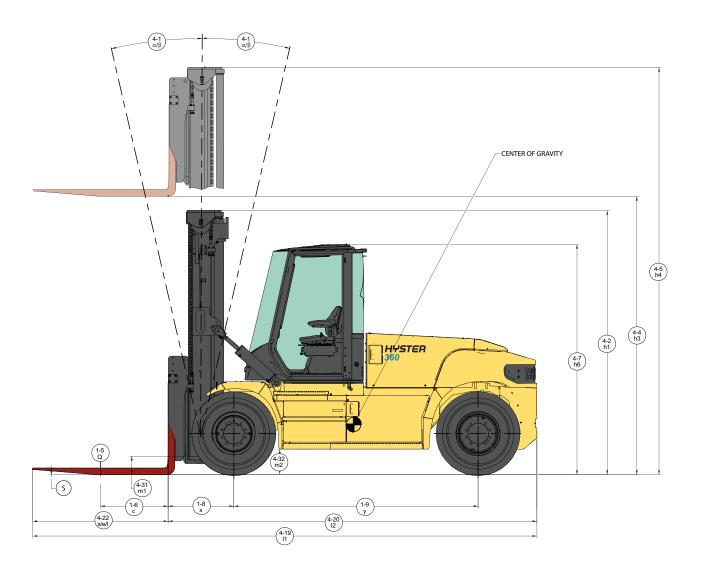
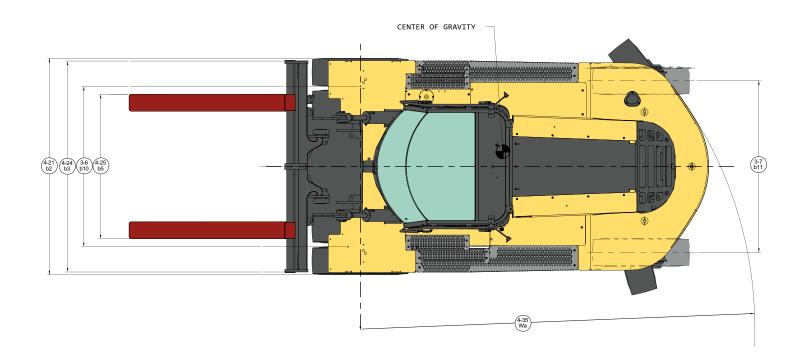


HIGH-CAPACITY ELECTRIC FORKLIFTS PRODUCT TECHNICAL GUIDE







J300XDS | J330XDS | J300XD SPECIFICATIONS

	1-1	Manufacturer	l	I			HYS	TER		I	HYS	TER		I	HYS	TER	
	1-2	Model designation						XDS			J330				J30		
l ₌ □	1-3	Powertrain / drivetrain					Elec	ctric			Elec	tric			Elec	ctric	
	1-4	Operator type					Sea	ted			Sea	ted			Sea	ited	
	1-5	Rated load capacity	Q	lb	kg		000		608	33,0			969	30,0			,608
	1-6	Load center	c1	in	mm		4		10	24			10	24			10
	1-8	Load distance	Х	in	mm		5.0		89	35.			89	35			89
	1-9	Wheelbase	У	in	mm	1.			900	11			900	13			300
WEIGHTS	2-1	Total truck weight without load (1)		lb	kg	41,	046		618	42,0	84	,	089	39,6			,975
호	2-2	Axle loading with load, front / rear		lb	kg	64,571	6,473	29,289	2,936	69,219	5,867	31,397	2,661	64,181	5,448	29,112	2,471
8	2-3	Axle loading without load, front / rear		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
	3-1	Tire type		Ту		,		matic	,	,	Pneur			,	-	matic	
	3-2	Tire size, front		,				0 20PR			12.00-2					0 20PR	
WHEELS	3-3	Tire size, rear					12.00-2	0 20PR			12.00-2				12.00-2	0 20PR	
署二	3-5	Number of tires, front / rear (X driven)		#			χ4	/2			x4	/2			х4	/2	
		Tread width, front	b10	in	mm		2.5		342	72.			342	72			842
		Tread width, rear	b11	in	mm	79).4)18	79.)18	79			018
		Mast tilt, forward / back	α/β	Deg			15°F				15°F /				15°F /		
		Height of mast lowered	h1	in	mm	14			568	14			568	14			568
	4-3	Freelift	h2	in	mm)		0	0			0	0			0
		Lift height (top of fork)	h3	in	mm	14			750	14			750 sen	14			750
		Lift height (bottom of fork) Height, extended	h4	in in	mm mm	14 2			398	14 21			398	14 21			660 398
		Height to top of operator compartment (open cab)	h6	in	mm	12)83	12)83	12			083
		Height, top of operator comp (closed cab)	h6	in	mm	12			110	12			110	12			110
		Height, top of operator comp (closed cab w/ airco)	h6	in	mm		22		110	12			110	12			110
		Height, top of operator comp (closed cab w/ strobe light)	h6	in	mm	12			205	12			205	12			205
		Height, top of operator comp (closed cab w/ work lights)	h6	in	mm	12			229	12			229	12			229
60 4	I-7-5	Height, top of operator comp (closed cab w/ airco & strobe)		in	mm	12	27	3,2	235	12	7	3,2	235	12	.7	3,2	235
		Seat height to seat point index (SIP)	h7	in	mm		5		903	75		1,9	903	7:			903
S 4		Tow coupler height	h10	in	mm	2			89	27			89	2			89
皇		Overall length	11	in	mm	2			544	25			544	26			814
		Length to load face	12	in	mm	18			714	18			714	19			984
		Overall width of truck	b2	in	mm	9			190	98			490	98			490
		Fork dimension Fork carriage type	s/e/l	in Tyr	mm		8 / 72 Idard pin		1,830	3.5 / 8		type carr	1,830	3.5 / 8	dard pin		0 / 1,830
		Carriage width	b3	in	mm	98			196	98.			196	98			11age 496
		Fork spread, min (in-in)	b5	in	mm	5			34	5.3			34	5.			34
		Fork spread, max (out-out)	b5	in	mm		2.8		356	92.			356	92			356
		Sideshift	b8	in	mm	(0	0			0	0			0
		Ground clearance, under mast with load	m1	in	mm	9			45	9.6			45	9.	6		45
		Ground clearance, center of wheelbase	m2	in	mm	13			41	13.			41	13			41
		Minimum aisle width (add load length & clearance)	Ast	in	mm	20			069	20			069	21			462
		Outside turning radius	Wa	in	mm		35		180	16			180	18			573
		Inner turning radius	b13	in	mm		'.2		154 25	57.			154	70			778
삟⊢	5-1 5-2	Travel speed, with / without load (1) Lifting speed, with / without load		mph ft/min	km/h m/s	15 71	15 79	25 0.36	25 0.40	15 71	15 79	25 0.36	25 0.40	15 71	15 79	25 0.36	0.40
¥		Lowering speed, with / without load		ft/min	m/s	106	94	0.54	0.48	106	94	0.54	0.48	106	94	0.54	0.48
2		Drawbar pull - 1 mph (1.6 km/h), with / without load (2)		lb	kN	5,300	6,500	30	33	5,200	6,400	30	33	5,400	6,500	31	33
		Drawbar pull - max, with / without load (3)		lb	kN	12,600		63	65	12,400	13,700	62	65	12,600		63	65
띪		Gradeability - 1 mph (1.6 km/h), with / without load (2)		%		1			8	9	., .,		7	10			19
	5-8	Gradeability - max, with / without load (2)		%)	2			81	19)		80	20			35
	6-1	Drive motor rating, S2 60 min		kW	kW		4	6			4	6			4	6	
		Lift motor rating at S3 15%		kW	kW			65			16					35	
ے د		Battery type		Type				ion			Li-i				Li-		
		Battery capacity - 2 battery packs		kW				39			13					39	
띪		Battery voltage / nominal capacity - 2 battery packs		V /		36			84	36			84	36			84
ᆸ		Battery capacity - 3 battery packs		kW				/A			N/			200)9	70
		Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs		V /		2.7	'27	/A 1	27	2,72	N/		27	36			76
		Battery weight - 3 battery packs			kg	2,1		1,2 /A	237	2,12	27 N/		237	2,9 3,8			332 754
		Type of drive unit		lb Type	kg /#			ectric			AC Ele			3,0	AC EI		J-T
w		Wheel drive / drive axle manufacturer / type		Тур				· / D81			Kessler				Kesslei		
		Service brake		Ty		Oil	immerse		lisc	Oil i		d (wet) d	isc	Oil	immerse		lisc
		Parking brake		Ty						Spring ap		()				()	
		Working pressure for attachments			MPa		328		9.5	2,82			9.5	2,8			9.5
_		Oil volume for attachments		gpm	I/m		5.4		00	26.			00	26			00
		Hydraulic oil tank, capacity		gal	-1		3.8		09	28.			09	28			09
		Steering design		Туј		Hyd	draulic po		ring	Hydi		wer steer	ring	Hyc	Iraulic po		ring
		Number of steering rotations		#				.0			5.				5		
	TU-8	Towing coupling, type DIN	l	Ту	Je	l	Yes	PIII		I	Yes /	riii		1	Yes	' LIII	

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

⁽²⁾ Peak power

J330XD | J360XD | J210XD48 SPECIFICATIONS

1-12 Absorbationer		1-1	Manufacturer	ı	I		ı	HVQ	TER		I.	HVQ	TER		I	HYS'	TER	
Part Powerfain of Johnstein Part Powerfain P																		
Second Company																		
1.9 More distance	₹																	
1.9 More distance	Z.			Q	lb	kg	33,000			969	36,0			329	21,0			525
19 Meelbrase y is mm 190 3,300 130 3,300	5			c1	in												1,2	219
1		1-8	Load distance	х	in	mm	35.0		88	39	35.	0	88	39	35.	.0	88	89
2		1-9	Wheelbase	у	in	mm	130		3,3	800	13	0	3,3	300	13	0	3,3	300
3.2 Tire size, front Tire	2	2-1	Total truck weight without load (1)		lb	kg	40,841	1	18,	525	42,9	79	19,	495	39,9	54	18,	,123
3.2 Tire size, front Tire	퓬	2-2	Axle loading with load, front / rear		lb	kg	68,350 5	5,490	31,003	2,490	68,573	5,997	31,104	2,720	55,563	5,390	25,203	2,445
3.2 Tire size, front Tire	핗	2-3	9		lb												9 593	8 530
12.00-20.02PR 12.00-20.02P							20,001 20			0,200	20,000			10,100	21,110		_	0,000
10.00-20 JOPR 12.00-30 JOP	10				. , ,		1:											
Second Part	띪		· ·															
Second Part	뿔		Number of tires, front / rear (X driven)		#			x4	/2									
4-2 Most Iti, forward / back 0/5 Degree 15F7 12'B 15F7 12'B 15F7 12'B 4-2 Height of mast lowered nt in nmm 141 3.568 141 3.5	5			b10	in	mm	72.5		1,8	342	72.	5	1,8	342	72.	.5	1,8	342
### Height of mast lowered		3-7	Tread width, rear	b11	in	mm)18	79.	4	2,0)18	79.			J18
A-4 Height (top of fork)			,			ree		15°F /										
4-41 Lift height (clored not fork)																		
4-11. Lift height (bottom of fork) 4-5 Height extended 4-7 Height text op of operator compartment (open cab) he in mm 121 3,083 121 3,08																		
4-7 Height Lextended				h3														
4-71 Height to for perator compartment (open cath) 66 in mm 121 3,083				h4														
4-72 Height, top of operator comp (closed act ab v airco) 160 in mm 122 3,110 122 3,110 122 3,110 122 3,110 124 3,110 125																		
4-72 Height, top of operator comp (closed act w strobe light) 4-74 Height, top of operator comp (closed act w work light) 4-74 Height, top of operator comp (closed act w work light) 4-75 4-8 Set height to set point index (SIP) 6-16																		
4-73 Height, top of operator comp (closed act w/ work lights) 66 n mm 12° 3,20° 12° 3,20° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,22° 12° 3,23° 12°									,									
4-74 Height, top of operator comp (closed cab w/ stork lights) hb in mm 127 3,229 127 3,229 127 3,229 127 3,235 127																		
\$\frac{44.8}{3} \$\frac{44.8}{3} \$\sqrt{10.9}\$ \$\frac{41.2}{10.9}\$ \$\cdot{10.9}\$ \$\cdot{11.9}\$ \$\				h6	in	mm												
4-21 Overall width of truck b.2 in mm 98 2,490 38 2,490 98 2,490 24-33 57 rct dimension 5fell in mm 58 170 57 rct dimension 5fell in mm 58 57 rct dimension 5fell in mm 56 5fell	(0)	4-7-5	Height, top of operator comp (closed cab w/ airco & strobe)		in	mm	127		3,2	235	12	7	3,2	235	12	7	3,2	235
4-21 Overall width of truck b.2 in mm 98 2,490 38 2,490 98 2,490 24-33 57 rct dimension 5fell in mm 58 170 57 rct dimension 5fell in mm 58 57 rct dimension 5fell in mm 56 5fell	ĕ	4-8	Seat height to seat point index (SIP)		in	mm												
4-21 Overall width of truck b.2 in mm 98 2,490 38 2,490 98 2,490 24-33 57 rct dimension 5fell in mm 58 170 57 rct dimension 5fell in mm 58 57 rct dimension 5fell in mm 56 5fell	Ş			_														
4-21 Overall width of truck b.2 in mm 98 2,490 38 2,490 98 2,490 24-33 57 rct dimension 5fell in mm 58 170 57 rct dimension 5fell in mm 58 57 rct dimension 5fell in mm 56 5fell	픻																	
4-22 Fork climension	百																	
A-23 Fork carriage type								72										
4-24 Carriage width b3 in mm 98.3 2.496 98.3 2.496 98.3 2.496 4-25-2 Fork spread, mix (in-in-) b5 in mm 5.3 134 134				3/6/1														
A-25-T Fork spread, min (in-in) b5 in mm 5.3 134 5.3 134 5.3 134 5.4 5.3 134 5.4 5.3 134 5.4 5.5		4-24	Carriage width	b3	,			ii a piii										
4-30 Sideshift 4-30 Cound clearance, under mast with load		4-25-1	Fork spread, min (in-in)															
4-31 Ground clearance, under mast with load m1 in mm 9.6 245 245 9.6 245 9.6 245 2		4-25-2	Fork spread, max (out-out)	b5	in	mm	92.8		2,3	56	92.	8	2,3	356	92.	.8	2,3	356
4-32 Ground clearance, center of wheelbase mz in mm 13.4 341																		
4-34 Minimum aisle width (add load length & clearance)																		
4-35																		
4-36																		
S-1			Inner turning radius															
Figure F				510									,				,	
S-8 Gradeability - max, with / without load (2) % 19 34 18 32 23 36	뜅																	
S-8 Gradeability - max, with / without load (2) % 19 34 18 32 23 36	₹ I				ft/min	m/s	106	94	0.54	0.48	106	94	0.54	0.48	106	94	0.54	0.48
S-8 Gradeability - max, with / without load (2) % 19 34 18 32 23 36	N N				lb	kN	5,300 6	5,500	30	33	5,000	6,400	30	33	5,800	6,600	31	33
S-8 Gradeability - max, with / without load (2) % 19 34 18 32 23 36	띪		, , , , , , , , , , , , , , , , , , , ,					3,700										
Battery voltage / nominal capacity - 2 battery packs kWh 165	핕																	
Section Sect							19		-	4	18			2	23			16
Column			Lift motor rating at \$2.15%															
Section Sect																		
Section Sect	으																	
6-4-2 Battery capacity - 3 battery packs KWh 209 209 209	Ę,						363			34	36			34	36			84
Column C	<u> </u>	6-4-2	Battery capacity - 3 battery packs					20										
Battery weight - 3 battery packs Ib kg 3,867 1,754 3		6-4-2	Battery voltage / nominal capacity - 3 battery packs		V /	Ah	363		57	76	36	3	5	76	36	3	57	76
8-1 Type of drive unit 8-3 Wheel drive / drive axle manufacturer / type 8-4 Service brake 8-5 Parking brake 10-1 Vorking pressure for attachments 10-2 Oil volume for attachments 10-3 Hydraulic oil tank, capacity 10-5 Steering design 10-6 Number of steering rotations Type /# AC Electric Kessler / D81 Kessler / D81 Coil immersed (wet) disc Spring apply, dry disc on drive axle Spring apply, dry disc on drive axle 2,828 19.5 2,828 19.5 2,828 19.5 26.4 100 26.4 100 28.8 109 19-5 Steering design Type Hydraulic power steering					lb	kg	3,289)	1,4	192	3,7	74	1,7	'12	2,93	37		
Second									,	'54	3,8			754	3,8			754
Spring apply, dry disc on drive axle Spring apply, dr	ш																	
Spring apply, dry disc on drive axle Spring apply, dr	\ S										0"			1:	0			
10-1 Working pressure for attachments psi MPa 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 20 20 20 20 20 20 20 2																		
10-3 Hydraulic oil tank, capacity gal 1 28.8 109 28.8 109 28.8 109 10-5 Steering design Type Hydraulic power steering 10-6 Number of steering rotations # 5.0 5.0 5.0																		
10-6 Number of steering rotations # 5.0 5.0 5.0	ပ္ပ					1/111												
10-6 Number of steering rotations # 5.0 5.0 5.0	SE .					oe												
							, , , , , ,				/-			Ü	,			Ŭ

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

J230XD48 | J250XD48 | J280XD48 SPECIFICATIONS

		Manufacturer					HYS				HYS					TER	
-		Model designation					J230)				J250)					XD48	
뒳		Powertrain / drivetrain Operator type					Elec Sea				Elec					ctric	
GENERAL		Rated load capacity	Q	lb	kg	23,0		10,4	132	25,0	Sea		340	28,0		ated 12	701
ᇙ		Load center	c1	in	mm	48		1,2		48			119	48			219
		Load distance	Х	in	mm	35.		88		35.		88		35.			89
	1-9	Wheelbase	у	in	mm	13		3,3		13			00	13			500
တ	2-1	Total truck weight without load (1)		lb	kg	41,1	167	18,	673	42,6	600	19,	323	43,6	78	19,	812
WEIGHTS	2-2	Axle loading with load, front / rear		lb	kg	58,650	5,518	26,603		61,721	5,880	27,996	2,667	65,394		29,662	2,850
Ĭ∯ŀ					-					20,750				20,529			
>	2-3	Axle loading without load, front / rear		lb Tra	_	20,955			9,168	20,750	-		9,911	20,529			10,501
-		Tire type Tire size, front		Тур	je		Pneui 12.00-2				Pneur 12.00-2					matic 20 20PR	
EELS		Tire size, rear					12.00-2				12.00-2					20 20PR	
里		Number of tires, front / rear (X driven)		#			x4				x4					1/2	
		Tread width, front	b10	in "	mm	72.		1,8	42	72.		1,8	42	72.			342
	3-7	Tread width, rear	b11	in	mm	79.		2,0	118	79.			118	79.	4	2,0	018
		Mast tilt, forward / back	α/β	Deg	ree		15°F /	12°B			15°F /	12°B			15°F	/ 12°B	
		Height of mast lowered	h1	in	mm	14		3,5		14		3,5		14			568
		Freelift	h2	in	mm	0)	0)	0			0
		Lift height (top of fork)	h3	in	mm	14		3,7		14		3,7		14			750
		Lift height (bottom of fork) Height, extended	b4	in	mm	14		3,6		14 21		3,6		14 21			308
		Height to top of operator compartment (open cab)	h4 h6	in in	mm mm	21: 12		5,3 3,0		12		3,0	198 183	12			398 083
		Height, top of operator comp (closed cab)	h6	in	mm	12		3,1		12			10	12			110
		Height, top of operator comp (closed cab w/ airco)	h6	in	mm	12		3,1		12		3,1		12:			110
		Height, top of operator comp (closed cab w/ strobe light)	h6	in	mm	12		3,2		12			205	12			205
	4-7-4	Height, top of operator comp (closed cab w/ work lights)	h6	in	mm	12	7	3,2	29	12	7	3,2	29	12	7	3,2	229
· ·		Height, top of operator comp (closed cab w/ airco & strobe)		in	mm	12		3,2		12			35	12			235
lä		Seat height to seat point index (SIP)	h7	in	mm	75		1,9		75		1,9		75			903
ĮŠ.		Tow coupler height	h10	in	mm	27		68		27		68		27			89
DIMENSIONS		Overall length Length to load face	l1 l2	in in	mm mm	29: 19		7,4 4,9		29 19		7,4 4,9		30 20			7 49 314
≣ ⊦		Overall width of truck	b2	in	mm	98		2,4		98		2,4		98			498
F		Fork dimension	s/e/l	in	mm	3.5 / 8		90 / 200		3.5 / 8		90 / 200		3.5 / 8			0 / 2,435
		Fork carriage type	0,0,1	Typ				type carr			dard pin					type car	
		Carriage width	b3	in	mm	98.		2,4		98.	.3		196	98.			496
		Fork spread, min (in-in)	b5	in	mm	5.3	3	13	34	5.3	3	13	34	5.3	3	1:	34
<u> </u>		Fork spread, max (out-out)	b5	in	mm	92.		2,3		92.			56	92.			356
_		Sideshift	b8	in	mm	0)	0)	0			0
-		Ground clearance, under mast with load	m1	in	mm	9.6		24		9.0		24		9.6			45
-		Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance)	m2 Ast	in in	mm	13. 21		34		13. 21		34	11 162	13. 23			41 336
-		Outside turning radius	Wa	in	mm mm	18		5,4 4,5		18			73				947
-		Inner turning radius	b13	in	mm	70.			11 0	10							ודכ
			2.0						78	70	0			19: 76	4		941
岁				mph	km/h	15	15	25	78 25	70. 15	.0		78 25	76. 15	4 15		941 25
Ā				ft/min	km/h m/s	71	15 79	25 0.36	25 0.40	15 71	15 79	1,7 25 0.36	78 25 0.40	76. 15 71	15 79	1,9 25 0.36	25 0.40
~		Lowering speed, with / without load		ft/min ft/min	m/s m/s	71 106	15 79 94	25 0.36 0.54	25 0.40 0.48	15 71 106	15 79 94	1,7 25 0.36 0.54	78 25 0.40 0.48	76. 15 71 106	15 79 94	1,9 25 0.36 0.54	25 0.40 0.48
Tö -	5-5	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2)		ft/min ft/min lb	m/s m/s kN	71 106 5,600	15 79 94 6,500	25 0.36 0.54 31	25 0.40 0.48 33	15 71 106 5,500	15 79 94 6,500	1,7 25 0.36 0.54 31	778 25 0.40 0.48 33	76. 15 71 106 5,300	15 79 94 6,400	1,9 25 0.36 0.54 30	25 0.40 0.48 33
RFOF	5-5 5-6	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3)		ft/min ft/min lb	m/s m/s kN kN	71 106 5,600 12,800	15 79 94 6,500 13,700	25 0.36 0.54 31 63	25 0.40 0.48 33 65	15 71 106 5,500 12,700	15 79 94 6,500 13,700	1,7 25 0.36 0.54 31 63	78 25 0.40 0.48 33 65	76. 15 71 106 5,300 12,500	15 79 94 6,400 13,600	1,9 25 0.36 0.54 30 63	25 0.40 0.48 33 65
PERFORMANCE	5-5 5-6 5-7	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2)		ft/min ft/min lb lb	m/s m/s kN kN	71 106 5,600 12,800	15 79 94 6,500 13,700	25 0.36 0.54 31 63	25 0.40 0.48 33 65	15 71 106 5,500 12,700	15 79 94 6,500 13,700	1,7 25 0.36 0.54 31 63	78 25 0.40 0.48 33 65	76. 15 71 106 5,300 12,500	15 79 94 6,400 13,600	1,9 25 0.36 0.54 30 63	25 0.40 0.48 33 65
PERFOR	5-5 5-6 5-7 5-8	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2)		ft/min ft/min lb lb	m/s m/s kN kN	71 106 5,600 12,800	15 79 94 6,500 13,700	25 0.36 0.54 31 63 1	25 0.40 0.48 33 65	15 71 106 5,500 12,700	15 79 94 6,500 13,700	1,7 25 0.36 0.54 31 63 1	78 25 0.40 0.48 33 65	76. 15 71 106 5,300 12,500	15 79 94 6,400 13,600	1,9 25 0.36 0.54 30 63	25 0.40 0.48 33 65
PERFOR	5-5 5-6 5-7 5-8 6-1	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2)		ft/min ft/min lb lb	m/s m/s kN kN	71 106 5,600 12,800	15 79 94 6,500 13,700	25 0.36 0.54 31 63 1 3	25 0.40 0.48 33 65	15 71 106 5,500 12,700	15 79 94 6,500 13,700	1,7 25 0.36 0.54 31 63 1	78 25 0.40 0.48 33 65	76. 15 71 106 5,300 12,500	15 79 94 6,400 13,600	1,9 25 0.36 0.54 30 63	25 0.40 0.48 33 65
-	5-5 5-6 5-7 5-8 6-1 6-2 6-3	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type		ft/min ft/min lb lb %	m/s m/s kN kN	71 106 5,600 12,800	15 79 94 6,500 13,700 1	25 0.36 0.54 31 63 1 3 6	25 0.40 0.48 33 65	15 71 106 5,500 12,700	15 79 94 6,500 13,700	1,7 25 0.36 0.54 31 63 1 36 55	78 25 0.40 0.48 33 65	76. 15 71 106 5,300 12,500	15 79 94 6,400 13,600)	1,9 25 0.36 0.54 30 63 1	25 0.40 0.48 33 65
RIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, \$2.60 min Lift motor rating at \$3.15%		ft/min ft/min lb lb % % kV	m/s m/s kN kN kN	71 106 5,600 12,800	15 79 94 6,500 13,700 1 2 4	25 0.36 0.54 31 63 1 36 65 55	25 0.40 0.48 33 65	15 71 106 5,500 12,700	15 79 94 6,500 13,700 1 1	1,7 25 0.36 0.54 31 63 1 36 5 5	78 25 0.40 0.48 33 65	76. 15 71 106 5,300 12,500	15 79 94 6,400 13,600)) 4	1,9 25 0.36 0.54 30 63 1 36 66	25 0.40 0.48 33 65
RIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery voltage / nominal capacity - 2 battery packs		ft/min ft/min lb lb % kV kV Tyg kW	m/s m/s kN kN kN vv vv pee //h Ah	71 106 5,600 12,800	15 79 94 6,500 13,700 1 2 4 16 Li-i	25 0.36 0.54 31 63 1 3 6 6 55 ion	25 0.40 0.48 33 65 8	15 71 106 5,500 12,700	15 79 94 6,500 13,700 0 1 44 16 Li-i 13	1,7 25 0.36 0.54 31 63 1 35 55 on	778 25 0.40 0.48 33 65 8	76. 15 71 106 5,300 12,500	15 79 94 6,400 13,600)) 4 16 Li- 13	1,8 25 0.36 0.54 30 63 1 36 65 ion 39	25 0.40 0.48 33 65
ECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1 6-4-2	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery voltage / nominal capacity - 2 battery packs Battery capacity - 3 battery packs		ft/min ft/min lb lb % kV kV Typ kW V / kW	m/s m/s kN kN V V ODE	71 106 5,600 12,800 11 22	15 79 94 6,500 13,700 1 2 4 16 Li-i 13	25 0.36 0.54 31 63 1 36 65 55 600 39 38	25 0.40 0.48 33 65 8 5	15 71 106 5,500 12,700 10 2	15 79 94 6,500 13,700 0 1 44 16 Li-i 13 3	1,7 25 0.36 0.54 31 63 1 36 55 on 9	778 25 0.40 0.48 33 65 8 3	76. 15 71 106 5,300 12,500 10 20	15 79 94 6,400 13,600 0 16 Li- 13 3	1,8 25 0.36 0.54 30 63 1 36 65 ion 39	25 0.40 0.48 33 65 17 33
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1 6-4-2 6-4-2	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery voltage / nominal capacity - 2 battery packs Battery capacity - 3 battery packs Battery voltage / nominal capacity - 3 battery packs		ft/min ft/min lb lb % kV kV Typ kW V /	m/s m/s kN kN V V pee //h Ah	71 106 5,600 12,800 11 22 36	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33	25 0.36 0.54 31 63 1 36 65 55 5000 39 38	25 0.40 0.48 33 65 8 5	15 71 106 5,500 12,700 10 2'	15 79 94 6,500 13,700 0 1 4 16 Li-i 13 3	1,7 25 0.36 0.54 31 63 1 36 55 on 9	778 25 0.40 0.48 33 65 8 3	76. 15 71 106 5,300 12,500 10 20	15 79 94 6,400 13,600 0 10 Li- 13 3	1,5 25 0.36 0.54 30 63 1 3 66 65 ion 39 39 55	25 0.40 0.48 33 65 17 33
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1 6-4-2 6-4-2 6-4-2	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery coltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery voltage / nominal capacity - 3 battery packs Battery woltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs		ft/min ft/min lb lb % % kV Tyg kW V /	m/s m/s kN kN w V V pee v/h Ah kg	71 106 5,600 12,800 11 22 36 36 3,28	15 79 94 6,500 13,700 1 2 4 16 Li-i 33 2 20 83	25 0.36 0.54 31 63 1 3 6 6 55 5 5 6 9 38 9 57 1,4	25 0.40 0.48 33 65 8 5	15 71 106 5,500 12,700 10 2°	15 79 94 6,500 13,700 0 1 44 16 Li-i 13 3 20 3	1,7 25 0.36 0.54 31 63 1 3 65 5 on 9 38 9	778 25 0.40 0.48 33 65 8 3	76. 15 71 106 5,300 12,500 10 20 366	15 79 94 6,400 13,600 0 16 Li- 13 3 20 3	1,5 25 0.36 0.54 30 63 1 3 66 65 ion 39 39 5	25 0.40 0.48 33 65 7 33
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1 6-4-2 6-4-2 6-5-1 6-5-2	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, \$2.60 min Lift motor rating at \$3.15% Battery type Battery capacity - 2 battery packs Battery capacity - 2 battery packs Battery voltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 2 battery packs Battery weight - 3 battery packs Battery weight - 3 battery packs		ft/min ft/min lb lb % kV kV Ty kW V / lb lb	m/s m/s kN kN w V V pee //h Ah kg kg	71 106 5,600 12,800 11 22 36	15 79 94 6,500 13,700 1 2 4 16 Li-i 33 20 83 89 67	25 0.36 0.54 31 63 1 3 6 6 65 55 ion 39 38 9 57 1,4	25 0.40 0.48 33 65 8 5	15 71 106 5,500 12,700 10 2'	15 79 94 6,500 13,700) 1 44 16 Li-i 13 3 20 3 89 67	1,7 25 0.36 0.54 31 63 1 36 5 5 on 9 38 9 5,1 4	778 25 0.40 0.48 33 65 8 3	76. 15 71 106 5,300 12,500 10 20	15 79 94 6,400 13,600)) 4 10 Li- 13 3 20 3 3 37 67	1,5 25 0.36 0.54 30 63 1 36 65 ion 39 55 1,7	25 0.40 0.48 33 65 17 33
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1 6-4-2 6-4-2 6-5-1 6-5-2 8-1	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery capacity - 2 battery packs Battery coltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 3 battery packs Type of drive unit		ft/min ft/min lb lb % kV kV Typ kW V / lb lb Type	m/s m/s kN kN kN V V pee //h Ah kg kg kg / #	71 106 5,600 12,800 11 22 36 36 3,28	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 63 20 33 89 67 AC Ele	25 0.36 0.54 31 63 1 36 65 55 600 39 38 09 57 1,4 1,7 ectric	25 0.40 0.48 33 65 8 5	15 71 106 5,500 12,700 10 2°	15 79 94 6,500 13,700 0 1 4 16 Li-i 13 3 20 3 89 67 AC Ele	1,7 25 0.36 0.54 31 63 1 36 55 on 9 38 9 57 1,7 ectric	778 25 0.40 0.48 33 65 8 3	76. 15 71 106 5,300 12,500 10 20 366	15 79 94 6,400 13,600)) 10 Li- 13 3 20 3 37 67 AC El	1,5 25 0.36 0.54 30 63 1 36 65 ion 39 39 55 1,5,7 ectric	25 0.40 0.48 33 65 7 33
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1 6-4-2 6-4-2 6-5-1 6-5-2 8-1 8-3	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery voltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 3 battery packs Battery weight - 3 battery packs Type of drive unit Wheel drive / drive axle manufacturer / type		ft/min ft/min lb lb % kV kV Ty kW V / / kW Type lb lb Type	m/s m/s kN kN kN V V pee //h Ah kg kg // # pee	71 106 5,600 12,800 11 22 36 36 3,28 3,86	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33 20 33 89 67 AC Eli Kessler	25 0.36 0.54 31 63 1 36 65 55 500 39 38 09 57 1,4 1,7 ectric	25 0.40 0.48 33 65 8 5	15 71 106 5,500 12,700 11 2' 36 36 3,2' 3,8(15 79 94 6,500 13,700 0 1 4 16 Li-i 13 3 20 3 89 67 AC Ele Kessler	1,7 25 0.36 0.54 31 63 1 35 55 on 9 38 1,7 ectric / D81	78 25 0.40 0.48 33 65 8 3 34	76. 15 71 106 5,300 12,500 20 20 366 2,93 3,86	15 79 94 6,400 13,600 0 0 1 16 Li- 13 3 2 3 3 7 67 AC El Kesslei	1,5 25 0.36 0.54 30 63 13 66 65 ion 39 30 5 1,7 ectric	25 0.40 0.48 33 65 77 33
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-2 6-4-2 6-5-1 6-5-2 8-1 8-3	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery capacity - 2 battery packs Battery coltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 3 battery packs Type of drive unit		ft/min ft/min lb lb % kV kV Typ kW V / lb lb Type	m/s m/s kN kN 66 V V V ppe //h Ah kg kg e / # ppe	71 106 5,600 12,800 11 22 36 36 3,28 3,86	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33 20 33 89 67 AC Ele Kessler immerse	25 0.36 0.54 31 63 1 36 655 ion 39 38 99 57 1,4 1,7 ectric / D81 d (wet) dd (wet) dd	25 0.40 0.48 33 65 8 5 5	15 71 106 5,500 12,700 11 2' 36 36 3,2' 3,8(15 79 94 6,500 1 13,700 1 1 44 16 Li-i 13 3 20 3 89 67 AC Ele Kessler mmerse	1,7 25 0.36 0.54 31 63 1 35 55 on 9 38 1,7 ectric 7 D81 d (wet) dd	78 25 0.40 0.48 33 65 8 3 3 3 isc	76. 15 71 106 5,300 12,500 20 20 366 2,93 3,86	15 79 94 6,400 13,600 0 0 16 Li- 13 3 2 3 3 7 67 AC El Kesslei	1,5 25 0.36 0.54 30 63 1 3 66 65 ion 39 5 1,3 1,7 ectric r / D81	25 0.40 0.48 33 65 7 7 33 84 76 332 754
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-2 6-4-2 6-5-1 6-5-2 8-1 8-3 8-4 8-5 10-1	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, \$2.60 min Lift motor rating at \$3.15% Battery type Battery capacity - 2 battery packs Battery capacity - 2 battery packs Battery capacity - 3 battery packs Battery voltage / nominal capacity - 2 battery packs Battery woltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 2 battery packs Wheel drive / drive axle manufacturer / type Service brake Parking brake Working pressure for attachments		ft/min ft/min lb lb % kV kV Ty kW V / lb lb Type Typ Typ	m/s m/s kN kN 66 V V V ppe //h Ah kg kg e / # ppe	71 106 5,600 12,800 11 22 36 36 3,22 3,86 Oil i Spring ag	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33 20 33 89 67 AC Ele Kessler immerse pply, dry 28	25 0.36 0.54 31 63 1 65 65 50 109 57 1,4 1,7 ectric / D81 d (wet) d disc on d	25 0.40 0.48 33 65 8 5	15 71 106 5,500 12,700 10 2' 36 36 3,2: 3,8! Spring ag 2,8:	15 79 94 6,500 13,700 0 1 44 166 Li-i 13 3 20 3 89 67 AC Ele Kessler mmerse oply, dry 28	1,7 25 0.36 0.54 31 63 1 3 3 5 5 5 on 9 38 9 5,7 extric / D81 d (wet) d disc on d	78 25 0.40 0.48 33 65 8 3 3 3 4 76 992 754 isc rive axle 0.5	76. 15 71 106 5,300 12,500 10,200 36,293 3,860 36,293 3,860 5,900	15 79 94 6,400 13,600 0 0 10 Li- 13 3 2 3 3 7 67 AC El Kessler immerse opply, dry	1,5 25 0.36 0.54 30 63 1 3 66 65 ion 39 3,3 09 5,1,7 ectric r / D81 ad (wet) of discono	25 0.40 0.48 33 65 17 33 84 76 332 754
DRIVE ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-1 6-4-2 6-5-1 6-5-2 8-1 8-3 8-4 8-5 10-1 10-2	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, S2 60 min Lift motor rating at S3 15% Battery type Battery capacity - 2 battery packs Battery capacity - 2 battery packs Battery coltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 2 battery packs Type of drive unit Wheel drive / drive axle manufacturer / type Service brake Parking brake Working pressure for attachments Oil volume for attachments		ft/min ft/min lb lb % kV KV Typ kW V / . lb lb Type Typ Typ Typ gpm	m/s m/s kN kN 66 V V V ppe /h Ah kg kg kg / # ppe ppe ppe MPa I/m	71 106 5,600 12,800 11,800 11 22 36 36 3,28 3,86 Oil i Spring ag 2,8%	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33 20 63 89 67 AC Ele Kessler immerse pply, dry 28	25 0.36 0.54 31 63 65 500 89 38 99 57 1,4 1,7 ectric / D81 d (wet) d disc on d	25 0.40 0.48 33 65 8 5 34 76 992 54 isc rive axle .5	15 71 106 5,500 12,700 11 22 36 3,24 3,81 Spring ag 2,8;	15 79 94 6,500 13,700 0 1 44 16 Li-i 13 3 20 3 89 67 AC Ele Kessler mmerse poply, dry vog 28	1,7 25 0.36 0.54 31 63 1 3 6 5 5 5 on 9 38 1,7 extric / D81 d (wet) d	78	76. 15 71 106 5,300 12,500 20 36 36 36 2,93 3,86 Spring age 2,8% 26.	15 79 94 6,400 13,600 1 13,600 1 10 Li- 13 3 2 3 3 7 67 AC El Kesslei immerse poply, dry 28	1,5 25 0.36 0.54 30 63 13 36 66 65 ion 39 36 1,7 ectric r / D81 dd (wet) oddisc on oddisc	25 0.40 0.48 33 65 7 33 84 76 332 754 drive axle 9.5
DRIVE ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-2 6-4-2 6-5-1 6-5-2 8-1 8-3 8-4 8-5 10-1 10-2 10-3	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, \$2 60 min Lift motor rating at \$3 15% Battery type Battery capacity - 2 battery packs Battery coltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 2 battery packs Battery weight - 3 battery packs Battery weight - 3 battery packs Battery weight - 4 battery packs Battery weight - 5 battery packs Battery weight - 5 battery packs Battery weight - 6 battery packs Battery weight - 7 battery packs Battery weight - 8 battery packs Battery weight - 9 battery packs Battery weight - 10 battery packs Battery w		ft/min ft/min lb lb % kV kV Tyr kW V / kW V / lb Type Tyr Tyr gpm gal	m/s m/s kN kN kN c c d d d d d d d d d d d d d d d d d	71 106 5,600 12,800 11,800 11 22 36 3,28 3,86 Oil i Spring as 2,86 28.	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33 20 63 89 67 AC Eli Kessler immerse pply, dry 28 .4	25 0.36 0.54 31 63 6 65 500 19 39 38 39 57 1,4 1,7 ectric 7 D81 d (wet) d disc on d	25 0.40 0.48 33 65 8 5 8 5 65 8 5 76 992 54 isc rive axle	15 71 106 5,500 12,700 11 2 36 36 3,24 3,86 Spring as 2,86 2,86 2,86	15 79 94 6,500 1 13,700 1 1 44 16 Li-i 13 3 3 20 3 89 67 AC Ele Kessler mmerse poly, dry	1,7 25 0.36 0.54 31 63 1 33 35 55 on 9 38 1,7 ectric / D81 d (wet) d disc on d	78 25 0.40 0.48 33 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 6 6 6 6 6 6 6 6 6 6 6 6 6	76. 15 71 106 5,300 12,500 20 36. 20 36. 2,93 3,86 Spring at 2,86 28.	15 79 94 6,400 13,600 13,600 10 4 16 Li- 11: 3 20 3 3 7 AC El Kessler immerse poly, dry 28 4	1,5 25 0.36 0.54 30 63 13 66 65 ion 39 30 99 5 1,3 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5	25 0.40 0.48 33 65 7 33 84 76 332 754 drive axle 9.5 00
ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-2 6-5-1 6-5-2 8-1 8-3 8-4 10-1 10-2 10-3 10-5	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, \$2.60 min Lift motor rating at \$3.15% Battery type Battery capacity - 2 battery packs Battery voltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 3 battery packs Dype of drive unit Wheel drive / drive axle manufacturer / type Service brake Parking brake Working pressure for attachments Oil volume for attachments Hydraulic oil tank, capacity Steering design		ft/min ft/min lb	m/s m/s kN	71 106 5,600 12,800 11,800 11 22 36 3,28 3,86 Oil i Spring as 2,86 28.	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33 20 33 89 67 AC El Kessler immerse pply, dry 28 .4 .8 liration and a second a second and a second a second and a second a second and a second a second and a second and a second and a second and a second a second and a second a sec	25 0.36 0.54 31 63 65 65 65 65 65 67 1,7 ectric 67 / D81 d (wet) d disc on d 19 10 10 10 10 10 10 10 10 10 10 10 10 10	25 0.40 0.48 33 65 8 5 8 5 65 8 5 76 992 54 isc rive axle	15 71 106 5,500 12,700 11 2 36 36 3,24 3,86 Spring as 2,86 2,86 2,86	15 79 94 6,500 1 13,700 1 1 44 16 Li-i 13 3 3 89 67 AC Ele Kessler mmerse pply, dry 28 .4 .8 raulic por	1,7 25 0.36 0.54 31 63 1 3 63 5 5 on 9 38 9 57 1,2 extric 7 D81 d (wet) ddisc on d 19 10 wer steer	78 25 0.40 0.48 33 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 6 6 6 6 6 6 6 6 6 6 6 6 6	76. 15 71 106 5,300 12,500 20 36. 20 36. 2,93 3,86 Spring at 2,86 28.	15 79 94 6,400 13,600 0 10 113,600 10 113,600 113 3 3 3 3 7 AC El Kessler immerse oply, dry 28 4 8 raulic po	1,5 25 0.36 0.54 30 63 1 3 66 65 ion 39 5 1,7 ectric r / D81 ed (wet) of disc on of 19 11 ower steep	25 0.40 0.48 33 65 7 33 84 76 332 754 drive axle 9.5 00
DRIVE ELECTRIC	5-5 5-6 5-7 5-8 6-1 6-2 6-3 6-4-1 6-4-2 6-5-2 6-5-2 8-3 8-4 8-5 10-1 10-2 10-5 10-6	Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load (2) Drawbar pull - max, with / without load (3) Gradeability - 1 mph (1.6 km/h), with / without load (2) Gradeability - max, with / without load (2) Drive motor rating, \$2 60 min Lift motor rating at \$3 15% Battery type Battery capacity - 2 battery packs Battery coltage / nominal capacity - 2 battery packs Battery voltage / nominal capacity - 3 battery packs Battery weight - 2 battery packs Battery weight - 2 battery packs Battery weight - 3 battery packs Battery weight - 3 battery packs Battery weight - 4 battery packs Battery weight - 5 battery packs Battery weight - 5 battery packs Battery weight - 6 battery packs Battery weight - 7 battery packs Battery weight - 8 battery packs Battery weight - 9 battery packs Battery weight - 10 battery packs Battery w		ft/min ft/min lb lb % kV kV Tyr kW V / kW V / lb Type Tyr Tyr gpm gal	m/s m/s kN kN kN 666 660 660 660 660 660 660 660 660 66	71 106 5,600 12,800 11,800 11 22 36 3,28 3,86 Oil i Spring as 2,86 28.	15 79 94 6,500 13,700 1 2 4 16 Li-i 13 33 20 63 89 67 AC Eli Kessler immerse pply, dry 28 .4	25 0.36 0.54 31 63 6 65 55 ion 39 38 99 57 1,4 1,7 ectric 7 / D81 d (wet) d disc on d	25 0.40 0.48 33 65 8 5 8 5 65 8 5 76 992 54 isc rive axle	15 71 106 5,500 12,700 11 2 36 36 3,24 3,86 Spring as 2,86 2,86 2,86	15 79 94 6,500 1 13,700 1 1 44 16 Li-i 13 3 3 20 3 89 67 AC Ele Kessler mmerse poly, dry	1,7 25 0.36 0.54 31 63 1 3 3 5 5 5 5 5 0 9 9 3 8 9 5 1,7 extric 7 D81 d (wet) d disc on d	78 25 0.40 0.48 33 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 65 8 3 6 6 6 6 6 6 6 6 6 6 6 6 6	76. 15 71 106 5,300 12,500 20 36. 20 36. 2,93 3,86 Spring at 2,86 28.	15 79 94 6,400 13,600 0 0 1 11 Li- 13 3 3 37 67 AC El Kessler immerse oply, dry 28 4 8 raulic po	1,5 25 0.36 0.54 30 63 13 66 65 ion 39 30 99 5 1,3 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5 1,5	25 0.40 0.48 33 65 7 33 84 76 332 754 drive axle 9.5 00

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

⁽²⁾ Peak power

BATTERY SPECIFICATIONS

J300-360XD BATTERY CH	ARGER SPEC	IFICATIO	NS									
	Channa			Enclosu	ıre size			Charge	r plug	Oporatio	ng range	
Input voltage	Charge rate (kW)	He	ight	Wi	dth	Thic	kness	cable l	ength	Орегані	iy range	Manufacturer
	rate (KVV)	in	mm	in	mm	in	mm	ft	M	F	С	
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 CH	ARGE 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 BATTE	RY RUN TIME (HOUI	RS)	
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

RAT	ED C	APACI	ΓY: J2	10-230	XD48	@ 48 II	N (122	20 MM)	LOAD	CENTE	R															
					Ov	erall	Ov	erall	Mas	st max	Ma	st max			Stan	dard pin	type car	riage	Apr	on pin t	ype carri	age	Q	D DFSSF	P Carriaç	je
		neight OF		height OF	low	vered eight	exte	ended eight	roll	er lap	ro	ler lap tended)	Mast	weight	J210	XD48	J230	XD48	J210	XD48	J230	XD48	J210	XD48	J230	XD48
	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
1	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
_ 1	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
돌 1	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
2-STAGE	47	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
Į,	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
~ 1	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
1	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
1	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
2	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
2	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
2	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
2	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
2	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.

AII	:D C	APACI	1 Т: П2	250004	_																					
П	Lift I	neight	Lift I	heiaht	-	erall	-	erall		t max	_	st max			Stan	dard pin	type carı	riage	Apı	ron pin ty	/pe carri	age	Q	D DFSSF	P Carria	ge
		OF		0F	-	rered eight		ended eight		er lap acted)		ler lap tended)	Mast	weight	J250	XD48	J280	XD48	J250	XD48	J280	XD48	J250	XD48	J280	XD48
	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
1	08	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
1	18	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
1	27	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
1	37	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
1	47	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
	57	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
	77	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
1	87	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
1	96	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
2	16	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
2	36	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
2	46	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
2	55	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
2	75	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

RAT	ED C	APACI	ΓY: J3	00XD(S	6) @ 2	4 IN (61	10 MN	I) LOAD	CEN.	TER																
					Ov	erall	Ov	erall	Mas	st max	Ma	st max			Stan	dard pin	type car	riage	Ар	ron pin ty	/pe carria	age	Q	D DFSSF	P carriaç	ge
		height OF		height OF	-	ered eight		ended ight		er lap acted)	rol	ler lap ended)	Mast	weight	J30	0XD	J300	XDS	J30	0XD	J300	XDS	J30	0XD	J300	XDS
	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	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	29,800	13,517	29,800	13,517
١.	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	29,800	13,517	29,800	13,517
핅	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	29,800	13,517	29,700	13,472
띯	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	29,700	13,472	29,700	13,472
STA	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	29,700	13,472	29,700	13,472
4	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	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	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	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	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	29,000	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	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	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	17,600	7,983	14,000	6,350

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

RA	TED C	CAPACI	TY: J3	30XD(8	S) @ 2	24 IN (6	10 MI	M) LOAI	D CEN	ITER																
	Lift I	height	Lift	height	_	erall		erall		st max		st max			Standa			ard pin		in type		in type		SSFP		FSSFP
	T	OF		OF	-	rered eight		ended eight		er lap acted)		ler lap		weignt		irriage OXD	- ''	arriage XDS		iage OXD		iage IXDS	carr	iage OXD		iage IXDS
}			*		_		├──		÷		÷			l				 								
	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
		2,750		2,660		3,068		,		2,520			4,209	-	33,000	,	33,000	-	33,000	,	,	-	32,800	14,878	. ,	14,878
	118	3,000	114	2,910	126	3,193	183	4,648	104	2,645	47	1,190			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	32,700	14,832	32,700	14,832
균	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	32,600	14,787	32,600	14,787
Z	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	32,600	14,787	32,600	14,787
Ą	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	32,500	14,742	32,500	14,742
2-ST	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	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	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	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	31,100	14,107	28,300	12,837
ľ	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	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	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	21,300	9,662	17,600	7,983
				-				-					-	-	,		31,300		-		-	-		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 Two 350V integrated lithium-ion batteries with battery management system One additional 350V lithurm-ion battery pack Traction motor rated 62 hp (46 kW) / peak 145 hp (108 kW) On-demand cooling fan Liquid cooling system for motors and controllers Performance modes selectable in integrated performance display Powertrain protection system X Powertrain protection system X DRIVE STD OPT Travel speed limiter - unconditional and customer adjustable Travel speed limiter - loaded (adjustable) Travel speed limiter - loaded (adjustable) 12.00 - 20 20 PR Trelleborg pneumatic bias ply drive and steer tires 12.00 - 20 20 PR Trelleborg pneumatic bias ply drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - 20 Pneumatic shaped solid drive and steer tires 12.00 - Paper matic shaped solid drive and steer tires 12.00 - Paper matic shaped solid drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg prematic shaped solid drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 radial drive and st			
System One additional 350V lithum-ion battery pack Traction motor rated 62 hp (46 kW) / peak 145 hp (108 kW) On-demand cooling fan Liquid cooling system for motors and controllers Performance modes selectable in integrated performance display Powertrain protection system Kessler d81 drive axle with wet disc brakes DRIVE Travel speed limiter - unconditional and customer adjustable Travel speed limiter - loaded (adjustable) Travel speed limiter - work and steer tires 12.00 - 20 20 PR Trelleborg pneumatic bias ply drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - PR20 Michelin XZM radial drive and steer tires 12.00 - PR20 Michelin XZM radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg radial drive and steer tires 12.00 - R20 Trelleborg page description and steer tires 12.00 - R20 Trelleborg page description and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20 Michelin XZM radial drive and steer tires 12.00 - R20	PERFORMANCE	STD	OPT
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On-demand load sensing hydraulic system Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast X 3-stage full free lift mast X Mast tilt - 5° forward / 6° back Mast tilt - 5° forward / 12° back Mast tilt - 15° forward / 12° back Mast tilt - 15° forward / 12° back Mast tilt - 15° forward / 12° back Mast tilt - 20.5° forward / 7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance de-rate HANDLING 98.3" (2496 mm) Pin type carriage with mechanical fork locks 98.3" (2496 mm) Pin type apron-style sideshift carriage 98.4" (2500 mm) Pin type apron-style sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) Do hook type dual function sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions 72" (1824 mm) High load backrest 80" (2040 mm) High load backrest 80" (2040 mm) High load stabilizer (for lumber applications) 72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks** Pin type forks (various sizes) Pin type forks for lumber applications	LIFT	STD	OPT
Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast X X 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 - 15° forward / 12° back X Mast tilt - 15° forward / 7° back X Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance de-rate HANDLING 98.3" (2496 mm) Pin type carriage with mechanical fork locks 98.3" (2496 mm) Pin type carriage with simultaneous and independent fork positioner 98.3" (2496 mm) Pin type apron-style sideshift carriage 98.4" (2500 mm) Pin type apron-style sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions 72" (1824 mm) High load backrest 80" (2040 mm) High load backrest 98" (2500 mm) High load stabilizer (for lumber applications) 72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks** Pin type forks (various sizes) Pin type forks (various sizes) Pin type forks for lumber applications	Hydraulic motor rated 99 hp (74 kW) / peak 223 hp (166 kW)	Х	
Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast X X 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 - 15° forward / 12° back X Mast tilt - 15° forward / 7° back X Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance de-rate HANDLING 98.3" (2496 mm) Pin type carriage with mechanical fork locks 98.3" (2496 mm) Pin type carriage with simultaneous and independent fork positioner 98.3" (2496 mm) Pin type apron-style sideshift carriage 98.4" (2500 mm) Pin type apron-style sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions 72" (1824 mm) High load backrest 80" (2040 mm) High load backrest 98" (2500 mm) High load stabilizer (for lumber applications) 72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks** Pin type forks (various sizes) Pin type forks (various sizes) Pin type forks for lumber applications	On-demand load sensing hydraulic system	х	
2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward / 6° back Mast tilt - 5° forward / 12° back Mast tilt - 15° forward / 10° back Mast tilt - 15° forward / 12° back Mast tilt - 15° forward / 12° back Mast tilt - 20.5° forward / 7° back Mast tilt - 100° forward / 12° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance de-rate HANDLING 98.3" (2496 mm) Pin type carriage with mechanical fork locks 98.3" (2496 mm) Pin type carriage with simultaneous and independent fork positioner 98.3" (2496 mm) Pin type apron-style sideshift carriage 98.4" (2500 mm) Pin type apron-style sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions 72" (1824 mm) High load backrest 80" (2040 mm) High load backrest 98" (2500 mm) High load stabilizer (for lumber applications) 72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks** Pin type forks (various sizes) Pin type forks for lumber applications		х	
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3-stage full free lift mast Mast tilt - 5° forward / 6° back Mast tilt - 5° forward / 12° back Mast tilt - 15° forward / 12° back Mast tilt - 15° forward / 12° back Mast tilt - 15° forward / 12° back Mast tilt - 20.5° forward / 7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance de-rate HANDLING 98.3" (2496 mm) Pin type carriage with mechanical fork locks ya.3" (2496 mm) Pin type apron-style sideshift carriage 98.4" (2500 mm) Pin type apron-style sideshift carriage with simultaneous fork positioner 98.3" (2496 mm) Pin type apron-style sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner 98.3" (2498 mm) QD hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions 72" (1824 mm) High load backrest 80" (2040 mm) High load backrest 98" (2500 mm) High load stabilizer (for lumber applications) 72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks** Pin type forks (various sizes) Pin type forks for lumber applications			х
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72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks* 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	80" (2040 mm) High load backrest		Х
72" Long x 3.5" thick x 7.9" wide (1830 mm x 90 mm x 200 mm) forks* 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	98" (2500 mm) High load stabilizer (for lumber applications)		х
forks** Pin type forks (various sizes) Pin type forks for lumber applications x		х	
Pin type forks for lumber applications x			
	Pin type forks (various sizes)		Х
Hook type quick disconnect DFSSFP forks (various sizes) x	Pin type forks for lumber applications		х
	Hook type quick disconnect DFSSFP forks (various sizes)		х

ERGONOMICS	STD	OPT
Open operator compartment (without doors & screens)	Х	
Enclosed operator cabin		Х
Manual tilt operator compartment for service	Х	
Powered tilt operator compartment for service		Х
Isolated cabin mounting for low noise and vibration	Х	
Operator presence system	Х	
Mechanical suspension seat	Х	
Air suspension seat		Х
Deluxe air suspension seat		Х
Low backrest seat	Х	
High backrest seat		Х
Armrest on left side	Х	
Cloth seat cover		Х
Vinyl seat cover	Х	
Seat heating		Х
Seat ventilation		Х
2-point high visibility seatbelt	Х	
Lateral seat sliding mechanism		Х
Floor mat	Х	
Coat hook	Х	
Front, top and rear wipers		Х
"H"-pattern front wiper (enclosed operator cabin)		Х
"I"-pattern front wiper (enclosed operator cabin)		Х
Laminated glass operator compartment front window		Х
Tinted operator compartment windows (doors, rear and top window)		Х
Tinted operator compartment top window		Х
Armoured glass rain top		Х
Lexan top window		Х
Plexiglass shield in front of front window		Х
Wire mesh installed on top of operator compartment		Х
Vertical steel bar front window guard		Х
Operator shield wire mesh		Х
7" Integrated performance display	х	
TouchPoint™ mini levers hydraulic control integrated in control arm	Х	
Joystick hydraulic control integrated in control arm		Х
Steering wheel without spinner knob	х	
Steering wheel with spinner knob		х
Directional control lever on steering column	х	
Hyster MONOTROL® pedal directional control		х
Directional control on mini-levers or joystick		х
Park brake - automatically applied	Х	
Heater with adjustable speed fan (enclosed operator cabin)		х
Telescoping & tilting steering column	Х	
USB outlet inside armrest	х	
24-12 volt DC converter with 1 socket and 2 USB outlets	Х	
24-12 volt DC converter with 2 sockets and 2 USB outlets		х
Air conditioning		Х
Automatic climate control		х
Reading light		Х
Sun shades on top and rear		х
Sun visors front window		Х

FEATURES AND OPTIONS

ERGONOMICS (continued)	STD	OPT
Cloth trainer seat with 2-point seatbelt		Х
Recirculation fan		х
Additional recirculation fan		Х
Accessory mounting bracket on cab front right pillar		х
Document holder on cab front right pillar		х
Heated top- and/or rear window		х
Radio preparation with 2 speakers and antenna		х
VISIBILITY	STD	OPT
Steel bars on top of cab (open operator compartment)	x	
Top window with armored glass (enclosed operator cabin)	х	
Steel bars under armored glass top window (enclosed operator cabin)		х
Interior wide angle mirrors	х	
Exterior mirrors mounted to cab		х
Rear view camera system		х
Radar object detection system		х
High performance LED work lights		х
Two head lights mounted on front fenders		х
Four mast mounted work lights		х
Four cabin mounted work lights		х
Two rearward work lights mounted on the cabin		Х
LED stop/tail/brake lights	х	
Turn signals, hazard & marker lights (LED)		х
OPERATION	STD	OPT
Air horn 112 dBA		х
Electric horn 105 dBA	х	
Visible alarm – amber strobe light, ignition activated		х
Audible alarm – reverse direction activated 82–102 dB(a), self-adjusting		х
Audible alarm – reverse direction white noise		х

OPERATION (continued)	STD	OPT
Forward / reverse motion alarm		Х
Blue LED spotlight – rear / front and rear		Х
Tire pressure monitoring system		Х
Air conditioning shut-off with open door		Х
Lockable battery disconnect switch	Х	
Operator password (display) for truck start	х	
Seatbelt interlock for truck start		Х
Power distribution group with fuses	х	
Fuses below 30 amps replaced by electric circuit breakers		Х
Hyster Tracker™ wireless asset management - access / verification		Х
Hyster Tracker™ wireless asset management - monitoring	х	
Auto greasing system for basic truck & outer mast		х
24 volt electrical system	х	
Steer wheel lug nut protection		Х
Front and/or rear mud guards		х
Lifting eyes - 2 front and 2 rear		Х
APPEARANCE	STD	OPT
Second capacity plate		Х
Hyster yellow paint base truck	х	
Special paint base truck		Х
Operator compartment special paint (complete cabin)		Х
Hazard warning striping on counterweight		Х
SUPPLEMENTAL	STD	OPT
Literature package	Х	
Operator's manual	х	
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	х	





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