

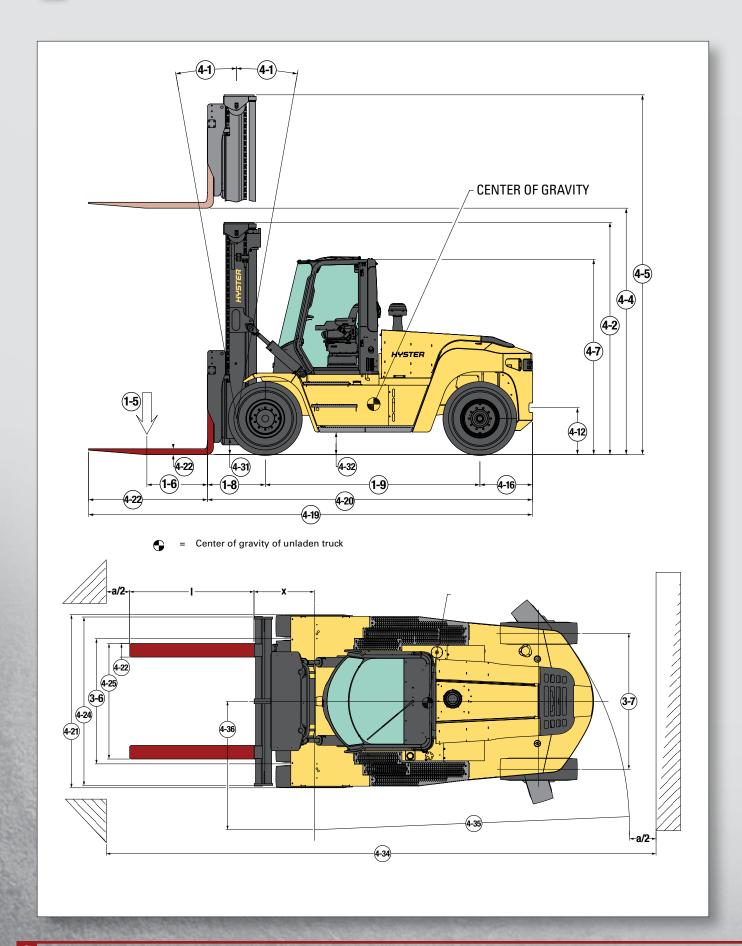
STRONG PARTNERS.
TOUGH TRUCKS.**



H210-250/48HD₂, H300-360HD₂ SERIES TECHNICAL GUIDE

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DIMENSIONS



H300HD₂/H330HD₂ SPECIFICATIONS



	1-1	Manufacturer						STER			HYS		
	1-2	Model designation					H30	OHD ₂			H330	OHD ₂	
ابا	1-3	Powertrain / drivetrain					Die	esel			Die	sel	
₩	1-4	Operator type					Sea	ated			Sea	ted	
GENERAL	1-5	Rated capacity / rated load	Q	lbs	kg	30,	000	13,	608	33,	000	14,9	969
ا " ا	1-6	Load center distance	C ₁	in	mm	2	.4	6	10	2	4	61	10
	1-8	Load distance	х	in	mm	3	15	88	39	3	5	88	39
	1-9	Wheelbase	у	in	mm	13	30	3,3	800	13	30	3,3	300
	2-1	Service weight		lbs	kg	39,	286	17,	820	41,	061	18,6	625
¥	2-2	Axle loading with load, front / rear		lbs	kg	64,117	29,083	5,169	2,345	68,440	31,044	5,621	2,550
	2-3	Axle loading without load, front / rear		lbs	kg	20,493	9,296	18,793	8,524	20,454	9,278	20,607	9,347
	3-1	Tire type					Pneu	matic			Pneu	matic	
	3-2	Tire size, front					12.00-2	0 20PR			12.00-2	0 20PR	
WHEELS	3-3	Tire size, rear					12.00-2	:0 20PR			12.00-2	0 20PR	
【異】	3-5	Wheels, number front / rear (x = driven wheels)					x4	/2			x4	/ 2	
>	3-6	Tread, front	b ₁₀	in	mm	72	2.5	1,8	342	72	2.5	1,8	342
i	3-7	Tread, rear	b ₁₁	in	mm	78	3.7	2,0	100	78	3.7	2,0	000
	4-1	Mast tilt, forward / backward	α/β	deg	deg		15°	/ 12°			15° /	′12°	
	4-2	Height, mast lowered	h,	in	mm	14	41	3,5	68	14		3,5	68
	4-3	Free lift (top of forks)	h ₂	in	mm	(0)	()	()
	4-4	Lift (top of forks)		in	mm		47		'50	14		3,7	
	4-5	Height, mast extended	h ₄	in	mm		13	5,3		2		5,3	
	4-7	Height of overhead guard (open cab)	h ₆	in	mm		0.2		153	12		3,0	
	4-7-1	Height of overhead guard (closed cab)	h ₆	in	mm		1.6	3,0		12		3,0	
	4-7-2	Height of overhead guard (closed cab w/ air cond.)	h ₆	in	mm		2.9	3,1			2.9	3,1	
ŀ	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h ₆	in	mm		6.8	3,2		12		3,2	
ľ	4-7-4	Height of overhead guard (closed cab w/ work lights)	h ₆	in	mm	12		3,2		12		3,2	
	4-7-5	Height of overhead guard (closed cab w/ work light) Height of overhead guard (closed cab w/ air cond. & strobe light)		in	mm	12		3,2		12		3,2	
DIMENSIONS	4-8	Seat height to seat point index	h ₇	in	mm		1.6		118	71		1,8	
	4-19	Overall length	117	in	mm		69	6,8		26		6,8	
	4-20	Length to face of forks	'1 	in	mm		97	4,9		19		4,9	
	4-21	Overall width	b ₂	in	mm	1(541	10		2,5	
									1 / 1 830				
	4-22	Fork dimensions ISO 2331		in	mm	3.5 /	8 / 72	90 / 200) / 1,830	3.5 /	8 / 72	90 / 200) / 1,830
	4-22 4-23	Fork dimensions ISO 2331 Fork carriage type	s/e/l	in	mm	3.5 /	<mark>8 / 72</mark> Standard pin	90 / 200 type carriag	е	3.5 / S	8 / 72 Standard pin	90 / 200 type carriag) / 1,830 e
	4-22 4-23 4-24	Fork dimensions ISO 2331 Fork carriage type Fork carriage width	s/e/I	in in	mm	3.5 / S	8 / 72 Standard pin 3.3	90 / 200 type carriag	e 196	3.5 / S S	8 / 72 Standard pin 3.3	90 / 200 type carriage 2,4	0 / 1,830 e 196
	4-22 4-23 4-24 4-25-1	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in)	b ₃ b ₅	in in in	mm mm mm	3.5 / S S 98	8 / 72 Standard pin 3.3 .8	90 / 200 type carriag 2,4	e 1 <mark>96</mark> 0	3.5 / S S 98	8 / 72 Standard pin 8.3	90 / 200 type carriago 2,4	0 / 1,830 e 196 0
	4-22 4-23 4-24 4-25-1 4-25-2	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out)	b ₃ b ₅ b ₅	in in in in	mm mm mm	3.5 / S 98 2 95	8 / 72 Standard pin 3.3 .8 5.3	90 / 200 type carriag 2,4 7 2,4	e 196 0 120	3.5 / 5 S 98 2 95	8 / 72 Standard pin 3.3 .8 5.3	90 / 200 type carriag 2,4 7 2,4	0 / 1,830 e 196 0
	4-22 4-23 4-24 4-25-1 4-25-2 4-30	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift	b ₃ b ₅ b ₅ b ₈	in in in in in	mm mm mm mm	3.5 / 98 98 2 95	8 / 72 Standard pin 3.3 .8 5.3	90 / 200 type carriag 2,4 7 2,4	e 1 <mark>96</mark> 0 1 <mark>20</mark>	3.5 / 5 98 2 95	8 / 72 Standard pin 3.3 8 5.3	90 / 200 type carriag 2,4 7 2,4	0 / 1,830 e 196 0 120
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast	b ₃ b ₅ b ₅ b ₈ m ₁	in in in in in	mm mm mm mm mm	3.5 / S 98 2 95 (8 / 72 Standard pin 3.3 .8 5.3 0	90 / 200 type carriag 2,4 7 2,4	e 196 0 120)	3.5 / 5 98 2 95 (8 / 72 Standard pin 3.3 .8 5.3 0	90 / 200 type carriag 2,4 7 2,4	0 / 1,830 e 196 0 120 0
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase	s/e/l b ₃ b ₅ b ₅ b ₈ m ₁ m ₂	in	mm mm mm mm mm	3.5 / 98 98 2 95 (8 / 72 Standard pin 3.3 .8 5.3 0	90 / 200 type carriag 2,4 7 2,4 (e 196 0 120 15	3.5 / 5 S 98 2 95 (8 / 72 Standard pin 3.3 .8 5.3 0	90 / 200 type carriag 2,4 7 2,4 0	0 / 1,830 e e 196 0 420 0 145
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance)	S/e/I	in	mm mm mm mm mm mm	3.5 / S 98 2 95 (1 1 2	8 / 72 Standard pin 3.3 .8 5.3 0 0 3	90 / 200 type carriag 2,4 7 2,4 (2,4 3,4 5,6	e 1996 0 120 135 135 135 135 135 135 135 135 135 135	3.5 / 5 98 2 95 (1 1	8 / 72 Standard pin 8.3 8 6.3 0 0 3	90 / 200 type carriag 2,4 7 2,4 (2 ⁴ 3 ⁴	0 / 1,830 e e 196 0 120 0 45 41
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius	s/e/l b ₃ b ₅ b ₅ b ₈ m ₁ m ₂	in	mm mm mm mm mm	3.5 / S 98 2 95 (1 1 2	8 / 72 Standard pin 3.3 .8 5.3 0 0 3 15	90 / 200 type carriag 2,4 7 2,4 (2,4 3,4 5,4	e 1996 0 0 120 0 145 11 173 184	3.5 / 8 98 2 95 (1 1 2	8 / 72 Standard pin 3.3 8 5.3 0 0 0 3 15	90 / 200 type carriag 2,4 7 2,4 0	0 / 1,830 e e 196 0 120 0 45 41
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE	S/e/I	in	mm mm mm mm mm mm mm	3.5 / \$ 98 2 95 (1 1 2	8 / 72 Standard pin 3.3 .8 5.3 0 0 3 3 15 80	90 / 200 type carriage 2,4 7 2,4 0 24 34 5,4 5,4 UINS QSB	e 1996 0 1220 145 141 1473 1884 4.5 TIER 4	3.5 / 5 98 2 95 (1 1 2' 18	8 / 72 Standard pin 3.3 8 5.3 0 0 0 3 15	90 / 200 type carriage 2,4 7 2,4 0 2 ² 3 ⁴ 5,4	0 / 1,830 e e 1996 0 120 0 45 41 173
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1)	S/e/I	in in in in in in in in in mph	mm mm mm mm mm mm mm	3.5 / S 98 2 95 (1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 / 72 Standard pin 3.3 8 5.3 0 0 0 3 3 15 80 CUMIM 27	90 / 200 type carriage 2,4 7 2,4 0 2,4 3,4 5,4 4,8 IINS QSB	e 996 0 120 15 11 1 173 1884 4.5 TIER 4	3.5 / 5 98 2 95 (1 1 2' 18 F ENGIN	8 / 72 3.3 8 8 5.3 0 0 0 3 15 80 E	90 / 2000 2,4 7 2,4 (2 ² 5,4,5 18	0 / 1,830 e 196 0 120 0 145 41 173 1884
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load	S/e/I	in in in in in in in in in mph mph	mm mm mm mm mm mm mm mm km/h	3.5 / S S 986 2 2 986 (1 1 1 2 2 1 1 1 7 On re	8 / 72 Standard pin 3.3 .8 5.3 0 0 3 3 15 80 CUMM 27 quest	90 / 2000 type carriage 2,4 7 7 2,4 (24 34 5,4 4,5 IINS QSB 18 On re	e 96 0 0 1220 15 15 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.5 / 8 98 2 2 98 (1 1 1 2' 18 IF ENGIN 17 On re	8 / 72 itandard pin 3.3 .8 i.3 i.0 0 0 3 3 15 80 E 27 quest	90 / 2000 type carriage 2,4 7 7 2,4 6 2 3 4 5,4 4,5	0 / 1,830 e e 196 0 120 0 145 41 173 584 29 quest
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 126cc pump	S/e/I	in in in in in in in in in mph mph ft/min	mm mm mm mm mm mm mm mm km/h km/h m/s	3.5 / S 988 988 2 2 998 (1 1 1 2 2 1 1 1 7 On ree 81	8 / 72 Standard pin 3.3 .8 5.3 0 0 3 3 15 80 CUMM 27 quest 0.41	90 / 2000 type carriage 2,4 7 2,4 (24 34 5,4 4,5 IINS QSB 18 On re 91	e 996 0 120 0 155 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.5 / 8 98 2 2 98 (1 1 1 22 18 F ENGIN 17 On re	8 / 72 itandard pin itandard pi	90 / 2000 type carriage 2,44 7 7 2,44 6 22 34 5,4 4,5 18 On re	0 / 1,830 e e 196 0 120 0 145 11 173 584 29 quest 0.46
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load	S/e/I	in in in in in in in in in ft/min in	mm mm mm mm mm mm mm mm km/h km/h m/s m/s	3.5 / S 98 98 2 2 99 1 1 1 1 1 1 1 1 7 On re 81 98	8 / 72 Standard pin 3.3 .8 5.3 0 0 3 3 15 80 CUMM 27 equest 0.41 0.50	90 / 2000 type carriage 2,4 7 2,4 (24 34 5,4 4,5 IINS QSB 18 On re 91 94	e 996 0 120 0 155 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.5 / 8 98 2 2 98 (1 1 1 22 18 1F ENGIN 17 On re 81	8 / 72 itandard pin 3.3 8 8 6.3 0 0 0 3 3 15 80 E 27 quest 0.41 0.50	90 / 2000 type carriage 2,4 7 2,4 (2,2 3,2 5,4 4,5 18 On rec 91	0 / 1,830 e e 96 0 0 420 0 45 41 473 684 29 quest 0.46 0.48
	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	S/e/I	in in in in in in in in in fr/min ft/min ft/s.	mm	3.5 / S 98 98 22 995 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 / 72 Standard pin 3.3 .8 5.3 0 0 3 3 15 80 CUMMM 27 equest 0.41 0.50 109	90 / 200 type carriag 2,4 7 2,4 (2,4 3,4 5,4 4,5 INS QSB 18 On re 91 94 24,100	e 996 0 120 0 155 11 1 1 1 1 2 9 1 1 1 1 1 1 1 1 1 1 1 1	3.5 / 8 98 2 2 98 (1 1 1 22' 18 17 On re 81 98 22,800	8 / 72 itandard pin 3.3 8 8 6.3 0 0 0 3 3 15 80	90 / 2000 type carriage 2,4,4 7 2,4 4,5 18 On rec 91 94 24,000	0 / 1,830 e e 196 0 0 420 0 45 41 473 684 29 quest 0.46 0.48 111
CE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load	S/e/I	in i	mm km/h km/h	3.5 / S 98 2 2 98 (1 1 1 2 2 18 17 On re 81 98 22,900 25,700	8 / 72 Standard pin 3.3 .8 5.3 0 0 3 3 15 80 CUMIM 27 equest 0.41 0.50 109 121	90 / 200 type carriag 2,4 7 7 2,4 () 24 34 5,4 4,5 INS QSB 18 On re 91 94 24,100 26,900	e 996 0 120 0 155 11 1 173 184 4.5 TIER 4 29 quest 0.46 0.48 111 123	3.5 / s 98 2 99 (1 1 1 2 2 18 F ENGIN 17 On re 81 98 22,800 25,600	8 / 72 itandard pin itandard pi	90 / 2000 type carriage 2,4,4 7 2,4 4,5 18 On re 91 94 24,000 26,800	0 / 1,830 e e 196 0 0 420 0 45 41 473 684 29 quest 0.46 0.48 111 123
MANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load	S/e/I	in i	mm mm/s km/h km/s m/s kN kN	3.5 / S 98 2 2 98 (1 1 1 2 2 18 17 On re 81 98 22,900 25,700 37	8 / 72 Standard pin 3.3 .8 5.3 0 0 0 3 15 80 CUMIM 27 equest 0.41 0.50 109 121 37	90 / 200 type carriag 2,4 7 7 2,4 () 24 34 5,4 4,5 INS QSB 18 On re 91 94 24,100 26,900 37	e e 996 0 0 120 0 155 11 1 173 1884 4.5 TIER 4 29 quest 0.46 0.48 111 123 37	3.5 / s 98 2 99 (1 1 1 2 2 18 F ENGIN 17 On re 81 98 22,800 25,600 34	8 / 72 itandard pin 1.3 1.8 1.8 1.3 1.0 1.0 1.0 1.3 1.5 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	90 / 2000 type carriage 2,4 7 2,4 6 22 34 5,4 4,5 18 On re 91 94 24,000 26,800 35	0 / 1,830 e
PRMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load Gradeability - stall, with / without load	S/e/I	in i	mm km/h km/h	3.5 / S 98 2 2 98 (1 1 1 2 2 18 17 On re 81 98 22,900 25,700	8 / 72 Standard pin 3.3 .8 5.3 0 0 0 3 15 80 CUMIM 27 equest 0.41 0.50 109 121 37 42	90 / 200 type carriag 2,4 7 2,4 (e 996 0 0 120 0 155 11 1 173 1884 4.5 TIER 4 29 11 11 123 37 37 37	3.5 / s 98 2 99 (1 1 1 2 2 18 F ENGIN 17 On re 81 98 22,800 25,600 34 39	8 / 72 itandard pin 1.3 1.8 1.8 1.3 1.0 1.0 1.0 1.3 1.5 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	90 / 2000 type carriage 2,4,4 7 2,4 4,5 18 On re 91 94 24,000 26,800	0 / 1,830 e e 196 0 0 420 0 45 41 473 684 29 quest 0.46 0.48 111 123
RFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE	S/e/I	in in in in in in in mph ft/min lbs. lbs. %	mm mm mm mm mm mm mm mm mm km/h km/s m/s kN kN kN %	3.5 / S 98 22 995 (1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 15 80 CUMIM 27 cquest 0.41 0.50 109 121 37 42 CUMIM	90 / 200 type carriag 2,4 7 2,4 (e 996	3.5 / s 98 2 99 (1 1 1 2' 18 1F ENGIN 17 On re 81 98 22,800 25,600 34 39 3 ENGINE	8 / 72 itandard pin 1.3 1.8 1.8 1.3 1.0 1.0 1.0 1.3 1.5 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	90 / 200 type carriage 2,4 7 2,4 6 22 34 4,5 18 On re 91 94 24,000 26,800 35 35	0 / 1,830 e
PERFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load PERFORMANCE Travel speed, with / without load (1)	S/e/I	in i	mm mm mm mm mm mm mm mm mm s km/h km/s m/s kN kN kN kN % % % km/h	3.5 / S 98 2 99 1 11 1 17 On re 81 98 22,900 25,700 37 42	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 3 15 80 CUMIM 27 equest 0.41 0.50 109 121 37 42 CUMIN 27	90 / 200 type carriag	e 996	3.5 / s 98 2 99 (8 / 72 itandard pin itandard pin itandard pin itan itan itan itan itan itan itan it	90 / 2000 type carriage 2,4,4,7 7,2,4,4,5 4,5,5 18 On re 91 94 24,000 26,800 35 35	0 / 1,830 e e 996 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PERFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load (1) Travel speed, with load locked / without load	S/e/I	in i	mm km/h km/h	3.5 / S 98 22 995 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 15 80 CUMIM 27 quest 0.41 0.50 109 121 37 42 CUMIN 27 quest	90 / 200 type carriag	e e 996	3.5 / s 98 2 99 (1 1 1 2' 18 F ENGIN 17 On re 81 98 22,800 25,600 34 39 3 ENGINE 17 On re	8 / 72 itandard pin itandard pi	90 / 2000 type carriage 2,4 7 2,4 6 22 32 5,4 4,5 18 On re 91 94 24,000 35 35 18 On re	0 / 1,830 e e 996 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PERFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load (1) Travel speed, with / without load (1) Travel speed, with / without load 111cc pump	S/e/I	in i	mm km/h km/h	3.5 / S 98 22 99 11 11 17	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 15 80 CUMIM 27 quest 0.41 0.50 109 121 37 42 CUMIN 27 quest 0.36	90 / 200 type carriag	e e 996	3.5 / s 98 2 99 (8 / 72 itandard pin itandard pi	90 / 2000 type carriage 2,4,4,7 7 2,4,4,5 18 0n re 91 94 24,000 26,800 35 35 18 0n re 79	0 / 1,830 e e 996 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PERFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load (1) Travel speed, with / without load 111cc pump Lowering speed with / without load 111cc pump Lowering speed with / without load	S/e/I	in i	mm km/h km/h	3.5 / S 98 2 99 1 1 1 1 2 11 17 On re 81 98 22,900 25,700 37 42 17 On re 71 98	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 15 80 CUMIM 27 equest 0.41 0.50 109 121 37 42 CUMIN 27 equest 0.36 0.50	90 / 200 type carriag 2,4 7 2,4 (24 34 5,4 4,8 INS QSB 18 On re 91 94 24,100 26,900 37 37 AINS QSB 18 On re 79 94	e e 996	3.5 / s 98 2 99 (8 / 72 itandard pin itandard pi	90 / 2000 type carriage 2,4 7 2,4 (22 32 5,4 4,5 18 On re 91 94 24,000 26,800 35 35 18 On re 79	0 / 1,830 e e 996 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PERFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3 5-1-1 5-2 5-3 5-5-5	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load PERFORMANCE Travel speed, with / without load PERFORMANCE Travel speed, with / without load 1) Travel speed, with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	S/e/I	in i	mm km/h km/h	3.5 / S 98 22 99 11 11 11 11 11 11 11 11 11 11 11 11	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 15 80 CUMIM 27 equest 0.41 0.50 109 121 37 42 CUMIN 27 equest 0.36 0.50 99	90 / 200 type carriag 2,4 7 2,4 (24 34 5,4 4,8 INS QSB 18 On re 91 94 24,100 26,900 37 37 AINS QSB 18 On re 79 94 22,000	e e 996	3.5 / s 98 2 99 (8 / 72 itandard pin itandard pi	90 / 2000 type carriage 2,4,4,7 7,2,4,4,5 18 0n re 91 94 24,000 35 35 18 0n re 79 94 21,900	0 / 1,830 e e 996 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PERFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3 5-1-1 5-2 5-3 5-5-5	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load PERFORMANCE Travel speed, with / without load Travel speed, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 111cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	S/e/I	in i	mmmmmmmmmmmmmmmmmmskm/skNkNkNkNkNm/sm/skNkNkNkNkNkNkNkNkNkNkNkNkNkNkNkNkNkNkN	3.5 / S 98 2 99 1 11 1 12 11 17 On re 81 98 22,900 25,700 37 42 17 On re 71 98 20,800 23,600	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 15 80 CUMIM 27 quest 0.41 0.50 109 121 37 42 CUMIN 27 quest 0.36 0.50 99 111	90 / 200 type carriag 2,4 7 2,4 (24 34 5,4 4,5 1NS QSB 18 On re 91 94 24,100 26,900 37 37 AINS QSE 18 On re 79 94 22,000 24,700	e e 996	3.5 / s 98 2 99 (8 / 72 itandard pin itandard pi	90 / 200 type carriage 2,4 7 2,4 (22 32 5,4 4,5 18 On re 91 94 24,000 35 35 18 On re 79 94 21,900 24,600	0 / 1,830 e e 996 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
PERFORMANCE	4-22 4-23 4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3 5-1-1 5-2 5-3 5-5-5	Fork dimensions ISO 2331 Fork carriage type Fork carriage width Distance between fork-arms, minimum (in-in) Distance between fork-arms, maximum (out-out) Sideshift Ground clearance, with load, below mast Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load PERFORMANCE Travel speed, with / without load PERFORMANCE Travel speed, with / without load 1) Travel speed, with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	S/e/I	in i	mm km/h km/h	3.5 / S 98 22 99 11 11 11 11 11 11 11 11 11 11 11 11	8 / 72 Standard pin 3.3 .8 5.3 .0 0 0 3 15 80 CUMIM 27 equest 0.41 0.50 109 121 37 42 CUMIN 27 equest 0.36 0.50 99	90 / 200 type carriag 2,4 7 2,4 (24 34 5,4 4,8 INS QSB 18 On re 91 94 24,100 26,900 37 37 AINS QSB 18 On re 79 94 22,000	e e 996	3.5 / s 98 2 99 (8 / 72 itandard pin itandard pi	90 / 2000 type carriage 2,4,4,7 7,2,4,4,5 18 0n re 91 94 24,000 35 35 18 0n re 79 94 21,900	0 / 1,830 e e 996 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

> H360HD₂/ H210-48HD₂ SPECIFICATIONS

	1-1	Manufacturer					HYS	TED			HYS	TED	
	1-2	Model designation					H360				H210-4		
	1-Z 1-3	· ·						-				-	
₹		Powertrain / drivetrain					Die				Die		
GENERAL	1-4	Operator type	0			00	Sea		200	04.4	Sea		05
픙	1-5	Rated capacity / rated load	Q	lbs	kg	36,0		16,		21,0		9,5	
	1-6	Load center distance	C ₁	in	mm	2		61		4		12:	
	1-8	Load distance	Х	in	mm	3		88		3		88	
	1-9	Wheelbase	У	in	mm	13		3,3		13		3,3	
ے ا	2-1	Service weight		lbs	kg	42,8		19,		39,6		17,9	
Ŋ.	2-2	Axle loading with load, front / rear		lbs	kg	72,761	33,004	6,064	2,750	55,501	25,175	5,112	2,319
	2-3	Axle loading without load, front / rear		lbs	kg	20,412	9,259	22,412	10,166	21,085	9,564	18,527	8,404
	3-1	Tire type					Pneu				Pneur		
ıς	3-2	Tire size, front					12.00-2				12.00-2		
WHEELS	3-3	Tire size, rear					12.00-2				12.00-2		
₹	3-5	Wheels, number front / rear (x = driven wheels)					х4				x4		
	3-6	Tread, front	b ₁₀	in	mm	72		1,8		72		1,8	
	3-7	Tread, rear	b ₁₁	in	mm	78		2,0	00	78		2,0	00
	4-1	Mast tilt, forward / backward		deg	deg		15° ,				15° /		
	4-2	Height, mast lowered	h ₁	in	mm	14		3,5		14		3,5	
	4-3	Free lift (top of forks)	h ₂	in	mm	(((0	
	4-4	Lift (top of forks)	h ₃	in .	mm	14		3,7		14		3,7	
	4-5		h ₄	in .	mm	21		5,3		21		5,3	
	4-7	Height of overhead guard (open cab)	h ₆	in	mm	120		3,0		120		3,0	
	4-7-1	Height of overhead guard (closed cab)	h ₆	in .	mm	12		3,0		12		3,0	
	4-7-2	Height of overhead guard (closed cab w/ air cond.)	h ₆	in	mm	122		3,1		122		3,1	
	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h ₆	in	mm	126		3,2		126		3,2	
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h ₆	in	mm	129		3,2		129		3,2	
2	4-7-5	Height of overhead guard (closed cab w/ air cond. & strobe light)	h ₆	in	mm	129		3,2		129		3,2	
DIMENSIONS	4-8	Seat height to seat point index	h ₇	in	mm	71		1,8		71		1,8	
ă	4-19	Overall length	l ₁	in	mm	26		6,8		29		7,4	
Į₽	4-20	Length to face of forks	l ₂	in	mm	19		4,9		19		4,9	
	4-21	Overall width	b ₂	in	mm	10		2,5		10		2,5	
	4-22	Fork dimensions ISO 2331	s/e/l	in	mm	3.5 / 8		90 / 200		3.5 / 8		90 / 200	
	4-23	Fork carriage type						type carriag				type carriage	
	4-24	Fork carriage width	b ₃	in	mm	9		2,4		9		2,4	
	4-25-1	Distance between fork-arms, minimum (in-in)	3	in .	mm	2.		7		2.		71	
	4-25-2	Distance between fork-arms, maximum (out-out)	b ₅	in	mm	95		2,4		95		2,4	
	4-30	Sideshift	b ₈	in .	mm								
	4-31	Ground clearance, with load, below mast	m ₁)	((0	
				in .	mm	1	0	24	15	1)	24	5
	4-32	Ground clearance, center of wheelbase	m ₂	in	mm	1: 1:	0 3	24 34	15 11	1 1	3	24 34	5 1
	4-32 4-34	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance)	m ₂ Ast	in in	mm mm	1 1 21	0 3 5	24 34 5,4	15 11 73	1 1 21) 3 5	24 34 5,4	.5 .1 .73
	4-32	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius	m ₂	in	mm	1: 1:	0 3 5 80	24 34 5,4 4,5	15 11 73 84	1 1 21 18	0 3 5 0	24 34	.5 .1 .73
	4-32 4-34 4-35	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE	m ₂ Ast W _a	in in in	mm mm mm	11 1: 21 18	0 3 5 80 CUMM	24 34 5,4 4,5 IINS QSB	15 11 <mark>73</mark> 84 6.7 TIER 4	1 21 18 F ENGINE	0 3 5 00	24 34 5,4 4,5	5 1 73 84
	4-32 4-34 4-35 5-1	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1)	m ₂ Ast W _a	in in in mph	mm mm mm	11 1: 21 18 17	0 3 5 80 CUMM 27	24 34 5,4 4,5 IINS QSB 18	15 11 73 84 6.7 TIER 4	1 21 18 F ENGIN 8	27	24 34 5,4 4,5	.5 .1 .73 .84 .29
	4-32 4-34 4-35 5-1 5-1-1	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load	m ₂ Ast W _a	in in in mph mph	mm mm mm km/h	11 21 18 17 On re	0 3 5 80 CUMIV 27 quest	24 34 5,4 4,5 IINS QSB 18 On re	15 11 73 84 6.7 TIER 4 29 quest	1 21 18 F ENGINE 17 On re	27 quest	24 34 5,4 4,5 18 On rec	5
	4-32 4-34 4-35 5-1 5-1-1 5-2	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 126cc pump	m ₂ Ast W _a	in in in mph mph ft/min	mm mm mm km/h km/h	1 1: 21 18 17 On re	0 3 5 80 CUMIV 27 quest 0.41	24 34 5,4 4,5 IINS QSB 18 On re	15 11 73 84 6.7 TIER 4 29 quest 0.46	1 1 21 18 F ENGINE 17 On re	27 quest 0.41	24 34 5,4 4,5 18 On rec	5 .1 73 84 29 quest 0.46
	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load	m ₂ Ast W _a	in in in mph mph ft/min ft/min	mm mm mm km/h km/h m/s	11 21 18 17 On rea 81 98	0 3 5 80 CUMN 27 quest 0.41 0.50	24 34 5,4 4,5 IINS QSB 18 On re 91	15 11 73 84 6.7 TIER 4 29 quest 0.46 0.48	1 21 18 F ENGINE 17 On re 81 98	27 quest 0.41 0.50	24 34 5,4 4,5 18 On rec 91 94	29 quest 0.46 0.48
	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	m ₂ Ast W _a	in in in mph mph ft/min ft/min lbs.	mm mm mm km/h km/h m/s m/s	11 21 18 17 0n re 81 98 22,500	0 3 5 80 CUMIV 27 quest 0.41 0.50 108	24 5,4 4,5 IINS QSB 18 On re 91 94 23,900	15 11 73 84 6.7 TIER 4 29 quest 0.46 0.48 111	1 21 18 F ENGINE 17 On re 81 98 23,300	27 quest 0.50 109	24 34 5,4 4,5 18 On rec 91 94 24,100	29 quest 0.46 0.48 111
CE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load	m ₂ Ast W _a	in in in in mph mph ft/min ft/min lbs. lbs.	mm mm mm km/h km/h m/s m/s kN	11 21 18 17 On re 81 98 22,500 25,300	0 3 5 80 CUMM 27 quest 0.41 0.50 108 120	24 5,4 4,5 IINS QSB 18 On re 91 94 23,900 26,800	55 11 73 84 6.7 TIER 4 29 quest 0.46 0.48 111 123	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100	27 quest 0.41 0.50 109 122	24 34 5,4 4,5 18 On rec 91 94 24,100 26,900	29 quest 0.46 0.48 111 123
IANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load	m ₂ Ast W _a	in in in mph mph ft/min ft/min lbs. lbs. %	mm mm mm km/h km/h m/s m/s kN kN	11 11 12 11 18 17 18 17 18 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	0 3 3 5 5 800 CUMIN 27 quest 0.41 0.50 108 120 32	24 34 4,5 4,5 11NS QSB 18 On re 91 94 23,900 26,800 34	15 11 773 884 6.7TIER 4 29 quest 0.46 0.48 111 123 34	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44	27 quest 0.41 0.50 109 122 44	24 34 5,4 4,5 18 On rec 91 94 24,100 26,900 37	29 quest 0.46 0.48 111 123 37
DRMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load Gradeability - stall, with / without load	m ₂ Ast W _a	in in in in mph mph ft/min ft/min lbs. lbs.	mm mm mm km/h km/h m/s m/s kN	11 21 18 17 On re 81 98 22,500 25,300	0 3 3 5 5 60 CUMMV 27 quest 0.41 0.50 108 120 32 36	24 34 5,4 4,5 IINS OSB 18 On re 91 94 23,900 26,800 34 34	55 41 73 84 6.7 TIER 4 29 quest 0.46 0.48 111 123 34 34	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51	27 quest 0.41 0.50 109 122 44 51	24 34 5,4 4,5 18 On rec 91 94 24,100 26,900	29 quest 0.46 0.48 111 123
ERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE	m ₂ Ast W _a	in in in mph mph ft/min ft/min lbs. lbs. %	mm mm mm km/h km/h m/s kN kN %	11 11 12 11 18 17 17 18 17 17 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	0 3 3 5 5 80 CUMM 27 quest 0.41 0.50 108 120 32 36 CUMM	24 5,4 4,5 IINS QSB 18 On re 91 94 23,900 26,800 34 34 VIINS QSE	55 41 73 84 6.7TIER 4 29 quest 0.46 0.48 111 123 34 34 36.7TIER 3	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51 3 ENGINE	0 3 5 5 00 E 27 quest 0.41 0.50 109 122 44 51	24 34 5,4,5 18 0n rec 91 94 24,100 26,900 37 37	29 quest 0.46 0.48 111 123 37 37
PERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1)	m ₂ Ast W _a	in in in mph mph ft/min ft/min lbs. lbs. % mph	mm mm km/h km/h m/s m/s kN kN % kN	11 11 12 11 18 17 18 17 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	0 3 3 5 5 60 CUMIN 27 quest 0.41 0.50 108 120 32 36 CUMIN 27	24 34 5,4 4,5 IINS QSB 18 On re 91 94 23,900 26,800 34 34 MINS QSB 18	55 41 73 84 6.7TIER 4 29 quest 0.46 0.48 111 123 34 34 36.7TIER 3	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51 3 ENGINE 17	0 3 5 5 00 5 5 00 5 5 00 5 5 00 5 0 5 00 5 0 0 5 0 0 5 0	24 34 5,4,5 18 0n rec 91 94 24,100 26,900 37 37	29 quest 0.46 0.48 111 123 37 37
PERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load	m ₂ Ast W _a	in in in in mph mph ft/min lbs. lbs. % %	mm mm km/h km/h m/s m/s kN kN % %	11 11 12 11 18 17 18 17 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	0 3 3 5 5 80 CUMIN 27 quest 0.41 0.50 108 120 32 36 CUMIN 27 quest	24 34 5,4 4,5 IINS QSB 18 On re 91 94 23,900 26,800 34 34 AINS QSB 18 On re	55 41 73 84 6.7TIER 4 29 quest 0.46 0.48 111 123 34 34 36.7TIER 3 29 quest	1 1 21 18 F ENGINE 17 On re 81 98 23,300 44 51 8 ENGINE 17 On re	0 3 5 00 E 27 quest 0.41 0.50 109 122 44 51 27 quest	24 34 5,4 4,5 18 0n rec 91 94 24,100 26,900 37 37 18 On rec	29 quest 0.46 0.48 111 123 37 37 29 quest
PERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 111cc pump	m ₂ Ast W _a	in in in mph mph ft/min lbs. lbs. % mph mph ft/min mph ft/min mph ft/min	mm mm km/h km/h m/s kN kN % % km/h km/h	11 11 12 11 18 17 18 18 18 18 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	0 3 3 5 5 80 CUMM 27 quest 0.41 0.50 108 120 32 36 CUMM 27 quest 0.36	24 34 5,4 4,5 IINS QSB 18 On re 91 94 23,900 26,800 34 34 AINS QSB 18 On re 79	55 41 73 84 6.7TIER 4 29 quest 0.46 0.48 111 123 34 34 36.7TIER 3 29 quest 0.40	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51 3 ENGINE 17 On re 71	0 3 5 00 5 00 5 00 5 00 5 00 5 00 5 00	24 34 5,4 4,5 18	29 quest 0.46 0.48 111 123 37 37 29 quest 0.40
PERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with load locked / without load Lifting speed, with / without load 111cc pump Lowering speed with / without load	m ₂ Ast W _a	in in in in mph mph ft/min lbs. lbs. % w mph mph ft/min ft/min ft/min mph	mm mm mm km/h km/h km/s m/s kN kN % % which km/h m/s m/s m/s km/h km/h m/s m/s	11 11 12 11 18 17 18 18 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 18 18 18 18 18 18 18 18 18 18 18 18	0 3 3 5 5 60 CUMM 27 quest 0.41 0.50 108 120 32 36 CUMM 27 quest 0.36 0.50	24 34 5,4 4,5 IINS OSB 18 On re 91 94 23,900 26,800 34 34 7INS OSB 18 On re 79	55 41 73 84 6.7TIER 4 29 quest 0.46 0.48 111 123 34 34 36.7TIER 3 29 quest 0.40 0.48	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51 3 ENGINE 17 On re 71 98	0 3 5 00 5 00 5 00 5 00 5 00 5 00 5 00	24 34 5,4 4,5 18	29 quest 0.46 0.48 111 123 37 37 29 quest 0.40 0.48
PERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3 5-5	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 111cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	m ₂ Ast W _a	in in in in mph mph ft/min lbs. mph mph ft/min lbs. mph mph mph mph mph mph ft/min lbs.	mm mm mm km/h km/h km/s m/s kN % % w kn/h km/h m/s m/s	11 11 12 11 18 11	0 3 3 5 5 60 CUMM 27 quest 0.41 0.50 108 120 32 36 CUMM 27 quest 0.36 0.50 98	24 34 5,4 4,5 IINS OSB 18 On re 91 94 23,900 26,800 34 34 AINS OSE 18 On re 79 94 21,800	55 41 73 84 6.7TIER 4 29 quest 0.46 0.48 111 123 34 34 34 36.7TIER 3 29 quest 0.40 0.48	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51 3 ENGINE 17 On re 71 98 21,200	0 3 5 00 5 00 5 00 5 00 5 00 5 00 5 00	24 34 5,4 4,5 18 0n rec 91 94 24,100 26,900 37 37 18 0n rec 79 94 22,000	29 quest 0.46 0.48 111 123 37 37 29 quest 0.40 0.48 102
PERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3 5-5 5-6	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load Lifting speed, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 111cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	m ₂ Ast W _a	in in in in mph mph ft/min lbs. mph mph ft/min lbs. mph mph mph mph mph ft/min lbs. lbs.	mm mm mm km/h km/h m/s m/s kN % % %	11 11 12 11 18 11 18 11 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0 3 3 5 5 80 CUMM 27 quest 0.41 0.50 108 120 32 36 CUMM 27 quest 0.36 0.50 98 111	24 34 5,4 4,5 1INS OSB 18 On re 91 94 23,900 26,800 34 34 7INS OSB 18 On re 79 94 21,800 24,600	15 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51 3 ENGINE 17 On re 71 98 21,200 23,900	27 quest 0.41 0.50 109 122 44 51 27 quest 0.36 0.50 100 112	24 34 5,4 4,5 18 0n rec 91 94 24,100 26,900 37 37 18 0n rec 79 94 22,000 24,700	29 quest 0.46 0.48 111 123 37 37 29 quest 0.40 0.48 102 114
PERFORMANCE	4-32 4-34 4-35 5-1 5-1-1 5-2 5-3 5-5 5-6 5-7 5-8 5-1 5-1-1 5-2 5-3 5-5	Ground clearance, center of wheelbase Min. aisle width (add load length and clearance) Outside turning radius PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 126cc pump Lowering speed with / without load 126cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - stall, with / without load Gradeability - 1 mph 1.6 km/h, with / without load Gradeability - stall, with / without load PERFORMANCE Travel speed, with / without load (1) Travel speed, with / without load 111cc pump Lowering speed with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load Drawbar pull - 1 mph 1.6 km/h, with / without load	m ₂ Ast W _a	in in in in mph mph ft/min lbs. mph mph ft/min lbs. mph mph mph mph mph mph ft/min lbs.	mm mm mm km/h km/h km/s m/s kN % % w kn/h km/h m/s m/s	11 11 12 11 18 11	0 3 3 5 5 60 CUMM 27 quest 0.41 0.50 108 120 32 36 CUMM 27 quest 0.36 0.50 98	24 34 5,4 4,5 IINS OSB 18 On re 91 94 23,900 26,800 34 34 AINS OSE 18 On re 79 94 21,800	55 41 73 84 6.7TIER 4 29 quest 0.46 0.48 111 123 34 34 34 36.7TIER 3 29 quest 0.40 0.48	1 1 21 18 F ENGINE 17 On re 81 98 23,300 26,100 44 51 3 ENGINE 17 On re 71 98 21,200	0 3 5 00 5 00 5 00 5 00 5 00 5 00 5 00	24 34 5,4 4,5 18 0n rec 91 94 24,100 26,900 37 37 18 0n rec 79 94 22,000	29 quest 0.46 0.48 111 123 37 37 29 quest 0.40 0.48 102

H230-48HD₂ / H250-48HD₂ SPECIFICATIONS



	1-1	Manufacturer					HYS	STER			HYS	TER	
	1-2	Model designation					H230-	48HD ₂			H250-	48HD ₂	
ш.	1-3	Powertrain / drivetrain					Die	esel			Die	sel	
GENERAL	1-4	Operator type					Sea	ated			Sea	ited	
	1-5	Rated capacity / rated load	Q	lbs	kg	23,	000	10,	433	25,		11,3	840
8	1-6	Load center distance	C ₁	in	mm	4		12			8	12:	
	1-8	Load distance	X	in	mm	3		88			5	88	
	1-9	Wheelbase	v	in	mm	13		3,3		13		3,3	
	2-1	Service weight	У	lbs		41,3		18,		43,		19,5	
¥	2-1	· ·			kg							1	
3	2-2	Axle loading with load, front / rear		lbs	kg	58,739	26,643	5,648	2,562	61,975	28,111	6,176	2,801
		Axle loading without load, front / rear		lbs	kg	21,045	9,546	20,342	9,227	21,004	9,527	22,147	10,046
	3-1	Tire type						matic			Pneu		
ω	3-2	Tire size, front						20 20PR			12.00-2		
WHEELS	3-3	Tire size, rear						20 20PR			12.00-2		
II₹	3-5	Wheels, number front / rear (x = driven wheels)						/ 2			x4		
	3-6	Tread, front	b ₁₀	in	mm	72		1,8		72		1,8	
	3-7	Tread, rear	b ₁₁	in	mm	78		2,0	100	78		2,0	00
	4-1	Mast tilt, forward / backward	α/β	deg	deg			/ 12°			15° /		
	4-2	Height, mast lowered	h ₁	in	mm	14		3,5		14		3,5	
	4-3	Free lift (top of forks)	h ₂	in	mm	()	()	()	C	1
	4-4	Lift (top of forks)	h ₃	in	mm	14	17	3,7	'50	14	17	3,7	50
	4-5	Height, mast extended	h ₄	in	mm	21	13	5,3	198	21	13	5,3	98
	4-7	Height of overhead guard (open cab)	h ₆	in	mm	120	0.2	3,0	153	12	0.2	3,0	53
	4-7-1	Height of overhead guard (closed cab)	h ₆	in	mm	12	1.6	3,0	189	12	1.6	3,0	89
	4-7-2	Height of overhead guard (closed cab w/ air cond.)	h ₆	in	mm	12:	2.9	3,1	22	12:	2.9	3,1	22
	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h ₆	in	mm	12	8.6	3,2	21	12	6.8	3,2	21
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h ₆	in	mm	129	9.1	3,2	180	12	9.1	3,2	80
رم ا م	4-7-5	Height of overhead guard (closed cab w/ air cond. & strobe light)	h ₆	in	mm	12	9.7	3,2	95	12	9.7	3,2	95
DIMENSIONS	4-8	Seat height to seat point index	h ₇	in	mm	71	.6	1,8	118	71	.6	1,8	18
S	4-19	Overall length	l,	in	mm	29	93	7,4	38	29	93	7,4	38
ğ	4-20	Length to face of forks	l ₂	in	mm	19	97	4,9		19	97	4,9	98
	4-21	Overall width	b ₂	in	mm	10	00	2,5		1(00	2,5	41
	4-22	Fork dimensions ISO 2331	s/e/l	in	mm	3.5 / 8	8 / 96	90 / 200	1 / 2,440	3.5 /	8 / 96	90 / 200	/ 2,440
	4-23	Fork carriage type				S	tandard pin	type carriag	е	S	tandard pin	type carriage	Э
	4-24	Fork carriage width	b ₃	in	mm	98	1.3	2,4	96	98	3.3	2,4	96
	4-25-1	Distance between fork-arms, minimum (in-in)	b ₅	in	mm	2.	.8	7	0	2	.8	71	0
	4-25-2	Distance between fork-arms, maximum (out-out	b ₅	in	mm	95	i.3	2,4	20	95	5.3	2,4	20
	4-30	Sideshift	b ₈	in	mm	()	()	()	C)
	4-31	Ground clearance, with load, below mast	m ₁	in	mm	1	0	24	15	1	0	24	.5
	4-32	Ground clearance, center of wheelbase	m ₂	in	mm	1		34	11		3	34	1
	4-34	Min. aisle width (add load length and clearance)	Ast	in	mm	21		5,4		21		5,4	
	4-35	Outside turning radius	W.	in	mm	18		4,5		18		4,5	
		PERFORMANCE	a					IINS QSB				.,0	
	5-1	Travel speed, with / without load (1)		mph	km/h	17		18			27	18	29
	5-1-1	Travel speed, with load locked / without load		mph	km/h	On re		On re		On re		On red	
	5-2	Lifting speed, with / without load 126cc pump		ft/min		81	0.41	91	0.46	81	0.41	91	0.46
	5-3	Lowering speed with / without load		ft/min		98	0.50	94	0.48	98	0.50	94	0.48
	5-5	Drawbar pull - 1 mph 1.6 km/h, with / without load		lbs.	kN	23,100	109	25,900	121	23,000	109	24,000	111
	5-6	Drawbar pull - stall, with / without load		lbs.	kN	25,900	121	26,800	123	25,800	121	26,800	123
벌	5-7	Gradeability - 1 mph 1.6 km/h, with / without load		%	%	40	40	36	36	38	38	34	34
Į į	5-8	Gradeability - stall, with / without load		%	%	46	46	36	36	44	44	34	34
É		PERFORMANCE		,,,	, ,			MINS QSE				J.	Ų.
PERFORMANCE	5-1	Travel speed, with / without load (1)		mph	km/h	17	27	18	29	17	27	18	29
-	5-1-1	Travel speed, with load locked / without load		mph	km/h	On re		On re			quest	On red	
	5-2	Lifting speed, with / without load 111cc pump		ft/min		71	0.36	79	0.40	71	0.36	79	0.40
	5-3	Lowering speed with / without load		ft/min		98	0.50	94	0.48	98	0.50	94	0.48
	5-5	Drawbar pull - 1 mph 1.6 km/h, with / without load		lbs.	kN	21,000	100	21,900	101	20,900	99	21,900	101
	5-6	Drawbar pull - stall, with / without load		lbs.	kN	23,700	112	24,600	114	23,600	112	24,600	114
	5-7	Gradeability - 1 mph 1.6 km/h, with / without load		%	%	36	36	36	36	35	35	34	34
	5- <i>1</i>	Gradeability - Stall, with / without load		%	%	41	41	36	36	40	40	34	34
	J-0	Gradeability - Stall, With / Without IDau		/0	/0	41	41	30	30	40	40	34	34

POWERTRAINS

Ā	1-1	Manufacturer		HYSTER
	1-2	Model designation		H300-360HD ₂ / H210-250-48HD ₂
GE	1-3	Powertrain / drivetrain		Diesel

	7-1	Engine manufacturer / model			Cummins	/ QSB 6.7	Cummins	/ QSB 6.7
	7-1a	EPA / CE compliance			Tier 3 / S	tage IIIA	Tier 4F /	Stage IV
	7-2	Engine power output according to ISO 1585	hp	kW	155	116	164	122
	7-2-1	Engine power output - Peak	hp	kW	155	116	168	125
ENGINE	7-3	Governed speed	rpm	1/min	2,3	00	2,3	800
ENG	7-3-1	Engine torque @rpm (1/min)	lb-ft	N-m	440 @ 1,500	597 @ 1,500	540 @ 1,500	732 @ 1,500
	7-4	Number of cylinders / displacement	# / in³	# / cm ³	6 / 409	6 / 6,700	6 / 409	6 / 6,700
		Turbocharger	Туре		Wast	egate	Variable geomet	ry, water cooled
	7-8	Alternator output	Amps		12	20	12	20
	7-9	Electrical system voltage	V		2	4	2	4
	7-10	Battery voltage, rated capacity	V / Ah		24 /	102	24 /	102

8-1	Drive control / Transmission	Type / #	Powershift Transmission
8-2	Transmission manufacturer / type	Type / #	ZF / WG161
8-4	Transmission speeds forward / backward	#	3/3
€ 8-5	Coupling	Туре	Torque Converter
8-6	Wheel drive / drive axle manufacturer / type	Type / #	Kessler / D81
8-11	Service brake	Туре	Oil immersed (wet) disc
8-12	Parking brake	Туре	Spring applied, dry disc on drive axle

	10-1	Operating pressure for attachments	psi	I	3,263	22.5	3,263	22.5
	10-2	Oil volume for attachments	gal/min	I/min	26.4	100	26.4	100
۱.,	10-3	Hydraulic tank capacity	gal	1	37	140	37	140
Į§.	10-4	Fuel tank capacity	gal	I	42	158	42	158
-	10-4-1	DEF tank capacity	gal	I	NA	NA	5	19
	10-5	Steering design			Hydraulic po	wer steering	Hydraulic po	wer steering
	10-6	Number of steering rotation			4	.5	4.	5

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.

- (1) Travel speed laden/unladen limited at 15.5 mph / 25 km/h as factory default
- (2) T4 engine based on low mount exhaust.

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.

NOTICE

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.

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

MAST AND CAPACITY INFORMATION <



RATED CAPACITY LBS: H300-330HD, @ 24 IN LOAD CENTER

	4-	,	4-	4	4-	-2	4-	-5	Max ro		Max ro	ast Hor lan			Stand	ard Pin	Туре са	rriage	Apro	on Pin T	ype carr	iage	QΓ	DFSSF	P Carria	age
	Lift h		Lift h	eight	Ove lowe hei	ered	Ove exte hei	nded	(retra		(exter	nded)	Ma wei		H30	OHD ₂	H330	OHD ₂	H30	OHD ₂	H330	OHD ₂	H30	OHD ₂	H330	OHD ₂
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
	108	2750	104	2660	121	3068	174	4398	100	2520	47	1190	5567	2525	30,000	13,600	33,000	15,000	30,000	13,600	33,000	15,000	29,300	13,300	32,400	14,700
	118	3000	114	2910	126	3193	183	4648	105	2645	47	1190	5730	2599	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
	127	3250	124	3160	131	3318	193	4898	110	2770	47	1190	5900	2676	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
	137	3500	134	3410	136	3443	203	5148	114	2895	47	1190	6065	2751	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
	147	3750	144	3660	141	3568	213	5398	119	3020	47	1190	6235	2828	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
ఠ	157	4000	153	3910	146	3693	223	5648	124	3145	47	1190	6398	2902	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
GE	177	4500	173	4410	156	3943	243	6148	134	3395	47	1190	6733	3054	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
STAG	187	4750	183	4660	161	4068	252	6398	139	3520	47	1190	7022	3185	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
2 S.	196	5000	193	4910	166	4193	262	6648	144	3645	47	1190	7194	3263	30,000	13,600	33,000	15,000	30,000	13,608	33,000	15,000	29,300	13,300	32,400	14,700
	216	5500	212	5410	175	4443	282	7148	154	3895	47	1190	7873	3571	29,600	13,400	32,600	14,790	29,600	13,400	32,500	14,740	29,000	13,150	32,300	14,650
	236	6000	232	5910	185	4693	302	7648	164	4145	47	1190	8210	3724	29,200	13,240	32,200	14,600	29,100	13,200	32,000	14,510	25,500	11,570	31,000	14,060
	246	6250	242	6160	190	4818	311	7898	169	4270	47	1190	8384	3803	29,000	13,150	31,900	14,470	28,900	13,100	31,800	14,420	23,300	10,570	23,400	10,610
	255	6500	252	6410	195	4943	321	8148	174	4395	47	1190	8552	3879	28,800	13,060	31,700	14,380	28,600	12,970	31,500	14,290	21,200	9,620	21,200	9,620
	275	7000	272	6910	205	5193	341	8648	183	4645	47	1190	9017	4090	28,300	12,830	31,200	14,150	28,000	12,700	30,900	14,020	17,500	7,940	17,400	7,890

The capacity for models H300HD₂, H330HD₂, H360HD₂ are calculated using 72" x 3.5" x 8" forks.

RATED CAPACITY LBS: ${\rm H360HD_2@24}$ in load center / ${\rm H210\text{-}48HD_2@48}$ in load center

	4-	1	4-	,	4-	-2	4-	-5	Max		Max ro	ast Ilor lan			Stand	ard Pin	Туре са	rriage	Apro	on Pin T	ype carr	riage	QΓ	DFSSF	P Carria	age
	Lift h		Lift h B(eight	Ove lowe hei	ered	Ove exte hei	nded	(retra	icted) ile lap) nax'	(exter	1	Ma wei		H360	OHD ₂	H210-	48HD ₂	H360	OHD ₂	H210-	48HD ₂	H36	OHD ₂	H210-	48HD ₂
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
	108	2750	104	2660	121	3068	174	4398	100	2520	47	1190	5567	2525	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
	118	3000	114	2910	126	3193	183	4648	105	2645	47	1190	5730	2599	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
	127	3250	124	3160	131	3318	193	4898	110	2770	47	1190	5900	2676	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
	137	3500	134	3410	136	3443	203	5148	114	2895	47	1190	6065	2751	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
	147	3750	144	3660	141	3568	213	5398	119	3020	47	1190	6235	2828	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
털	157	4000	153	3910	146	3693	223	5648	124	3145	47	1190	6398	2902	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
	177	4500	173	4410	156	3943	243	6148	134	3395	47	1190	6733	3054	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
STAGE	187	4750	183	4660	161	4068	252	6398	139	3520	47	1190	7022	3185	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,400	16,060	20,500	9,299
2 S.	196	5000	193	4910	166	4193	262	6648	144	3645	47	1190	7194	3263	36,000	16,330	21,000	9,525	36,000	16,330	21,000	9,525	35,300	16,010	20,500	9,299
	216	5500	212	5410	175	4443	282	7148	154	3895	47	1190	7873	3571	35,600	16,150	20,700	9,400	35,600	16,150	20,600	9,340	31,400	14,240	20,300	9,210
	236	6000	232	5910	185	4693	302	7648	164	4145	47	1190	8210	3724	35,100	15,920	20,400	9,250	35,100	15,920	20,300	9,210	25,800	11,700	20,000	9,070
	246	6250	242	6160	190	4818	311	7898	169	4270	47	1190	8384	3803	34,900	15,830	20,300	9,200	34,800	15,790	20,100	9,120	23,400	10,610	19,800	8,980
	255	6500	252	6410	195	4943	321	8148	174	4395	47	1190	8552	3879	34,700	15,740	20,100	9,100	34,500	15,650	19,900	9,030	21,000	9,530	19,600	8,890
	275	7000	272	6910	205	5193	341	8648	183	4645	47	1190	9017	4090	34,200	15,510	19,800	9,000	33,900	15,380	19,500	8,850	17,200	7,800	16,700	7,570

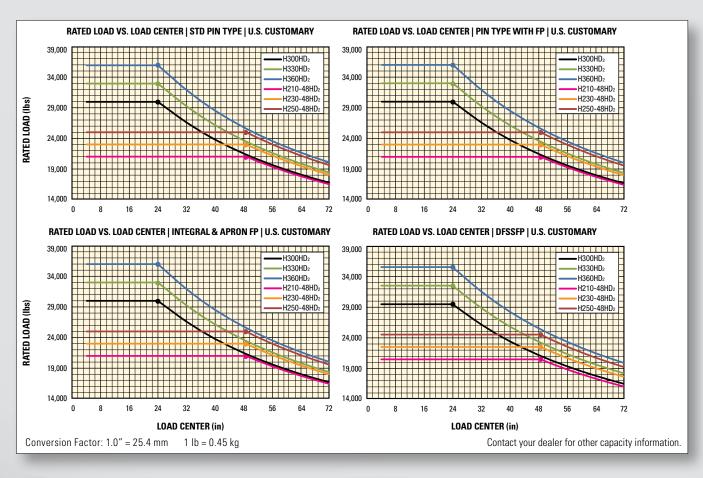
The capacity for models $\rm H300HD_2$, $\rm H330HD_2$, $\rm H360HD_2$ are calculated using 72" x 3.5" x 8" forks. The $H210-48HD_2$, $H230-48HD_2$, $H250-48HD_2$ are calculated using 96" x 3.5" x 8" forks.

RATED CAPACITY LBS: H230-250-48HD, @ 48 IN LOAD CENTER

	4-	,	4-	4	4-	2	4-	-5	Ma max ro			ast Hor lan			Stand	ard Pin	Туре са	rriage	Apro	on Pin T	ype car	riage	Ωſ	DFSSF	P Carria	age
	Lift he	eight	Lift he	eight	Ove lowe hei	ered	Ove exter hei	erali	(retra	cted)	(exte (variat	nded)	Ma we	ast ight	H230-	48HD ₂	H250-	48HD ₂	H230-	48HD ₂	H250-	48HD ₂	H230-	-48HD ₂	H250-	-48HD ₂
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg	lbs	kg
	108	2750	104	2660	121	3068	174	4398	100	2520	47	1190	5567	2525	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
	118	3000	114	2910	126	3193	183	4648	105	2645	47	1190	5730	2599	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
	127	3250	124	3160	131	3318	193	4898	110	2770	47	1190	5900	2676	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
	137	3500	134	3410	136	3443	203	5148	114	2895	47	1190	6065	2751	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
	147	3750	144	3660	141	3568	213	5398	119	3020	47	1190	6235	2828	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
털	157	4000	153	3910	146	3693	223	5648	124	3145	47	1190	6398	2902	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
뜅	177	4500	173	4410	156	3943	243	6148	134	3395	47	1190	6733	3054	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
STAG	187	4750	183	4660	161	4068	252	6398	139	3520	47	1190	7022	3185	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
2 S.	196	5000	193	4910	166	4193	262	6648	144	3645	47	1190	7194	3263	23,000	10,430	25,000	11,340	23,000	10,430	25,000	11,340	22,500	10,200	24,500	11,110
	216	5500	212	5410	175	4443	282	7148	154	3895	47	1190	7873	3571	22,700	10,300	24,700	11,200	22,700	10,300	24,700	11,200	22,400	10,160	24,500	11,110
	236	6000	232	5910	185	4693	302	7648	164	4145	47	1190	8210	3724	22,400	10,180	24,400	11,070	22,400	10,160	24,400	11,070	22,000	9,980	23,900	10,840
	246	6250	242	6160	190	4818	311	7898	169	4270	47	1190	8384	3803	22,200	10,070	24,200	10,980	22,200	10,070	24,200	10,980	21,700	9,840	22,000	9,980
	255	6500	252	6410	195	4943	321	8148	174	4395	47	1190	8552	3879	22,100	10,020	24,100	10,930	22,000	9,980	24,100	10,930	20,000	9,070	20,200	9,160
	275	7000	272	6910	205	5193	341	8648	183	4645	47	1190	9017	4090	21,700	9,840	23,700	10,750	21,600	9,800	23,700	10,750	16,800	7,620	16,800	7,620

The $H210-48HD_2$, $H230-48HD_2$, $H250-48HD_2$ are calculated using 96" x 3.5" x 8" forks.

CAPACITY RATINGS



FEATURES AND OPTIONS

PERFORMANCE	STD	0PT
Cummins QSB 6.7L Tier 4F diesel engine 164 hp (122 kW)*	Х	
Cummins QSB 6.7L Tier 3 diesel engine 155.6 hp (116 kW)*	Х	
Tier 4 / Stage IV compliant*	Х	
Tier 3 / Stage III compliant*	Х	
Variable geometry turbocharger, water cooled*	Х	
Wastegate turbocharger*	Х	
On-demand cooling fan*	Х	
120 amp alternator	Х	
Powertrain protection system	Х	
Heavy duty air intake	Х	
Heavy duty air intake (raised)		Х
Low mount exhaust (below chassis)*	Х	
High mount exhaust		Х
ZF Transmission WG161 3-speeds forward/3-speeds reverse auto-shifting	Х	
Kessler D81 drive axle with wet disc brakes	Х	
LIFT	STD	ОРТ
111cc Dual Pump Hydraulic System*		Х
126cc Dual Pump Hydraulic System*	Х	
On-Demand Load Sensing Hydraulic System	Х	
Automatic Throttle-up when lifting (in neutral or inching)	Х	
Variable lap mast for low roller forces	Х	
2 stage Non Free Lift mast	Х	
2 Stage Full Free Lift mast		Х
3 Stage Full Free Lift mast		Х

Mast tilt - 5° Forward / 6° Back		Х
Mast tilt - 5° Forward / 12° Back		Χ
Mast tilt - 15° Forward / 10° Back		Χ
Mast tilt - 15° Forward / 12° Back	Х	
Mast tilt - 20.5° Forward / 7° Back		Χ
Hydraulic Accumulator		Χ
Pressure Compensated Lowering		Χ
Hydraulic system temperature protection		Χ
DRIVE	STD	ОРТ
Traction speed limiter - loaded (adjustable)		Χ
Travel Speed Limiter pre-set to 10 mph / 16 km/h		Χ
Travel Speed Limiter pre-set to 12 mph / 20 km/h		Χ
12.00 - 20 20PR Trelleborg Pneumatic Bias Ply drive and steer tires	Х	
12.00 - R20 Michelin XZM Radial drive and steer tires		Х
12.00 - R20 Trelleborg Radial drive and steer tires		Х
12.00 - 20 Pneumatic Shaped Solid drive and steer tires		Х
10.00 - 20 Pneumatic Shaped Solid drive and steer tires		Χ
Spare wheels and tires		Х
HANDLING	STD	ОРТ
Short Wheelbase (SPED)		Х
Mast Tilt Indicator - Mechanical		Х
98.5" (2500mm) Pin type carriage with mechanical fork locks	Х	
98.3" (2500mm) Pin type carriage with simultaneous and independent fork positioner*	Х	

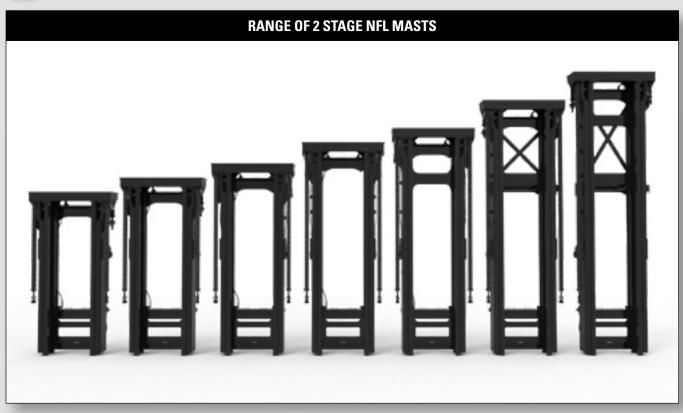
FEATURES AND OPTIONS <

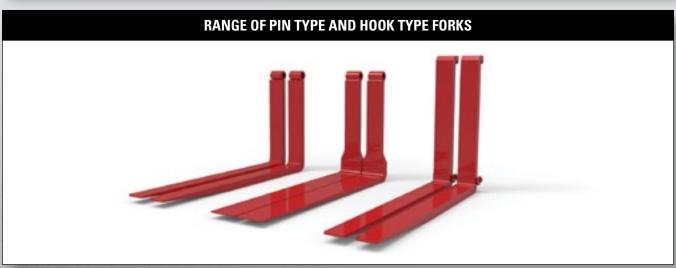
98.3" (2500mm) Pin type apron style sideshift carriage wit mechanical fork locks		Х
98.3" (2500mm) Pine type pron style sideshift carriage with simultaneous fork positioner		Х
98.3" (2500mm) Pin type apron style sideshift carriage with simultaneous and independent fork positioner (only for 3-stage mast)		Х
98.3" (2500mm) QD Hook type dual function sideshift carriage with simultaneous and Independent fork positioner		Х
98.3" (2500mm) QD Hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions		Х
71" (1800mm) High load backrest (for 3-stage mast)		Х
80" (2040mm) High load backrest		Х
98" (2500mm) High load stabilizer (for lumber applications)		Х
72" Long x 3.5" Thick x 7.9" Wide (1830mm x 90mm x 200mm) Forks	Х	
96" Long x 3.5" Thick x 7.9" Wide (2440mm x 90mm x 200mm) Forks (Note: standard on H210-250/48 models only)	Х	
Pin type forks (various sizes)		Х
Pin type forks for lumber applications		Х
Hook type quick disconnect DFSSFP forks (various sizes)		Х
ERGONOMICS	STD	OPT
Open module operator compartment (without doors & screens)	Х	
Full steel cab operator compartment		X
Powered tilt operator compartment for service		Х
Manual tilt operator compartment for service	X	
Isolated mounting for low noise and vibration	X	
Operator presence system Mechanical suspension seat	X	
Deluxe air suspension seat		Х
Low backrest seat	Х	
High backrest seat		Х
Cloth seat cover		Х
Vinyl seat cover	Х	
Seat heating		Х
2-point high visibility seatbelt	Χ	
3-point high visibility seatbelt		Χ
Floor mat	Х	
Coat hook	Х	
Front, top and rear wipers		X
"H"-pattern front wiper		X
"I"-pattern front wiper Front and rear window defrosters		X
Laminated glass operator compartment front window		X
Tinted operator compartment windows (all)		X
Tinted operator compartment top window		X
Rain top		X
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		Χ
Operator shield wire mesh		Х
Multifunction display panel	Х	
Mini-lever and rocker switch hydraulic control (integrated in arm rest)	Х	
Seat-side joystick hydraulic control	.,	Х
Steering wheel without spinner knob	Х	V
Steering wheel with spinner knob Directional control lever		X
Hyster Monotrol pedal directional control	Х	
Directional control switch (integrated in arm rest)		Х
Self-setting park brake		X
Manual park brake	Х	
Interior wide angle mirrors	X	
Heater with 3 speed fan		Х
Diesel fueled cabin heater		Х
Telescoping & tilting steering column	Х	
	100	

DC/DC converter 24 volt/12 volt with socket	X	
DC/DC converter 24 volt/12 volt with socket	^	Х
Heavy duty air conditioning		X
Reading light		X
Sun shades on top and rear		X
Trainer seat		X
Recirculation fan		X
Additional operator fan		X
Rear locking console		X
Accessory mounting post		X
Rear locking console in cab		X
Heated top window		X
Radio preparation set-up (wiring, two speakers and antenna)		X
VISIBILITY	STD	OPT
	טוט	
Exterior mirrors mounted to cab		X
Rear view camera system		X
Halogen work lights		Х
High Performance LED work lights		Х
Two head lights mounted on front fenders		Х
Four mast mounted work lights		X
Four cabin mounted work lights		X
Two rearward work lights mounted on the cabin		Х
LED stop/tail/brake lights	Х	
Turn signals, hazard & marker lights (LED)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Х
Turn signals, hazard & marker lights (LED)	X	
OPERATION	STD	OPT
Electric air horn 105 dBA	Х	
Visible alarm – Amber strobe light, key switch activated		X
Audible alarm – Reverse direction activated 82–102 dB(A), self-adjusting		X
Forward / reverse motion alarm		X
Seatbelt interlock for engine start and truck operation		X
Hydraulic load weighing system		X
Tire pressure monitoring system		X
Lockable battery disconnect switch		X
Battery jump start connector (NATO plug) "Empty seat" engine shutdown		X
Kev switch start	V	٨
Key switch start with interlock	X	Х
Electric circuit breakers instead of fuses		X
Non-lockable fuel cap	Х	^
Lockable fuel cap	^	Х
Diesel fuel inlet strainer in filler neck		X
Hyster Tracker wireless asset management system	X	
Hyster Tracker wireless asset management - Access / Verification		Х
Hyster Tracker wireless asset management - Monitoring		X
Auto greasing system for basic truck & outer mast		X
Auto greasing system for base truck		X
24 volt electrical system	Х	
Engine block heater 110 & 240 volt		Х
Steer wheel lug nut protection		Х
Front mud flaps		Х
Rear mud flaps		Χ
Lifting eyes - 2 front and 2 rear		Χ
Wire mesh belly pan	1	Х
		_ ^
Wire mesh and plates belly pan		X
	STD	
Wire mesh and plates belly pan SUPPLEMENTAL	STD X	Х
Wire mesh and plates belly pan		Х

*Standard or optional in selected markets. Other options available through Special Products Engineering Department (SPED). Contact your local Hyster® dealer for details.

FRONT END EQUIPMENT







FRONT END EQUIPMENT <



98.5" PIN TYPE APRON STYLE SIDESHIFT CARRIAGE WITH SIMULTANEOUS AND **INDEPENDENT FORK POSITIONER (FOR LUMBER APPLICATIONS)**





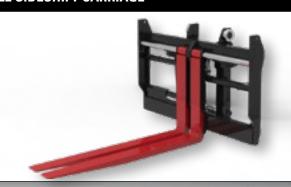
98.5" PIN TYPE CARRIAGE WITH SIMULTANEOUS AND INDEPENDENT FORK POSITIONER





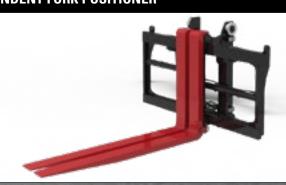
98.5" PIN TYPE APRON STYLE SIDESHIFT CARRIAGE





98.5" QD HOOK TYPE DUAL FUNCTION SIDESHIFT WITH SIMULTANEOUS AND INDEPENDENT FORK POSITIONER









Hyster Company P.O. Box 7006 Greenville, North Carolina 27835-7006 Part No. H300-360HD2/TG 9/2018 Litho in U.S.A.

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