678			
DRIVE	1-6		58,650				61,721				65,394			
	Load center		26,603				27,996				29,662			
MISC	1-7		20,212				20,750				20,529			
	Load distance		9,505				9,412				9,312			
ELECTRIC	1-8		20,955				21,850				21,850			
	Wheelbase		18,673				19,323				19,911			
ELECTRIC	2-1		12.00-20 20PR				12.00-20 20PR				12.00-20 20PR			
	Total truck weight without load (1)		x4/2				x4/2				x4/2			
ELECTRIC	2-2		72.5				72.5				72.5			
	Axle loading with load, front / rear		1,842				1,842				1,842			
ELECTRIC	2-3		79.4				79.4				79.4			
	Axle loading without load, front / rear		2,018				2,018				2,018			
ELECTRIC	3-1		15°F / 12°B				15°F / 12°B				15°F / 12°B			
	Tire type		Pneumatic				Pneumatic				Pneumatic			
ELECTRIC	3-2		141				141				141			
	Tire size, front		3,568				3,568				3,568			
ELECTRIC	3-3		0				0				0			
	Tire size, rear		147				147				147			
ELECTRIC	3-4		144				144				144			
	Number of tires, front / rear (X driven)		#				#				#			
ELECTRIC	3-5		141				141				141			
	Tread width, front		3,660				3,660				3,660			
ELECTRIC	3-6		213				213				213			
	Tread width, rear		5,398				5,398				5,398			
ELECTRIC	3-7		121				121				121			
	Mast tilt, forward / back		Degree				Degree				Degree			
ELECTRIC	4-1		122				122				122			
	Height of mast lowered		3,110				3,110				3,110			
ELECTRIC	4-2		122				122				122			
	Freelift		3,235				3,235				3,235			
ELECTRIC	4-3		126				126				126			
	Lift height (top of fork)		3,229				3,229				3,229			
ELECTRIC	4-4		127				127				127			
	Lift height (bottom of fork)		2,490				2,490				2,490			
ELECTRIC	4-5		75				75				75			
	Height, extended		1,903				1,903				1,903			
ELECTRIC	4-6		27				27				27			
	Lift height (top of operator compartment (open cab))		689				689				689			
ELECTRIC	4-7		292				292				305			
	Height, top of operator comp (closed cab w/ airco)		7,419				7,419				7,749			
ELECTRIC	4-7-1		196				196				209			
	Height, top of operator comp (closed cab)		4,984				4,984				5,314			
ELECTRIC	4-7-2		98				98				98			
	Height, top of operator comp (closed cab w/ strobe light)		2,490				2,490				2,498			
ELECTRIC	4-7-3		3.5 / 8 / 96				3.5 / 8 / 96				3.5 / 8 / 96			
	Height, top of operator comp (closed cab w/ work lights)		90 / 200 / 2,435				90 / 200 / 2,435				90 / 200 / 2,435			
ELECTRIC	4-7-4		Standard pin type carriage				Standard pin type carriage				Standard pin type carriage			
	Height, top of operator comp (closed cab w/ airco & strobe)		Type				Type				Type			
ELECTRIC	4-7-5		98.3				98.3				98.3			
	Seat height to seat point index (SIP)		2,496				2,496				2,496			
ELECTRIC	4-12		5.3				5.3				5.3			
	Tow coupler height		134				134				134			
ELECTRIC	4-19		92.8				92.8				92.8			
	Overall length		2,356				2,356				2,356			
ELECTRIC	4-20		0				0				0			
	Length to load face		0				0				0			
ELECTRIC	4-21		9.6				9.6				9.6			
	Overall width of truck		245				245				245			
ELECTRIC	4-22		13.4				13.4				13.4			
	Fork dimension		341				341				341			
ELECTRIC	4-23		215				215				230			
	Fork carriage type		5,462				5,462				5,836			
ELECTRIC	4-24		180				180				195			
	Carriage width		4,573				4,573				4,947			
ELECTRIC	4-25		70.0				70.0				76.4			
	Minimum aisle width (add load length & clearance)		1,778				1,778				1,941			
ELECTRIC	4-25-1		15				15				15			
	Fork spread, min (in-in)		15				15				15			
ELECTRIC	4-25-2		25				25				25			
	Fork spread, max (out-out)		25				25				25			
ELECTRIC	4-30		106				106				106			
	Sideshift		94				94				94			
ELECTRIC	4-31		0.54				0.54				0.54			
	Ground clearance, under mast with load		0.48				0.48				0.48			
ELECTRIC	4-32		5,600				5,500				5,300			
	Ground clearance, center of wheelbase		6,500				6,500				6,400			
ELECTRIC	4-34		63				63				63			
	Minimum aisle width (add load length & clearance)		65				65				65			
ELECTRIC	4-35		11				10				10			
	Outside turning radius		18				18				17			
ELECTRIC	4-36		22				21				20			
	Inner turning radius		35				33				33			
ELECTRIC	6-1		46				46				46			
	Drive motor rating, S2 60 min		165				165				165			
ELECTRIC	6-2		Type				Type				Type			
	Lift motor rating at S3 15%		Li-ion				Li-ion				Li-ion			
ELECTRIC	6-3		kWh				kWh				kWh			
	Battery type		139				139				139			
ELECTRIC	6-4-1		V / Ah				V / Ah				V / Ah			
	Battery capacity - 2 battery packs		363				363				363			
ELECTRIC	6-4-1		384				384				384			
	Battery voltage / nominal capacity - 2 battery packs		209				209				209			
ELECTRIC	6-4-2		363				363				363			
	Battery capacity - 3 battery packs		576				576				576			
ELECTRIC	6-5-1		3,289				3,289				2,937			
	Battery voltage / nominal capacity - 3 battery packs		1,492				1,492				1,332			
ELECTRIC	6-5-2		3,867				3,867				3,867			
	Battery weight - 2 battery packs		1,754				1,754				1,754			
ELECTRIC	8-1		Type / #				Type / #				Type / #			
	Type of drive unit		AC Electric				AC Electric				AC Electric			
ELECTRIC	8-3		Kessler / D81				Kessler / D81				Kessler / D81			
	Wheel drive / drive axle manufacturer / type		Oil immersed (wet) disc				Oil immersed (wet) disc				Oil immersed (wet) disc			
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		Type				Type				Type			
ELECTRIC	8-5		psi				psi				psi			
	Parking brake		MPa				MPa				MPa			
ELECTRIC	10-1		gpm				gpm				gpm			
	Working pressure for attachments		l/m				l/m				l/m			
ELECTRIC	10-2		gal				gal				gal			
	Oil volume for attachments		I				I				I			
ELECTRIC	10-3		Type				Type				Type			
	Hydraulic oil tank, capacity		Hydraulic power steering				Hydraulic power steering				Hydraulic power steering			
ELECTRIC	10-5		#				#				#			
	Steering design		5.0				5.0				5.0			
ELECTRIC	10-6		Type				Type				Type			
	Number of steering rotations		Yes / Pin				Yes / Pin				Yes / Pin			
ELECTRIC	10-8		Type				Type				Type			
	Towing coupling, type DIN		Yes / Pin				Yes / Pin				Yes / Pin			

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

BATTERY SPECIFICATIONS

J300-360XD 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	10	65	1654	40	1006.5	20	503	25	7.62	-4° to 122°	-20° to 50°	BORG WARNER
480V, 3 PHASE, 60HZ	36	65	1654	40	1006.5	20	503	25	7.62	-4° to 122°	-20° to 50°	BORG WARNER
480V, 3 PHASE, 60HZ	45	65	1654	40	1006.5	20	503	25	7.62	-4° to 122°	-20° to 50°	BORG WARNER
480V, 3 PHASE, 60HZ	75	65	1654	72	1822	20	503	25	7.62	-4° to 122°	-20° to 50°	BORG WARNER
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 charge and 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

J300-360XD 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

J300-360XD 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

J210-230XD48 | J250XD48 CAPACITY SPECIFICATIONS

RATED CAPACITY: J210-230XD48 @ 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				QD DFSSFP Carriage			
															J210XD48		J230XD48		J210XD48		J230XD48		J210XD48		J230XD48	
	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
108	2,750	104	2,660	121	3,068	174	4,398	99	2,520	47	1,190	4,209	2,525	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	
118	3,000	114	2,910	126	3,193	183	4,648	104	2,645	47	1,190	4,339	2,599	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,900	9,480	23,000	10,433	
127	3,250	124	3,160	131	3,318	193	4,898	109	2,770	47	1,190	4,464	2,676	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,900	9,480	23,000	10,433	
137	3,500	134	3,410	136	3,443	203	5,148	114	2,895	47	1,190	4,597	2,751	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,900	9,480	22,900	10,387	
147	3,750	144	3,660	141	3,568	213	5,398	119	3,020	47	1,190	4,727	2,828	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,900	9,480	22,900	10,387	
157	4,000	153	3,910	146	3,693	223	5,648	124	3,145	47	1,190	4,850	2,902	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,800	9,435	22,900	10,387	
177	4,500	173	4,410	156	3,943	243	6,148	134	3,395	47	1,190	5,179	3,054	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,800	9,435	22,800	10,342	
187	4,750	183	4,660	161	4,068	252	6,398	139	3,520	47	1,190	5,309	3,185	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,700	9,389	22,800	10,342	
196	5,000	193	4,910	166	4,193	262	6,648	144	3,645	47	1,190	5,670	3,263	21,000	9,525	23,000	10,433	21,000	9,525	23,000	10,433	20,700	9,389	22,700	10,297	
216	5,500	212	5,410	175	4,443	282	7,148	153	3,895	47	1,190	5,926	3,571	20,700	9,389	22,700	10,297	20,700	9,389	22,700	10,297	20,300	9,208	22,400	10,160	
236	6,000	232	5,910	185	4,693	302	7,648	163	4,145	47	1,190	6,184	3,724	20,400	9,253	22,400	10,160	20,400	9,253	22,400	10,160	20,000	9,072	22,000	9,979	
246	6,250	242	6,160	190	4,818	311	7,898	168	4,270	47	1,190	6,314	3,803	20,300	9,208	22,200	10,070	20,200	9,163	22,200	10,070	19,800	8,981	21,400	9,707	
255	6,500	252	6,410	195	4,943	321	8,148	173	4,395	47	1,190	6,444	3,879	20,100	9,117	22,100	10,024	20,000	9,072	22,100	10,024	19,400	8,800	19,600	8,890	
275	7,000	272	6,910	205	5,193	341	8,648	183	4,645	47	1,190	6,700	4,090	19,800	8,981	21,700	9,843	19,600	8,890	21,700	9,843	16,400	7,439	16,400	7,439	

Capacities are calculated using 72" x 3" x 8" forks.

RATED CAPACITY: H250XD48 @ 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				QD DFSSFP Carriage			
															J250XD48		J280XD48		J250XD48		J280XD48		J250XD48		J280XD48	
	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
108	2,750	104	2,660	121	3,068	174	4,398	99	2,520	47	1,190	4,209	2,525	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	25,000	11,340	27,800	12,610	
118	3,000	114	2,910	126	3,193	183	4,648	104	2,645	47	1,190	4,339	2,599	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	25,000	11,340	27,800	12,610	
127	3,250	124	3,160	131	3,318	193	4,898	109	2,770	47	1,190	4,464	2,676	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	25,000	11,340	27,800	12,610	
137	3,500	134	3,410	136	3,443	203	5,148	114	2,895	47	1,190	4,597	2,751	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	25,000	11,340	27,700	12,565	
147	3,750	144	3,660	141	3,568	213	5,398	119	3,020	47	1,190	4,727	2,828	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	25,000	11,340	27,700	12,565	
157	4,000	153	3,910	146	3,693	223	5,648	124	3,145	47	1,190	4,850	2,902	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	25,000	11,340	27,700	12,565	
177	4,500	173	4,410	156	3,943	243	6,148	134	3,395	47	1,190	5,179	3,054	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	25,000	11,340	27,600	12,519	
187	4,750	183	4,660	161	4,068	252	6,398	139	3,520	47	1,190	5,309	3,185	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,900	11,294	27,500	12,474	
196	5,000	193	4,910	166	4,193	262	6,648	144	3,645	47	1,190	5,670	3,263	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,900	11,294	27,500	12,474	
216	5,500	212	5,410	175	4,443	282	7,148	153	3,895	47	1,190	5,926	3,571	24,700	11,204	27,600	12,519	24,700	11,204	27,600	12,519	24,500	11,113	27,100	12,292	
236	6,000	232	5,910	185	4,693	302	7,648	163	4,145	47	1,190	6,184	3,724	24,400	11,068	27,300	12,383	24,400	11,068	27,200	12,338	23,600	10,705	23,700	10,750	
246	6,250	242	6,160	190	4,818	311	7,898	168	4,270	47	1,190	6,314	3,803	24,200	10,977	27,100	12,292	24,200	10,977	26,900	12,202	21,600	9,798	21,600	9,798	
255	6,500	252	6,410	195	4,943	321	8,148	173	4,395	47	1,190	6,444	3,879	24,100	10,932	27,000	12,247	24,100	10,932	26,700	12,111	19,700	8,936	19,600	8,890	
275	7,000	272	6,910	205	5,193	341	8,648	183	4,645	47	1,190	6,700	4,090	23,700	10,750	26,600	12,066	23,700	10,750	26,300	11,929	16,400	7,439	16,200	7,348	

Capacities are calculated using 96" x 3" x 8" forks.

J300XDS | J330XDS CAPACITY SPECIFICATIONS

RATED CAPACITY: J300XD(S) @ 24 IN (610 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				QD DFSSFP carriage						
															J300XD		J300XDS		J300XD		J300XDS		J300XD		J300XDS		
	in	mm	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
108	2,750	104	2,660	121	3,068	174	4,398	99	2,520	47	1,190	4,209	2,525	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,900	13,562	29,900	13,562
118	3,000	114	2,910	126	3,193	183	4,648	104	2,645	47	1,190	4,339	2,599	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,800	13,517	29,800	13,517
127	3,250	124	3,160	131	3,318	193	4,898	109	2,770	47	1,190	4,464	2,676	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,800	13,517	29,800	13,517
137	3,500	134	3,410	136	3,443	203	5,148	114	2,895	47	1,190	4,597	2,751	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,800	13,517	29,700	13,472
147	3,750	144	3,660	141	3,568	213	5,398	119	3,020	47	1,190	4,727	2,828	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,700	13,472	29,700	13,472
157	4,000	153	3,910	146	3,693	223	5,648	124	3,145	47	1,190	4,850	2,902	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,700	13,472	29,700	13,472
177	4,500	173	4,410	156	3,943	243	6,148	134	3,395	47	1,190	5,179	3,054	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,600	13,426	29,600	13,426
187	4,750	183	4,660	161	4,068	252	6,398	139	3,520	47	1,190	5,309	3,185	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,500	13,381	29,500	13,381
196	5,000	193	4,910	166	4,193	262	6,648	144	3,645	47	1,190	5,670	3,263	30,000	13,608	30,000	13,608	30,000	13,608	30,000	13,608	29,600	13,426	29,500	13,381	29,500	13,381
216	5,500	212	5,410	175	4,443	282	7,148	153	3,895	47	1,190	5,926	3,571	29,600	13,426	29,600	13,426	29,600	13,426	29,200	13,245	29,000	13,154	29,000	13,154	28,100	12,746
236	6,000	232	5,910	185	4,693	302	7,648	163	4,145	47	1,190	6,184	3,724	29,200	13,245	29,200	13,245	29,200	13,245	29,200	13,245	29,000	13,154	25,600	11,612	22,600	10,251
246	6,250	242	6,160	190	4,818	311	7,898	168	4,270	47	1,190	6,314	3,803	29,000	13,154	29,000	13,154	29,000	13,154	29,000	13,154	29,000	13,154	23,300	10,569	20,200	9,163
255	6,500	252	6,410	195	4,943	321	8,148	173	4,395	47	1,190	6,444	3,879	28,800	13,063	28,800	13,063	28,700	13,018	28,800	13,063	28,700	13,018	21,300	9,662	18,000	8,165
275	7,000	272	6,910	205	5,193	341	8,648	183	4,645	47	1,190	6,700	4,090	28,300	12,837	28,300	12,837	28,200	12,791	28,200	12,791	28,200	12,791	17,600	7,983	14,000	6,350

Capacities are calculated using 72" x 3" x 8" forks.

RATED CAPACITY: J330XD(S) @ 24 IN (610 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		Standard pin type carriage		Apron pin type carriage		Apron pin type carriage		QD DFSSFP carriage		QD DFSSFP carriage		
															J330XD		J330XDS		J330XD		J330XDS		J330XD		J330XDS		
	in	mm	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
108	2,750	104	2,660	121	3,068	174	4,398	99	2,520	47	1,190	4,209	2,525	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,800	14,878	32,800	14,878
118	3,000	114	2,910	126	3,193	183	4,648	104	2,645	47	1,190	4,339	2,599	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,700	14,832	32,700	14,832
127	3,250	124	3,160	131	3,318	193	4,898	109	2,770	47	1,190	4,464	2,676	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,700	14,832	32,700	14,832
137	3,500	134	3,410	136	3,443	203	5,148	114	2,895	47	1,190	4,597	2,751	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,600	14,787	32,600	14,787
147	3,750	144	3,660	141	3,568	213	5,398	119	3,020	47	1,190	4,727	2,828	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,600	14,787	32,600	14,787
157	4,000	153	3,910	146	3,693	223	5,648	124	3,145	47	1,190	4,850	2,902	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,500	14,742	32,500	14,742
177	4,500	173	4,410	156	3,943	243	6,148	134	3,395	47	1,190	5,179	3,054	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,400	14,696	32,400	14,696
187	4,750	183	4,660	161	4,068	252	6,398	139	3,520	47	1,190	5,309	3,185	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,400	14,696	32,400	14,696
196	5,000	193	4,910	166	4,193	262	6,648	144	3,645	47	1,190	5,670	3,263	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	33,000	14,969	32,300	14,651	32,300	14,651
216	5,500	212	5,410	175	4,443	282	7,148	153	3,895	47	1,190	5,926	3,571	32,600	14,787	32,600	14,787	32,600	14,787	32,600	14,787	32,600	14,787	31,100	14,107	28,300	12,837
236	6,000	232	5,910	185	4,693	302	7,648	163	4,145	47	1,190	6,184	3,724	32,200	14,606	32,200	14,606	32,200	14,606	32,200	14,606	32,200	14,606	25,800	11,703	22,500	10,206
246	6,250	242	6,160	190	4,818	311	7,898	168	4,270	47	1,190	6,314	3,803	31,900	14,470	32,000	14,515	31,900	14,470	32,000	14,515	31,900	14,470	23,400	10,614	20,000	9,072
255	6,500	252	6,410	195	4,943	321	8,148	173	4,395	47	1,190	6,444	3,879	31,700	14,379	31,800	14,424	31,600	14,334	31,700	14,379	31,600	14,334	21,300	9,662	17,600	7,983
275	7,000	272	6,910	205	5,193	341	8,648	183	4,645	47	1,190	6,700	4,090	31,200	14,152	31,300	14,197	31,100	14,107	31,100	14,107	31,100	14,107	17,400	7,893	13,500	6,123

Capacities are calculated using 72" x 3" x 8" forks.

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.

FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
Two 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	
Liquid cooling system for motors and controllers	x	
Performance modes selectable in integrated performance display	x	
Powertrain protection system	x	
Kessler d81 drive axle with wet disc brakes	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
12.00 - R20 Trelleborg radial drive and steer tires		x
12.00 - 20 Pneumatic shaped solid 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	
Variable lap mast for low roller forces	x	
2-stage non free lift mast	x	
2-stage full free lift mast		x
3-stage full free lift mast		x
Mast tilt - 5° forward / 6° back		x
Mast tilt - 5° forward / 12° back		x
Mast tilt - 15° forward / 10° back		x
Mast tilt - 15° forward / 12° back	x	
Mast tilt - 20.5° forward / 7° 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
98.3" (2496 mm) Pin type carriage with mechanical fork locks	x	
98.3" (2496 mm) Pin type carriage with simultaneous and independent fork positioner		x
98.3" (2496 mm) Pin type apron-style sideshift carriage		x
98.4" (2500 mm) Pin type apron-style sideshift carriage with simultaneous fork positioner		x
98.3" (2496 mm) Pin type apron-style sideshift carriage with simultaneous and independent fork positioner		x
98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner		x
98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions		x
72" (1824 mm) High load backrest		x
80" (2040 mm) High load backrest		x
98" (2500 mm) High load stabilizer (for lumber applications)		x
72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks*	x	
96" Long x 3.9" thick x 8" wide (2435 mm x 100 mm x 200 mm) forks**		
Pin type forks (various sizes)		x
Pin type forks for lumber applications		x
Hook type quick disconnect DFSSFP forks (various sizes)		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	
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

*Standard on J300XD(S), J330XD(S) and J360XD.

**Standard on J210XD48, J230XD48, J250XD48 and J280XD48


FEATURES AND OPTIONS

ERGONOMICS (continued)	STD	OPT
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
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

OPERATION (continued)	STD	OPT
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	



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