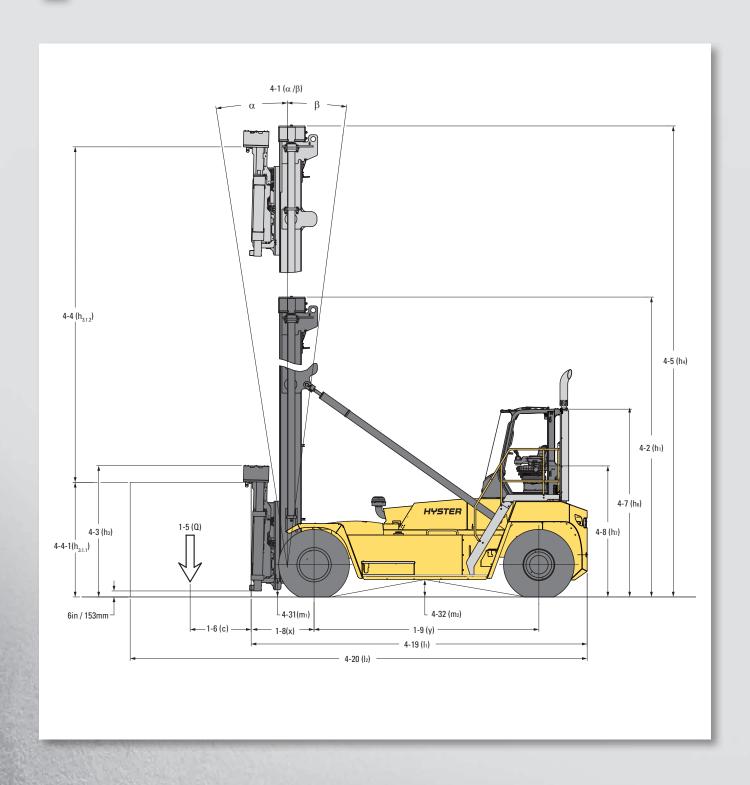
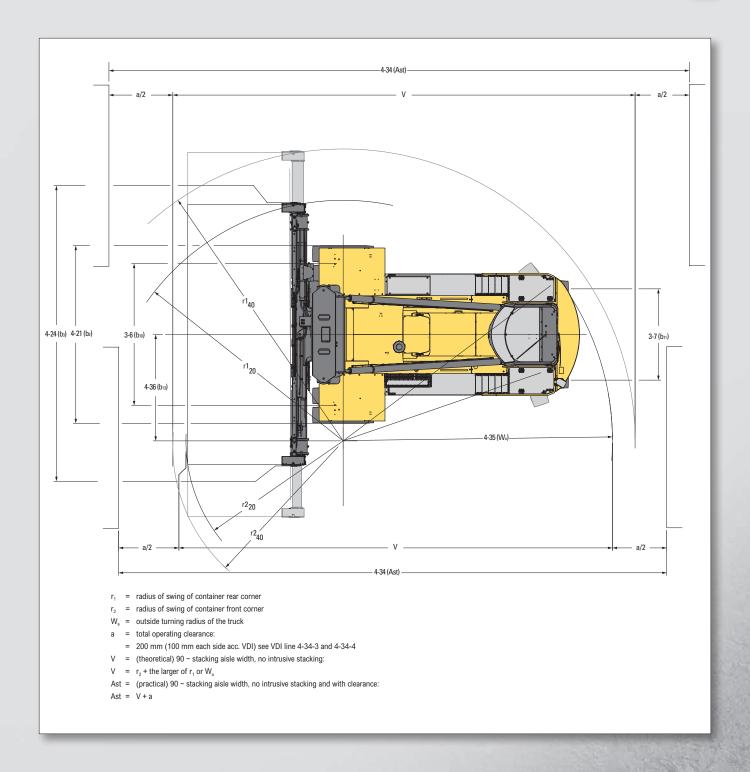




H180-200XD EC6-8 H200-230XD ECD7-9 SERIES TECHNICAL GUIDE

DIMENSIONS





> H180XD-EC6 / H180XD-EC7 / H200XD-EC7 SPECIFICATIONS

_							1111/0				1111/0				10.00		
	1-1	Manufacturer						TER				TER				TER	
	1-2	Model designation						(D-EC6			H180X					D-EC7	
	1-3	Powertrain / drive-train					Die					esel			Die		
	1-4	Operator type	0	II. a	Lon	40.4		ated	0.5	40.0	Sea		0.5	00.4	Sea		70
R	1-5	Load capacity at load center, nominal (1)	Q Q	lbs	kg	,	000	8,1		18,0		8,1		20,0		9,0	
GENERAL	1-5	Load capacity at load center, max lift (1,2)	c	lbs	kg	18,0		8,1		18,0		8,1		20,0		9,0	
٥	1-6	Load distance		in	mm		8	1,2		48		1,2		4		1,2	
	1-8		X	in	mm		3	1,3		53		1,3		5		1,3	
	1-9	Wheelbase	у	in #	mm #	17		4,5	00	17		4,5	00	17		4,5	000
	1-10-1	Stacking height at first row (number x container height)		#	#			8' 6"				8' 6" 9' 6"				8' 6" 9' 6"	
	1-10-2 2-1	Stacking height at first row (number x container height)		# lbs		78,		9' 6" 35,5	-E0	81,3		36,9	112	85,		38,8	200
M		Service weight Axle loading with load, front / rear		lbs	kg	· .		17,520		· .				· .			
	2-2 2-3	5		lbs				27,829									
	3-1	Axle loading without load, front / rear Tire type		IDS	kg	50,505		matic	12,023	33,020		matic	12,491	33,462		matic	14,039
	3-1	Tire size, front						24 24PR				111auc 24 24PR				4 24PR	
ည	3-3	Tire size, rear						24 24PR				24 24PR				4 24PR	
WHEELS	3-5	Wheels, number front / rear (x = driven wheels)					x4					/2			x4		
3	3-6	Tread, front	b ₁₀	in	mm	13	29	3,2	22	12		3,2	22	12		3,2	82
	3-7	Tread, rear	b ₁₀	in	mm	8		2,1		83		2,1		8		2,1	
	4-1	Mast tilt, forward / backward	α/β	deg	deg	0		/ 3	50	0.		/ 3	50	0		/ 3	50
	4-2	Height, mast lowered	h₁	in	mm	37	74	9,4	95	42		10,7	795	42		10,7	795
	4-3	Free lift	h ₂	in	mm	(3,4		0		10,1				10,1	
	4-4	Lift	h ₃	in	mm		45	13,8		64		16,4		64		16,4	
	4-4-1	Lift height, minimum (3)	h _{3 1 1}	in	mm	9		2,3		9		2,3		9		2,3	
		Lift height, maximum (3)	h _{3.1.2}	in	mm	63		16,1		73		18,7		73		18,7	
	4-5	Height, mast extended	h ₄	in	mm		16	16,4		74		19,0		74		19,0	
	4-7	Height of cabin (with strobe light) (4)	h ₆	in	mm	15		3,9		15		3,9		15		3,9	
		Height of overhead guard (closed cab)	6	in	mm	15		3,8		15		3,8		15		3,8	
S	4-7-3	Height of overhead guard (closed cab w/ strobe light)		in	mm	15		3,9		15		3,9		15		3,9	
DIMENSIONS	4-7-4	Height of overhead guard (closed cab w/ work lights)		in	mm	15		4,0		15		4,0		15		4,0	
Ĭ	4-8	Seat height to SIP (4)	h ₇	in	mm	10)5	2,6	76	10	5	2,6	76	10)5	2,6	76
	4-19	Overall length	I,	in	mm	36	35	9,2	62	36	5	9,2	62	36	35	9,2	62
	4-20	Length to face of load	l ₂	in	mm	26	69	6,8	24	26	9	6,8	24	26	69	6,8	24
	4-21	Overall width across drive tires	b ₂	in	mm	16	62	4,1	10	16	2	4,1	10	16	62	4,1	10
	4-24	Width across spreader, retracted/extended	b_3	in	mm	240	6,084	481	12,218	240	6,084	481	12,218	240	6,084	481	12,218
	4-31	Ground clearance, lowest point	m ₁	in	mm	9)	23	86	9		23	36	9)	23	36
	4-32	Ground clearance, center or wheelbase	m ₂	in	mm	1	5	38	33	1:	5	38	33	1	5	38	33
	4-33	Aisle width with 20' Container REDUCED / FULL stroke	Ast ₂₀	in	mm	418	10,614	399	10,144	418	10,614	399	10,144	418	10,614	399	10,144
	4-34	Aisle width with 40' Container REDUCED / FULL stroke	Ast ₄₀	in	mm	558	14,180	546	13,875	558	14,180	546	13,875	558	14,180	546	13,875
	4-35	Outside turning radius REDUCED / FULL stroke	W _a	in	mm	268	6,797	249	6,327	268	6,797	249	6,327	268	6,797	249	6,327
		Internal turning radius REDUCED / FULL stroke	b ₁₃	in	mm	135	3,438	103	2,620	135	3,438	103	2,620	135	3,438	103	2,620
		PERFORMANCE						CUMM									
		Travel speed, with / without load				12.4				12.4		15.5		12.4		15.5	25
	5-2	Lifting speed, with / without load		ft/min	m/s	100	0.51	134	0.68	100	0.51	134	0.68	100	0.51	134	0.68
	5-2-1	Lifting speed, with 70% load		ft/min	m/s		18	0.6		11		0.0		11		0.6	
	5-3	Lowering speed with / without load		ft/min	m/s	108	0.55	108	0.55	108	0.55	108	0.55	108	0.55	108	0.55
	5-5	Drawbar pull - 1 mph 1.6 km/h, with / without load		lbs.	kN	33,497	149	33,721	150	33,272	148	33,721	150	33,272	148	33,497	149
Щ Ж	5-6	Drawbar pull - max, with / without load		lbs.		40,241	179	40,690	181	40,241	179	40,466	180	40,016	178	40,466	180
ANG	5-7	Gradeability - 1 mph 1.6 km/h, with / without load (5)		%	%	37	39	37	39	36	38	36	38	33	36	33	36
N N	5-8	Gradeability - max, with / without load (5)		%	%	46	39	46	39	44 SB6.7	38	44	38	41	36	41	36
PERFORMANCE		PERFORMANCE Travel encod with / without load		mnh	km/h	12.4	20							12.4	20	15.5	25
표	5-1 5-2	Travel speed, with / without load Lifting speed, with / without load		mph ft/min	km/h m/s	12.4 100	20 0.51	15.5 134	25 0.68	12.4 100	20 0.51	15.5 134	25 0.68	12.4 100	20 0.51	15.5 134	25 0.68
Ž.	5-2-1	Lifting speed, with 70% load		ft/min	m/s	100				110		0.6		100		0.6	
8	5-2-1	Lowering speed with / without load		ft/min	m/s	108	0.55	108	0.55	108	0.55	108	0.55	108	0.55	108	0.55
9	5-5	Drawbar pull - 1 mph 1.6 km/h, with / without load		lbs.	kN	33,497	149	33,721	150	33,272	148	33,721	150	33,272	148	33,497	149
ğ	5-6	Drawbar pull - max, with / without load		lbs.	kN	40,241	179	40,690	181	40,241	179	40,466	180	40,016	178	40,466	180
3	5-7	Gradeability - 1 mph 1.6 km/h, with / without load (7)		%	%	37	39	37	39	36	38	36	38	33	36	33	36
Ž.	5-8	Gradeability - max, with / without load (7)		%	%	46	39	46	39	44	38	44	38	41	36	41	36
1				1 /*	,,,		- 50										

H200XD-EC8 / H200XD-ECD7 / H190XD-ECD8 SPECIFICATIONS



	1-1	Manufacturer					нус	TER			HYS	TER			HYS	TER	
	1-2	Model designation						D-EC8			H200XI				H190XI		
	1-3	Powertrain / drive-train						sel			Die				Die		
ŀ	1-4	Operator type					Sea				Sea				Sea		
	1-5	Load capacity at load center, nominal (1)	Q	lbs	ka	20,0		9,0	72	20,0		9,0	72	19,0		8,6	10
RA I	1-5	Load capacity at load center, max lift (1,2)	Q	lbs	kg	19,9		9,0		20,0		9,0		17,0		7,7	
GENERAL	1-6	Load center distance	c		kg	19,		1,2		20,0		1,2		4		1,7	
ے ا	1-8	Load distance		in	mm	5				5		,		5			
	1-0 1-9	Wheelbase	X V	in	mm	17		1,3				1,3		17		1,3	
		Stacking height at first row (number x container height)	У	in #	mm #	17		4,5 8' 6"	000	17		4,5 < 8' 6"	00	17	7+1 >	4,5	00
		0 0 1		#	#			9' 6"				(9'6"			6+1 x		
	2-1	Stacking height at first row (number x container height) Service weight		# lbs		91,4		41,4	407	87,0		39,4	460	90,0		40.8	252
TM	2-1	9			kg					86,421		· .		· .		- /	
		Axle loading with load, front / rear		lbs	kg					55,182							
	2-3	Axle loading without load, front / rear		lbs	kg	57,236			15,524	55, 182			14,438	58,520			14,309
	3-1	Tire type						matic			Pneu				Pneui		
လ	3-2	Tire size, front					14.00				14.00				14.00		
WHEELS	3-3	Tire size, rear)-R24			14.00				14.00		
\$	3-5	Wheels, number front / rear (x = driven wheels)	L	1		40		/2	07	40	x4		00	40	x4		00
	3-6	Tread, front	b ₁₀	in	mm	13		3,5		12		3,2		12		3,2	
	3-7	Tread, rear	b ₁₁	in	mm	8		2,1	08	8	-	2,1	08	8		2,1	80
	4-1	Mast tilt, forward / backward	α/β	deg	deg	4-		/ 3	205	0.7	4 /		0.5	4.0	4/		70.5
	4-2	Height, mast lowered	h₁	in	mm	47		12,0		37		9,4		42		10,7	
	4-3	Free lift	h ₂	in .	mm	((0		0		()
	4-4	Lift	h ₃	in	mm	75		19,0		54		13,8		64		16,4	
	4-4-1	Lift height, minimum (3)	h _{3.1.1}	in	mm	9		2,3		97		2,4		9		2,4	
	4-4-2	Lift height, maximum (3)	h _{3.1.2}	in	mm	84		21,3		64		16,3		74		18,9	
	4-5	Height, mast extended	h ₄	in	mm	85		21,6		64		16,4		74		19,0	
	4-7	Height of cabin (with strobe light) (4)	h ₆	in	mm	15		3,9		15		3,9		15		3,9	
	4-7-1	Height of overhead guard (closed cab)		in	mm	15		3,8		15		3,8		15		3,8	
Š	4-7-3	Height of overhead guard (closed cab w/ strobe light)		in	mm	15		3,9		15		3,9		15		3,9	
DIMENSIONS	4-7-4	Height of overhead guard (closed cab w/ work lights)		in	mm	15		4,0		15		4,0		15		4,0	
N N	4-8	Seat height to SIP (5)	h ₇	in	mm	10		2,6		10		2,6		10		2,6	
	4-19	Overall length	l ₁	in	mm	36		9,2		36		9,2		36		9,2	
	4-20	Length to face of load	l ₂	in	mm	26		6,8		26		6,7		26		6,7	
	4-21	Overall width	b ₂	in	mm	17		4,3		16		4,1		16		4,1	
	4-24	Spreader width, retracted/extended'	b ₃	in	mm	240	6,084		12,218	259	6,566		12,700		6,566		12,700
	4-31	Ground clearance, lowest point	m ₁	in	mm	9		23		9		23		9		23	
	4-32	Ground clearance, center or wheelbase	m ₂	in	mm	1		38		1:	-	38		1		38	_
	4-34-3	Aisle width with 20' Container REDUCED / FULL stroke (6)	Ast ₂₀	in	mm	418	10,614	399	10,144	416	10,566		10,096		10,566	397	10,096
	4-34-4	Aisle width with 40' Container REDUCED / FULL stroke.(6)	Ast ₄₀	in	mm	558	14,180	546	13,875	566	14,382		14,081		14,382	554	14,081
	4-35	Outside turning radius REDUCED / FULL stroke	W _a	in	mm	268	6,797	249	6,327	268	6,797	249	6,327	268	6,797	249	6,327
	4-36	Internal turning radius REDUCED / FULL stroke	b ₁₃	in	mm	135	3,438	103	2,620	135	3,438	103	2,620	135	3,438	103	2,620
		PERFORMANCE				40.4	00			SB6.7 T				40.4	00	45.5	0.5
	5-1	Travel speed, with / without load		mph	km/h		20	15.5	25	12.4	20	15.5	25	12.4	20	15.5	25
	5-2	Lifting speed, with / without load		ft/min	m/s	91	0.46	122	0.62	91	0.46	122		91	0.46	122	0.62
	5-2-1	Lifting speed, with 70% load		ft/min	m/s	108		0.8 108		108		0.5		108		108	
	5-3	Lowering speed with / without load		ft/min	m/s		0.55		0.55		0.55		0.55		0.55		0.55
	5-5	Drawbar pull - 1 mph 1.6 km/h, with / without load		lbs.	kN	33,047	147	33,497		33,272		33,497	149	33,047		33,497	149
병	5-6 5-7	Drawbar pull - max, with / without load		lbs.	kN o/	40,016	178	40,466		40,016	178	40,466	180	40,016	178	40,466	180
A N		Gradeability - 1 mph 1.6 km/h, with / without load (5)		%	%	31	35	31	35	33	39	33	39	32	38	32	38
PERFORMANCE	5-8	Gradeability - max, with / without load (5)		%	%	39	35	39	35	40	39 TIED 3	40	39 N.E	39	38	39	38
R FO	F 4	PERFORMANCE		man !-	len- "	10.4	20		AINS C			15 ENGII		10.4	20	15.5	25
Ⅱ	5-1	Travel speed, with / without load		mph	km/h	12.4	20	15.5	25	12.4	20	15.5	25	12.4	20	15.5	25
	5-2	Lifting speed, with / without load		ft/min	m/s	91	0.46	122	0.62	91	0.46	122	0.62	91	0.46	122	0.62
	5-2-1	Lifting speed, with 70% load		ft/min	m/s	100		0.5		100		0.5		100		0.0	
	5-3	Lowering speed with / without load		ft/min	m/s	108	0.55	108	0.55	108	0.55	108	0.55	108	0.55	108	0.55
	5-5	Drawbar pull - 1 mph 1.6 km/h, with / without load		lbs.	kN	33,047	147	33,497		33,272		33,497	149	33,047		33,497	149
	5-6	Drawbar pull - max, with / without load		lbs.	kN o/	40,016	178	40,466		40,016	178	40,466	180	40,016	178	40,466	180
	5-7	Gradeability - 1 mph 1.6 km/h, with / without load (7)		%	%	31	35	31	35	33	39	33	39	32	38	32	38
	5-8	Gradeability - max, with / without load (7)		%	%	39	35	39	35	40	39	40	39	39	38	39	38



> H210XD-ECD8 / H230XD-ECD8 / H230XD-ECD9 SPECIFICATIONS

Second S					1													
1-40 Operation / Archive-train 1-40 Operati																		
The second content contains (1)																		
Fig. 1.5 Load eachery file of confirm row mile (1) 0 0 0 0 0 0 0 0 0																		
Section Sect				0			04.6			.05	00.4			400	00			007
1-9 Wheelbase	₹					_											10,	
1-9 Wheelbase											-						6,1	
1-10-9 Stacking height at first row (number x container height) 1-10-9 Stacking height at first row (number x container height) 2-2 Asie loading with load, front / rear 5-8	5																1,2	
1-01-3 Stucking height at first row (number x container height) 5		-															1,3	
1-10-22 Szerking height at first row (number x container height) 2-1 Service weight				У			1/			000	1/			000	1.		4,5	000
Service weight Serv																		
Second																		
3-3 Ave loading without load, front / rear 3-4 1 to type 9 3-2 1 ire size, front 1 d 100-R24 1							. ,										44,	
3-11 Tire type	>																	
3-2- Tire size, front 1-400-R24 1		!			lbs	kg	58,524			15,339	58,528			16,299	61,785			16,172
3-3 Tire size, rear 14.00-R24			21															
3-6 Tread, front b ₀ in mm 138 3,507 138 3,507 138 3-7 Tread, fram b ₁₁ in mm 83 2,108 83 2,108 83 3-7 Tread, fram b ₁₁ in mm 83 2,108 83 2,108 83 3-7 Tread, fram mm 83 2,108 83 2,108 83 2,108 83 3-7 Tread, fram mm 83 2,108 83 2,108 83 2,108 83 3-7 Tread, fram mm 83 2,108 83 2,108 83 2,108 83 2,108 83 3-7 Tread, fram mm 83 2,108 83 2,	တ		·															
3-6 Tread, from t	田田																	
4-1 Mast tilt, forward / backward	₹																	
4-1 Mast bit, forward / backward			11.17														3,5	
4-2 Height, mast lowered			•				8:			08	8			08	8		2,1	108
4-3 Free lift			•		-													
4-4-4			-			mm											12,0	
Add-1 Lift height, maximum (3))
A-4-2 Lift height, maximum (3)																	19,0	
4-5 Height, mast extended		-				mm												172
4-5 Height, mast extended				h _{3.1.2}		mm											21,	
A7-73			Height, mast extended	h ₄													21,0	
47-73 Height of overhead guard (closed cab w/ strobe light) in mm 157 3,976 157 3,976 157				h ₆		mm											3,9	
No. Comparison of Comparis																	3,8	
4-20 Length to face of load	l s					mm											3,9	
4-20 Length to face of load	Š					mm			-								4,0	
4-20 Length to face of load						mm											2,6	
4-21 Overall width	Į		· ·			mm			-								9,2	
4-24 Spreader width, retracted/extended b ₃ in mm 259 6,566 500 12,700 259 6,566 9 236 236 236 236 236 238 23						mm											6,7	
4-31 Ground clearance, lowest point m ₁ in mm 9 236 9 236 9 383 15																	4,3	
4-32 Ground clearance, center or wheelbase M2 in mm 15 383 15 383 15 383 15						mm						-						12,700
A-34-3 Aisle width with 20' Container REDUCED / FULL stroke (6) A-34-4 Aisle width with 40' Container REDUCED / FULL stroke (6) A-34-4 Aisle width with 40' Container REDUCED / FULL stroke (7) A-34-3 A-35 Outside turning radius REDUCED / FULL stroke (8) A-34-3 Internal turning radius REDUCED / FULL stroke (8) A-34 A-36 Internal turning radius REDUCED / FULL stroke (8) A-34 A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9) A-36 Internal turning radius REDUCED / FULL stroke (9)			·														23	
4-34-4 Aisle width with 40' Container REDUCED / FULL stroke 6 Ast. 10																	38	
4-35 Outside turning radius REDUCED / FULL stroke V ₃ in mm 268 6,797 249 6,327 249 3,438 103 2,620 135 3,438 103 2,620 155 12,4 20 15,5 25 12,4 20 15,5 25 12,4 20 10,65 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 10,55 108 1																	397	10,090
Note that the part of the pa																	554	14,08
PERFORMANCE Solution Soluti			-														249	6,327
S-1 Travel speed, with / without load mph km/h 12.4 20 15.5 25 12.4 20 15.5 25 12.4 20 20.62 91 0.46 122 0.6		4-36		b ₁₃	in	mm	135								135	3,438	103	2,620
S-2 Lifting speed, with / without load ft/min m/s 91 0.46 122 0.62 91 0.46 1							40.4								40.4	00	45.5	0.5
S-2-1																		
S-3 Lowering speed with / without load ft/min m/s 108 0.55			• 1														122	0.62
S-5 Drawbar pull - 1 mph 1.6 km/h, with / without load Ibs. kN 33,047 147 33,497 149 34,047 147 33,497 149 33,047 147 33,497																	0.5	
S-6 Drawbar pull - max, with / without load Ibs. kN 40,016 178 40,241 179 39,791 177 40,241 4																	108	0.55
Second part of the least of t																	33,272	148
5-2 Lifting speed, with / without load ft/min m/s 91 0.46 122 0.62 91 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122	쁑																40,241	179
5-2 Lifting speed, with / without load ft/min m/s 91 0.46 122 0.62 91 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122	A																28	36
5-2 Lifting speed, with / without load ft/min m/s 91 0.46 122 0.62 91 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122	₹.	5-8			%	%	37	3/							35	36	35	36
5-2 Lifting speed, with / without load ft/min m/s 91 0.46 122 0.62 91 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122 0.46 122	뜐	F 4			ma r la	len- "	10.4	20							10.4	20	15.5	0.5
5-2-1 Lifting speed, with 70% load ft/min m/s 106 0.54 106 0.54 106 5-3 Lowering speed with / without load ft/min m/s 108 0.55 108 <td>Ⅱ</td> <td></td> <td>•</td> <td></td> <td>15.5</td> <td>25</td>	Ⅱ		•														15.5	25
5-3 Lowering speed with / without load ft/min m/s 108 0.55 108																	122	0.62
5-5 Drawbar pull - 1 mph 1.6 km/h, with / without load lbs. kN 33,047 147 33,497 149 149																	0.8	1
5-6 Drawbar pull - max, with / without load Ibs. kN 40,016 178 40,241 179 39,791 177 40,241 179 39,791 177 5-7 Gradeability - 1 mph 1.6 km/h, with / without load (7) % % 30 37 30 37 29 37 29 37 28 36																	108	0.55
5-7 Gradeability - 1 mph 1.6 km/h, with / without load (7)	ļ.																33,272	148
																	40,241	179
3-8 Gradeability - max, with / without load (7) % % 37 37 37 36 37 36 37 35 36																	28	36
		5-8	Gradeability - max, with / without load (7)		%	%	3/	3/	3/	3/	36	3/	36	3/	35	36	35	36

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.

^{*} Please contact your Hyster dealer / manufacturer.



뒿 1-1	Manufacturer		HYS	TER
1-2 1-3	Model designation		H180-200XD EC6-9	/ H200-230-ECD7-9
<mark>쁑</mark> 1-3	Powertrain / drive-train		Die	sel
7-1	Engine manufacturer / model		Cummins / QSB 6.7	Cummins / QSB 6.7
7.4	EDA LOE II		T' 0 (0) IIIA	T' 45 / O(1) /

7-1	Engine manufacturer / model			Cummins	/ QSB 6.7	Cummins	/ QSB 6.7	
7-1	a EPA / CE compliance			Tier 3 / S	tage IIIA	Tier 4F /	Stage IV	
7-2	Engine power output according to ISO 1585	hp	kW	220	164	225	168	
7-2	-1 Engine power output - Peak	hp	kW	231	172	231	172	
யு 7-3	Rated speed	rpm	1/min	2,2	00	2,2	200	
7-3 7-3 7-4	-1 Engine torque @rpm (1/min)	lb-ft	N-m	700 @ 1500	949 @ 1500	770 @ 1500	1,044 @ 1500	
7-4	Number of cylinders / displacement	# / cm ³		6 / 408	6 / 6,690	6 / 480	6 / 6,690	
	Turbocharger	Type		Wastegate, v	vater cooled	Variable geomet	ry, water cooled	
7-8	Alternator output	Amps		12	20	12	20	
7-9	Electrical system voltage	V		2	4	2	4	
7-1	Battery voltage, rated capacity	V / Ah		24 /	102	24 / 102		

	8-1	Drive control / Transmission	Type / #	Powershift Transmission	Powershift Transmission
	8-2	Transmission manufacturer / type	Type / #	ZF 5WG211	ZF 5WG211
ш.	8-4	Transmission speeds forward / backward	#	5/3	5/3
DRIVE	8-5	Coupling	Type	Torque Converter	Torque Converter
_	8-6	Wheel drive / drive axle manufacturer / type	Type / #	AxleTech / PRC 1756W3H	AxleTech / PRC 1756W3H
	8-11	Service brake	Туре	Oil immersed (wet) disc	Oil immersed (wet) disc
	8-12	Parking brake	Type	Spring applied, dry disc on drive axle	Spring applied, dry disc on drive axle

	10-3	Hydraulic tank capacity	gal	I	71	268	71	268
၁င	10-4	Fuel tank capacity	gal	1	92	350	92	350
Ξ	10-4-1	DEF/AdBlue Tank capacity	gal	1	N,	/A	10	38
	10-5	Steering design			Hydro	static	Hydro	static

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.

- (1) Raised cabin may result in reduced capacity since the "carry" height will be higher.
- (2) Load capacity at highest container positions may be less, depending on truck model, stacking height and tires.
- Minimum/maximum height of twist-locks
- (4) With raised cabin position add 39" / 1000 mm
- Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

All capacities are according to EN1459.

All specifications and capacities are valid for trucks equipped with a Hyster® container handling spreader for handling ISO containers.



Safety: This truck conforms to the current EU and ANSI requirements.

Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer.

Hyster products are subject to change without notice.

Lift trucks illustrated may feature optional equipment. Values may vary with alternative configurations.

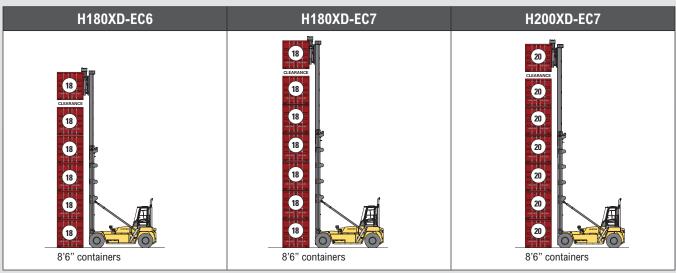
CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance 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.

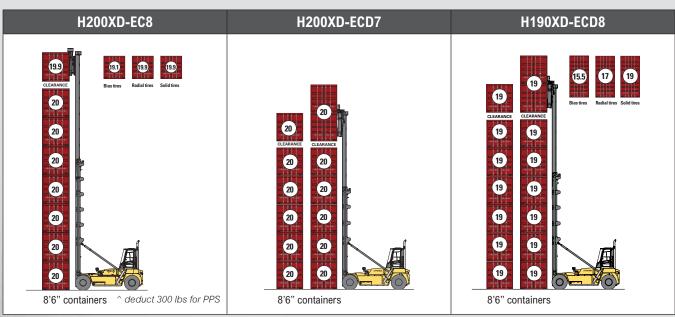
NOTE: Specifications, unless otherwise listed, are for a standard truck without optional equipment.
Specification data is based on VDI 2198.

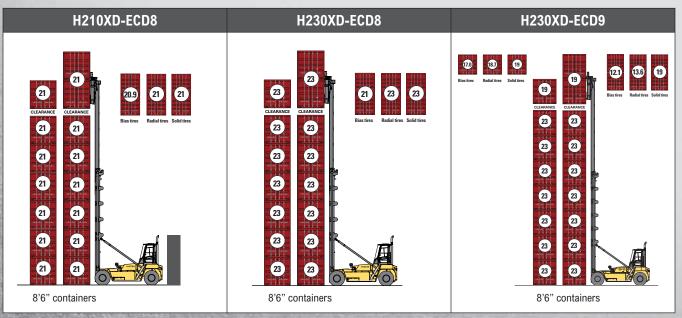
>

RATED CAPACITIES AND STACKING HEIGHTS

(shown in 1,000 lbs.)







SPREADERS AND ENGAGEMENT SYSTEMS



SINGLE CONTAINER SPREADER 588 TB







Single handling container spreader with Vertical Twist-locks

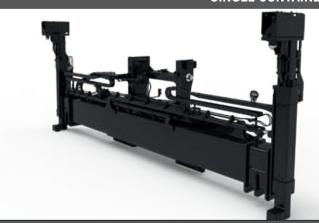
Suitable for:

- 20' or 40' ISO containers of 8' (2.44 m)
- WTP (Wide Twist-lock Position) containers
- Approx. 2.45-2.50 m wide "pallet-wide" 20' or 40' containers, with ISO-like 'chamfered' corner castings

Not suitable for:

- · US "Domestic" containers
- Approx. 2.45-2.60 m wide "CPC" containers (Cellular Pallet-wide Containers) with non-ISO corner castings
- Mechanical Pile Slope (standard) +/- 8.1 in (+/- 205mm)
- Powered Pile Slope (optional) +/- 6 degrees
- Sideshift +/- 23.6 in (+/- 600 mm)

SINGLE CONTAINER SPREADER 586 TB







Single container handling spreader with Vertical Twist-locks

Removable "inset" container blocks

Suitable for:

- 20' or 40' ISO containers of 8' (2.44 m)
- WTP (Wide Twist-lock Position) containers
- · US "Domestic" containers
- Approx. 2.45-2.50 m wide "pallet-wide" 20' or 40' containers, with ISO-like 'chamfered' corner castings
- Approx. 2.45-2.60 m wide "CPC" containers (Cellular Pallet-wide Containers) with non-ISO top corners castings
- Mechanical Pile Slope (standard) +/- 8.1 in (+/- 205mm)
- Powered Pile Slope (optional) +/- 6 degrees
- Sideshift +/- 23.6 in (+/- 600 mm)

SINGLE CONTAINER SPREADER 589 TB







Single container handling spreader with Vertical Twistlocks

Forward Reach function on the twist-locks (3.9"- 6.9 $^{\prime\prime}$ / 100-176 mm)

Suitable for:

- 20' or 40' ISO containers of 8' (2.44 m)
- · WTP (Wide Twist-lock Position) containers
- US "Domestic" containers
- Approx. 2.45-2.50 m wide "pallet-wide" 20' or 40' containers, with ISO-like 'chamfered' corner castings
- Approx. 2.45-2.60 m wide "CPC" containers (Cellular Pallet-wide Containers) with non-ISO top corners castings
- Mechanical Pile Slope (standard) +/- 8.1 in (+/- 205mm)
- Powered Pile Slope (optional) +/- 6 degrees
- Sideshift +/- 23.6 in (+/- 600 mm)

DOUBLE CONTAINER SPREADER 584 LD





Double handle container spreader:

- Picking container(s) at the front (hooks) and side (clamps) of the corner castings
- Available with speed limitation features for laden/unladen condition
- Powered Pile Slope (standard) +/- 6 degrees
- Sideshift +/- 23.6in (+/- 600mm)

>

FEATURES AND OPTIONS

ENGINE - TIER 4 FINAL

Cummins QSB 6-cylinder diesel engine delivers 225 hp rated (231 hp peak) and 770 lb-ft of maximum torque. EPA Tier 4 Final compliant engine features cooled exhaust gas recirculation (EGR) technology with selective catalytic reduction (SCR) and an integrated diesel exhaust fluid (DEF) delivery system. A 2-stage diesel oxidation catalyst (DOC) is also included for particulate matter (PM) reduction. Innovative selectable ECO performance modes offer excellent fuel economy and maximum productivity providing up to 15% fuel consumption reduction versus previous Tier 3 powered trucks.

Hibernate idle saves fuel by lowering engine speed when functions are not being used. Also includes:

- Variable geometry turbocharger, water cooled
- 120 amp alternator
- Automatic throttle-up on hoist enables engine to run in most efficient rpm range.

Standard diffuser for exhaust temperature reduction

OPTIONAL ENGINE – TIER 3 (Not available in US and Canada)

Cummins QSB 6-cyl. diesel engine delivers rated 220 hp (230 hp peak) and 700 lb-ft of maximum torque. EPA Tier 3 compliant. Also includes:

- · Wastegate turbocharger, water cooled
- · 120 amp alternator

CONTAINER ATTACHMENT

Single-handling models are equipped with Hyster® model 586TB spreader featuring vertical twistlocks, removable blocks for handling wider domestic containers, 24" (600mm) of sideshift in each direction and +/- 8" (+/- 205mm) of mechanical pile slope. Double-handling models are equipped with Hyster® model 584LD spreader featuring horizontal hooks and side clamps, 24" (600mm) of sideshift in each direction, +/-6° of powered pile slope.

LIFT

HYDRAULIC SYSTEM

Hyster on-demand load-sensing hydraulic system pumps oil only when required, and can pump at lower engine rpm.

- · Saves fuel
- · Reduces heat
- · Extends component and oil life
- Quieter operation

ELECTRICAL SYSTEM

- · Sealed Deutsch connectors
- CANbus system for easy diagnostics of engine, transmission, hydraulics and spreader

OPERATOR AREA

- Ergonomically designed hydraulic controls and direction control lever are within easy reach
- 7" full color, touchscreen Integrated
 Performance Display tracks all truck activity
 and is integrated with Hyster Tracker telemetry
 system
- Telescopic, easily adjustable steer column with foot pedal

STD OPT

Several mechanical and air suspension seat options are available

PERFORMANCE	STD	ОРТ
Cummins QSB 6.7L diesel engine rated 225 hp tier 4F / 168 kW stage IV*	х	
Cummins QSB 6.7L diesel engine rated 220 hp tier 3 / 164 kW stage IIIA*	х	
Tier 4 / Stage IV compliant	х	
Tier 3 / Stage IIIA compliant	х	
Wastegate turbocharger, water cooled*	Х	
Variable geometry turbocharger, water cooled*	х	
Hibernate idle	х	
Hydraulically driven on-demand cooling fan*	х	
120 amp alternator	х	
Performance modes selectable in Integrated Performance Display*	Х	
Powertrain protection system	х	
Heavy duty air intake	х	
High mount exhaust	х	
ZF transmission 5WG211 5-spd fwd/3-spd reverse auto-shifting	х	
AxleTech drive axle PRC1756 W3H (162" / 4112 mm across drive tires) with wet disc brakes*	х	
AxleTech drive axle PRC1756 W3H (171" / 4335 mm across drive tires) with wet disc brakes*	х	
DRIVE	STD	0P1
Travel speed limiter - unconditional and customer adjustable		х
Travel speed limiter when carrying container (adjustable)	х	
Travel speed limiter when in unlocked condition		Х
Travel speed limiter based on container carry and tilt position		х
Steer axle with full stroke steer cylinder for tight turning radius	х	
0(Х
Steer axle with reduced stroke steer cylinder for longer tire life		
	Х	

Variable lap mast for low roller forces 2 cylinder / 2 chain design Hydraulic accumulator Hydraulic system temperature protection with performance de-rate ***RANDLING** Hyster 586TB single spreader, with removable blocks for ISO or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor *** Mast lift height sensor *** Mechanical pile slope Automatic one-touch extend/retract (20'/40') for spreader *** *** *** *** *** *** ** **	LIFT	STD	OPT
Variable lap mast for low roller forces 2 cylinder / 2 chain design Hydraulic accumulator Hydraulic system temperature protection with performance de-rate ***RANDLING** Hyster 586TB single spreader, with removable blocks for ISO or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor *** Mast lift height sensor *** Mechanical pile slope Automatic one-touch extend/retract (20'/40') for spreader *** *** *** *** *** *** ** **	On-Demand Load Sensing Hydraulic System	Х	
2 cylinder / 2 chain design Hydraulic accumulator Hydraulic system temperature protection with performance de-rate ***RANDLING** Hyster 586TB single spreader, with removable blocks for ISO or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader ***X** ***X** ***BEGNOMICS** ***ERGONOMICS** ***ERGONOMICS** ***ERGONOMICS** ***ERGONOMICS** ***ERGONOMICS** ***Indicator - mechanical ***X** ***A **	Automatic throttle-up when lifting (in neutral or inching)	Х	
Hydraulic accumulator Hydraulic system temperature protection with performance de-rate HANDLING STD OPT Hyster 586TB single spreader, with removable blocks for ISO or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Powered pile slope Rutomatic one-touch extend/retract (20'/40') for spreader X ERGONOMICS STD OPT Enclosed operator cabin Powered tilt operator compartment for service X Manual tilt operator compartment for service X Raised cabin height X Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration X Mechanical suspension seat X Mechanical suspension seat	Variable lap mast for low roller forces	Х	
Hydraulic system temperature protection with performance de-rate HANDLING Hyster 586TB single spreader, with removable blocks for ISO or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader X ERGONOMICS ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration X Mechanical suspension seat	2 cylinder / 2 chain design	Х	
HANDLING Hyster 586TB single spreader, with removable blocks for ISO or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor X Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader X ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration X Mechanical suspension seat	Hydraulic accumulator	Х	
Hyster 586TB single spreader, with removable blocks for ISO or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader X ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration X Mechanical suspension seat	Hydraulic system temperature protection with performance de-rate		х
or wide containers Hyster 588TB single handling 20-40ft empty container spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Automatic one-touch extend/retract (20'/40') for spreader X ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service X Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration X Mechanical suspension seat	HANDLING	STD	OPT
spreader with vertical twist-locks Hyster 589TB single spreader, with hydraulically adjustable head for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader X ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration X Mechanical suspension seat		х	
héad for ISO or wide containers Hyster 584LD double handling 20-40ft empty container spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader Mast tilt indicator - mechanical ERGONOMICS STD OPT Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat			х
spreader with hooks and side clamps** Mast lift height sensor Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader Mast tilt indicator - mechanical ERGONOMICS STD OPT Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat			Х
Mechanical pile slope Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader Mast tilt indicator - mechanical ERGONOMICS STD OPT Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat		х	
Powered pile slope Automatic one-touch extend/retract (20'/40') for spreader X Mast tilt indicator - mechanical ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat	Mast lift height sensor		Х
Automatic one-touch extend/retract (20'/40') for spreader Mast tilt indicator - mechanical ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat	Mechanical pile slope	х	
Mast tilt indicator - mechanical x ERGONOMICS STD OPT Enclosed operator cabin x Powered tilt operator compartment for service x Manual tilt operator compartment for service x Raised cabin height x Cabin automatic tip-up (for high stacking) x Isolated cabin mounting for low noise and vibration x Operator presence system x Mechanical suspension seat x	Powered pile slope		х
ERGONOMICS Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat X	Automatic one-touch extend/retract (20'/40') for spreader		Х
Enclosed operator cabin Powered tilt operator compartment for service Manual tilt operator compartment for service X Raised cabin height Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat X	Mast tilt indicator - mechanical		х
Powered tilt operator compartment for service x Manual tilt operator compartment for service x Raised cabin height x Cabin automatic tip-up (for high stacking) x Isolated cabin mounting for low noise and vibration x Operator presence system x Mechanical suspension seat x	ERGONOMICS	STD	OPT
Manual tilt operator compartment for service x Raised cabin height x Cabin automatic tip-up (for high stacking) x Isolated cabin mounting for low noise and vibration x Operator presence system x Mechanical suspension seat x	Enclosed operator cabin	Х	
Raised cabin height x Cabin automatic tip-up (for high stacking) x Isolated cabin mounting for low noise and vibration x Operator presence system x Mechanical suspension seat x	Powered tilt operator compartment for service		Х
Cabin automatic tip-up (for high stacking) Isolated cabin mounting for low noise and vibration Operator presence system Mechanical suspension seat x	Manual tilt operator compartment for service	Х	
Isolated cabin mounting for low noise and vibration x Operator presence system x Mechanical suspension seat x	Raised cabin height		Х
Operator presence system x Mechanical suspension seat x	Cabin automatic tip-up (for high stacking)		х
Mechanical suspension seat x	Isolated cabin mounting for low noise and vibration	х	
·	Operator presence system	Х	
Air suspension seat x	Mechanical suspension seat	Х	
	Air suspension seat		Х

^{*}Standard or optional in select markets or on select models.

^{**}Standard on double handling models only.

FEATURES AND OPTIONS <

ERGONOMICS (continued)	STD	ОРТ
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	^
3-point high visibility seatbelt		х
Lateral seat sliding mechanism		X
Floor mat	V	^
Dome interior light	X	
	X	
Front, top and rear wipers	Х	
"H"-pattern front wiper		Х
"I"-pattern front wiper	Х	
Left side handrails, stairway and cabin door	Х	
Right side handrails, stairway and cabin door	Х	
Wire mesh installed on top of operator compartment		Х
7" Integrated Performance Display	Х	
Dual 7" Integrated Performance Displays		Х
Joystick hydraulic control integrated in control arm	Х	
Steering wheel with spinner knob	Х	
Directional control lever on steering column	Х	
Directional control on joystick		Х
Park brake - manual	Х	
Park brake - automatic		Х
Interior wide angle mirrors	Х	
Heater with adjustable speed fan	Х	
Telescoping & tilting steering column	Х	
USB outlet inside armrest	Х	
24-12 DC converter with 1 socket and 2 USB outlets	Х	
24-12 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
Cloth trainer seat with 2-point seatbelt		Х
Recirculation fan	Х	
Accessory mounting bar 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
Top window with armoured glass - FOPS certified	Х	
Steel bars under armoured glass top window		Х
External wide angle mirrors mounted on rear of front fenders	Х	

Exterior mirrors mounted to handrails		Х
Rear view camera system		Х
Radar object detection system		Х
Halogen work lights	Х	
High performance LED work lights		х
Four halogen head lights mounted on front fenders	х	
Four forward work lights mounted on the cabin	Х	
Two rearward work lights mounted on the cabin	х	
LED twistlock indicator lights	х	
LED stop/tail/brake lights	х	
Turn signals, hazard & marker lights (LED)		х
2 additional LED spreader work lights pointed towards the		V
twistlocks		Х
APPEARANCE	STD	OPT
Hyster yellow paint base truck	х	
Special paint base truck		х
OPERATION	STD	ОРТ
Air horn 112 dBA	х	
Visible alarm – amber strobe light	х	
Audible alarm – reverse direction activated 82–102 dB(A)	х	
Forward motion alarm		х
Blue LED spotlight - rear		х
Seatbelt interlock for engine start and truck operation		х
Air conditioning shut-off with open door		х
Automatic engine shutdown with timer		х
Delayed engine shutdown for turbo cooldown	х	
Lockable battery disconnect switch	х	
Battery jump start connector (NATO plug)		х
Truck start with key switch and start button	х	
Operator password (display) for truck start	х	
Fuses partially replaced by electric circuit breakers		х
Non-lockable fuel cap	х	
Lockable fuel cap		х
Hyster Tracker wireless asset management - access / verification		х
Hyster Tracker wireless asset management - monitoring	Х	
Auto greasing system for spreader		Х
Auto greasing system for base truck, outer mast with centralized greasing system for inner mast		х
Centralized greasing system for top end mast		Х
24 volt electrical system	Х	
Engine block heater 110 or 240 volt		Х
Steer wheel lug nut protection	Х	
Front and/or rear mud guards		Х
SUPPLEMENTAL	STD	OPT
Literature package	Х	
Operator's manual	Х	
CE certification		Х
Warranty: 12 months / 2,000 hours parts & labor manufacturer's warranty	х	

^{*}Standard or optional in select markets or on select models.





Hyster Company P.O. Box 7006 Greenville, North Carolina 27835-7006 Part No. H180-230XDEC/TG 6/2020 Litho in U.S.A.

Visit us online at www.hyster.com or call us at 1-800-HYSTER-1.

Hyster, 👪 , and STRONG PARTNERS. TOUGH TRUCKS. and MONOTROL are registered trademarks in the United States and certain other jurisdictions. Hyster products are subject to change without notice.

Trucks may be shown with optional equipment. © 2020 Hyster Company. All rights reserved.