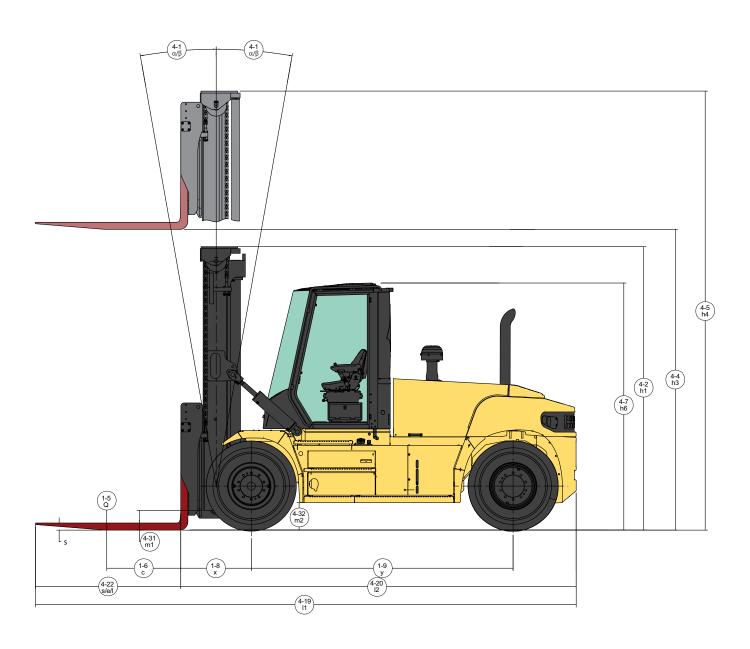
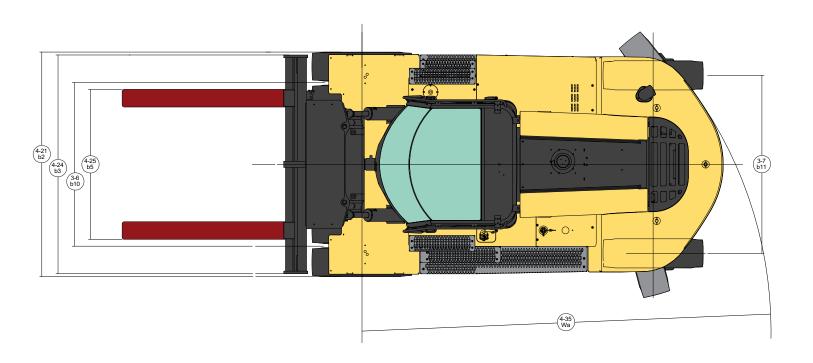


HEAVY DUTY FORKLIFT TRUCK PNEUMATIC TIRE PRODUCT TECHNICAL GUIDE







H190XD | H210XD SPECIFICATIONS

	1-1	Manufacturer	1	I			HYS	TER			HYS	TER	
	1-2	Model designation					H190					0XD	
	1-3	Powertrain / drivetrain					Dies					esel	
GENERAL	1-4	Operator type					Seat	ed			Sea	ated	
H	1-5	Rated load capacity	Q	lb	kg	19,0	000	8,6	18	21,0	000	9,5	25
5	1-6	Load center	С	in	mm	2.		61		2.		61	
	1-8	Load distance	х	in	mm	31	.9	80	9	31	.9	80)9
	1-9	Wheelbase	У	in	mm	10)6	2,7	00	10)6	2,7	00
⊢	2-1	Total truck weight without load	,	lb	kg	28,4		12,8	383	29,	549	13,4	
WEIGHT	2-2	Axle loading with load, front / rear		lb	kg	43,704	3,699	19,824	1,678	46,529	4,019	21.105	1,823
ME	2-3	Axle loading without load, front / rear		lb	kg	14,722	13,682	6,678	6,206	14,495	15,053	6,575	6,828
	3-1	Tire type		Туј		,	Pneur			,		matic	
	3-2	Tire size, front		,			10.00-20) 16PR			10.00-2	20 16PR	
WHEELS	3-3	Tire size, rear					10.00-20					20 16PR	
풀	3-5	Number of tires, front / rear (x driven)		#			x4/					1/2	
>	3-6	Tread width, front	b10	in	mm	72		1,8	42	72		1,8	42
	3-7	Tread width, rear	b ₁₁	in	mm	79	.5	2,0	20	79	.5	2,0)20
	4-1	Mast tilt, forward / back	α/β	Deg	ree		15°F /	12°B			15°F	/ 12°B	
	4-2	Height of mast lowered	h1	in	mm	12	29	3,2	60	12	29	3,2	260
	4-3	Freelift	h2	in	mm	C)	0		()	()
	4-4	Lift height (top of fork)	h3	in	mm	14	17	3,7	50	14	17	3,7	′50
	4-4-1	Lift height (bottom of fork)	h3	in	mm	14	14	3,6	75	14	14	3,6	75
	4-5	Height, extended	h4	in	mm	20	201 5,097			20)1	5,0	97
	4-7	Height to top of operator compartment (open cab)	h6	in	mm	120	0.3	3,0	55	120	0.3	3,0	155
	4-7-1	Height, top of operator comp (closed cab)	h6	in	mm	12	1.3	3,0	82	12	1.3	3,0	182
	4-7-2	Height, top of operator comp (closed cab w/ airco)	h6	in	mm	12	1.3	3,0	82	12	1.3	3,0	82
	4-7-3	Height, top of operator comp (closed cab w/ strobe light)	h6	in	mm	128	5.1	3,1	77	12	5.1	3,1	77
	4-7-4	Height, top of operator comp (closed cab w/ work lights)	h6	in	mm	127	7.2	3,2	31	127	7.2	3,2	31
S	4-7-5	Height, top of operator comp (closed cab w/ airco & strobe)	h6	in	mm	126	6.3	3,2	07	126	3.3	3,2	:07
DIMENSIONS	4-8	Seat height to seat point index (SIP)	h7	in	mm	7.	4	1,8	75	7.	4	1,8	375
ENS	4-12	Tow coupler height	h10	in	mm	2		66	1	2	6	66	31
M	4-19	Overall length	I1	in	mm	21	17	5,5	24	21	17	5,5	24
_	4-20	Length to load face	12	in	mm	16		4,3		16	69	4,3	
	4-21	Overall width of truck	b2	in	mm	9		2,4	٩n				
	4-22	Fork dimension	s/e/l	in	100 100					9			190
	4-23				mm	3/8	/ 48	75 / 200		3 / 8		2,4 75 / 200	
		Fork carriage type		Туј		Sta	andard pin t	ype carriag	/ 1,220 je	3 / 8 Sta	/ 48 andard pin	75 / 200 type carria) / 1,220 ge
	4-24	Carriage width	b3	Ty _l in	nm	Sta 94	andard pin t	ype carriag 2,3	/ 1,220 ge 96	3 / 8 Sta 94	/ 48 andard pin .3	75 / 200 type carria 2,3	0 / 1,220 ge 896
	4-24 4-25-1	Carriage width Fork spread, min (in-in)	b5	Tyl in in	mm mm	Sta 94 2.	andard pin t 1.3 8	ype carriag 2,3 70	/ 1,220 ge 96	3 / 8 Str 94 2.	/ 48 andard pin .3 8	75 / 200 type carria 2,3 7	0 / 1,220 ge 896
	4-24 4-25-1 4-25-2	Carriage width Fork spread, min (in-in) Fork spread, max (out-out)	b5 b5	Tyl in in in	mm mm mm	Sta 94 2. 91	andard pin t 3.3 8 .3	ype carriag 2,3 70 2,3	/ 1,220 ge 96 0	3 / 8 St: 94 2. 91	/ 48 andard pin 3 8 3	75 / 200 type carria 2,3 7 2,3	0 / 1,220 ge 396 0
	4-24 4-25-1 4-25-2 4-30	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift	b5 b5 b8	Tyl in in in in	mm mm mm mm	Sta 94 2. 91	andard pin t 1.3 8 .3	ype carriag 2,3 7(2,3 0	/ 1,220 ge 96 O	3 / 8 Str. 94 2. 91	/ 48 andard pin .3 8 .3	75 / 200 type carria 2,3 7 2,3	0 / 1,220 ge 896 0 820
	4-24 4-25-1 4-25-2 4-30 4-31	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load	b5 b5 b8 m1	in in in in in	mm mm mm mm mm	Sta 94 2. 91 0	andard pin t 1.3 8 .3 .3)	ype carriag 2,3 70 2,3 0 25	/ 1,220 ge 96) 20	3 / 8 St 94 2. 91	/ 48 andard pin .3 8 .3)	75 / 200 type carria 2,3 7 2,3 (0 / 1,220 ge 896 0 820 0
	4-24 4-25-1 4-25-2 4-30 4-31 4-32	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase	b5 b5 b8 m1 m2	Typin in in in in in in in	mm mm mm mm mm mm	94 2. 91 0 10	andard pin 1 .3 .8 .3 .3 .0 .0	ype carriag 2,3 7(2,3 0 25	/ 1,220 ge 96 0 20 3 3	3 / 8 St: 94 2. 91 0	/ 48 andard pin .3 8 .3 .0 .0	75 / 200 type carria 2,3 7 2,3 (2,5 (2,5	0 / 1,220 ge 896 0 820 0 53 13
	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance)	b5 b5 b8 m1 m2 Ast	Typin in i	mm mm mm mm mm mm	Sta 94 2. 91 0 10 12	andard pin 1 .3 .8 .3 .3 .0 .0 .3 .3	2,3 70 2,3 0 2,3 31 4,6	/ 1,220 ge 96 0 20 3 3 59	3 / 8 St. 94 2. 91 (10 12	/ 48 andard pin .3 8 .3) .0 .0 .3	75 / 200 type carria 2,3 7 2,3 (25 31 4,6	0 / 1,220 ge 896 0 820 0 53 13
	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius	b5 b5 b8 m1 m2	Typin in i	mm mm mm mm mm mm	Sta 94 2. 91 0 10 12 18	andard pin 1 8.3 8 .3 0 .0 .0 .3 33 33	2,3 7(2,3 0 25 31 4,6	/ 1,220 ge 96 0 20 3 3 59	3 / 8 St. 94 2. 91 0 10 12 18	/ 48 andard pin .3 8 .3 0 .0 .0 .3 33 33	75 / 200 type carria 2,3 7 2,3 (25 31 4,6 3,8	0 / 1,220 ge 8996 0 320 0 53 13 659
	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F	b5 b5 b8 m1 m2 Ast	Typin in in in in in in in in	mm	Sta 94 2. 91 0 10 12 18	andard pin 1 .3 8 .3) .0 .0 .3 33 52 CUMMINS	2,3 7(2,3 0 25 31 4,6 3,8 QSB 4.5L	/ 1,220 ge 96 0 220 3 3 3 59	3 / 8 St: 94 2. 91 C 10 12 18 15	/ 48 andard pin .3 8 .3 .0 .0 .3 .3 .3 .0 .0 .0 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	75 / 200 type carria 2,3 7 2,3 6 25 31 4,6 3,8 QSB 4.5L	0 / 1,220 ge 8996 0 0 320 0 53 13 659 850
	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F Travel speed, with / without load	b5 b5 b8 m1 m2 Ast	Typin in i	mm mm mm mm mm mm mm mm	Sta 94 2. 91 0 10 12 18 15	andard pin 1 .3 .8 .3 .0 .0 .3 .3 .3 .3 .3 .52 CUMMINS	2,3 70 2,3 0 25 31 4,6 3,8 QSB 4.5L	/1,220 ye 996 0) 220 133 3 559 50	3 / 8 Stt 944	/ 48 andard pin .3 8 .3 .0 .0 .3 .3 .3 .1 .1 .0 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	75 / 2000 type carria 2,3 7 2,3 (25 31 4,6 3,8 6 QSB 4.5L	0 / 1,220 ge 896 00 820 0 53 13 659 850
ICE	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-2-1	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F Travel speed, with / without load Lifting speed, with / without load - 90cc pump	b5 b5 b8 m1 m2 Ast	Typin in i	mm	Sta 94 2. 91 0 10 12 18 15	andard pin 1 .3 .8 .3 .0 .0 .0 .3 .3 .3 .3 .3 .5 .2 .2 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	2,3 7(2,3 0 25 31 4,6 3,8 QSB 4.5L 30 0.45	/ 1,220 je 996) 220 33 3 559 50 31 0.45	3 / 8 St. 944 22. 911 (100 112 118 115 115 89	/ 48 andard pin .3 8 .3 .0 .0 .3 .3 .3 .2 .0 .1 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	75 / 2000 type carria 2,3 7 2,3 (25 31 4,6 3,8 0 SB 4.5L 30 0.45	0 / 1,220 ge 896 00 620 0 53 13 659 850 31 0.45
MANCE	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-2-1 5-2-2	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump	b5 b5 b8 m1 m2 Ast	Typin in ft/min ft/min	mm	State 944 2.91	andard pin 1 .3 .8 .3 .0 .0 .0 .3 .3 .3 .3 .3 .5 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	2,3 7(2,3 0 25 31 4,6 3,8 QSB 4.5L 30 0.45	/ 1,220 ge 96 0 220 3 3 3 559 50 31 0.45 0.67	3 / 8 St. 944 2. 911 (100 112 118 118.5 89 124	/ 48 andard pin .3 8 .3 .0 .0 .0 .3 .3 .3 .0 .1 .0 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	75 / 2000 type carria 2,3,3 7 2,3,3 (25 31 4,6 3,8 30 0,45 0,63	0 / 1,220 ge 896 0 0 320 0 53 13 659 850 31 0.45 0.67
ORMANCE	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-2-1 5-2-2 5-3	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump Lowering speed, with / without load	b5 b5 b8 m1 m2 Ast	Typin in ft/min ft/min ft/min	mm	State 944 2.91	andard pin 1 .3 .8 .3 .0 .0 .0 .3 .3 .3 .3 .5 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	2,3 7(2,3 0 25 31 4,6 3,8 QSB 4.5L 30 0.45 0.63	/ 1,220 ge 96 0 20 3 3 3 59 50 31 0.45 0.67 0.48	3 / 8 St. 944 22. 911 (100 112 118 115 89 1124 1106	/ 48 andard pin .3 8 .3 .0 .0 .0 .3 .3 .3 .0 .1 .0 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	75 / 2000 type carria 2,3,3 7 2,3 (25 31 4,6 3,8 0SB 4.5L 30 0.45 0.63 0.54	0 / 1,220 ge 396 0 0 320 0 53 13 359 350 31 0.45 0.67 0.48
ERFORMANCE	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-2-1 5-2-2 5-3 5-5	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load	b5 b5 b8 m1 m2 Ast	Typin in ft/min ft/min	mm	State 944 2.91	andard pin 1 .3 .8 .3 .0 .0 .0 .3 .3 .3 .3 .5 .2 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	2,3 7(2,3 0 25 31 4,6 3,8 QSB 4.5L 30 0.45 0.63 0.54	/ 1,220 ge 96 0 20 20 3 3 3 559 550 31 0.45 0.67 0.48 102	3 / 8 St. 944 22. 911 (100 122 18 18.5 89 124 106 21,500	/ 48 andard pin .3 8 .3 .0 .0 .0 .3 .3 .3 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	75 / 200 type carria 2,3,3 7 2,3 (25 31 4,6 3,8 0SB 4.5L 30 0.45 0.63 0.54 101	0 / 1,220 ge 896 0 620 0 53 13 659 850 31 0.45 0.67 0.48 102
PERFORMANCE	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-2-1 5-2-2 5-3	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump Lowering speed, with / without load	b5 b5 b8 m1 m2 Ast	Tyl in in in in in in in fun in	mm	State 944 2.91	andard pin 1 .3 .8 .3 .0 .0 .0 .3 .3 .3 .5 .2 .2 .2 .2 .4 .2 .4 .2 .4 .4 .2 .4 .4 .2 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4 .4	2,3 7(2,3 0 25 31 4,6 3,8 QSB 4.5L 30 0.45 0.63	/ 1,220 ge 96 0 20 20 33 3 559 550 31 0.45 0.67 0.48 102 113	3 / 8 St. 944 22. 911 (100 112 118 115 89 1124 1106	/ 48 andard pin .3 8 .3 8 .0 .0 .0 .3 .3 .3 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	75 / 200 type carria 2,3,3 7 2,3,3 (25 31 4,6 3,8 0SB 4.5L 30 0.45 0.63 0.54 101 112	0 / 1,220 ge 396 0 0 320 0 53 13 359 350 31 0.45 0.67 0.48
PERFORMANCE	4-24 4-25-1 4-25-2 4-30 4-31 4-32 4-34 4-35 5-1 5-2-1 5-2-2 5-3 5-5 5-6	Carriage width Fork spread, min (in-in) Fork spread, max (out-out) Sideshift Ground clearance, under mast w/o load Ground clearance, center of wheelbase Minimum aisle width (add load length & clearance) Outside turning radius TIER 4F Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load Drawbar pull - stall, with / without load	b5 b5 b8 m1 m2 Ast	Tyl in in in in in in in fun in	mm	State 944 22. 911 0 100 122 188 18.5 89 124 106 21,600 24,100	andard pin 1 .3 .8 .3 .0 .0 .0 .3 .3 .3 .5 .2 .2 .2 .2 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3	2,3 7(2,3 0 25 31 4,6 3,8 QSB 4.5L 30 0.45 0.63 0.54 101	/ 1,220 ge 996 0 20 20 33 3 559 550 31 0.45 0.67 0.48 102 113 4	3 / 8 St. 944 22. 911 (100 122 18 18.5 89 124 106 21,500 24,000	/ 48 andard pin .3 8 .3 8 .0 .0 .0 .3 8 62 CUMMINS 19.2 89 132 94 22,300 24,800 9	75 / 200 type carria 2,3,3 7 2,3,3 (25 31 4,6 3,8 0SB 4.5L 30 0.45 0.63 0.54 101 112 3	0 / 1,220 ge 396 0 320 0 53 13 359 350 31 0.45 0.67 0.48 102 113

H230XDS | H230XD SPECIFICATIONS

	1-1	Manufacturer			I	l	HYS'	TFR		I	HYS	TER	
	1-2	Model designation					H230				H23		
	1-3	Powertrain / drivetrain					Die				Die		
IA I	1-4	Operator type					Sea	ted			Sea	ited	
GENERAL	1-5	Rated load capacity	Q	lb	kg	23,0	000	10,	433	23,	000	10,4	433
9	1-6	Load center	С	in	mm	2	4	6	10	2	4	61	10
	1-8	Load distance	х	in	mm	31	.9	80	09	31	.9	80)9
	1-9	Wheelbase	у	in	mm	10)6	2,7	'00	11	14	2,9	000
토	2-1	Total truck weight without load		lb	kg	31,6	676	14,	368	30,	766	13,	955
WEIGHT	2-2	Axle loading with load, front / rear		lb	kg	50,080	4,597	22,716	2,085	49,655	4,112	22,523	1,865
3	2-3	Axle loading without load, front / rear		lb	kg	14,996	16,680	6,802	7,566	15,404	15,362	6,987	6,968
	3-1	Tire type		Ту	pe		Pneur	natic			Pneu	matic	
S	3-2	Tire size, front					10.00-2	0 16PR				0 16PR	
WHEELS	3-3	Tire size, rear					10.00-2					0 16PR	
¥	3-5	Number of tires, front / rear (X driven)		#			x4.				x4		
	3-6	Tread width, front	b10	in	mm	72			342		5	1,8	
	3-7	Tread width, rear	b11	in	mm	79		,)20	79		2,0	120
	4-1	Mast tilt, forward / back	α/β	Deg			15°F /				15°F /		
	4-2	Height of mast lowered	h1	in	mm	13			510	13		3,5	
	4-3	Freelift	h2	in	mm	()))
	4-4	Lift height (top of fork)	h3	in	mm	14			750	14		3,7	
	4-4-1 4-5	Lift height (bottom of fork)	h3	in	mm	14			375	14		3,6	
		Height, extended Height to top of operator compartment (open cab)	h4 h6	in in	mm	21 120			847 NE E	12		5,3 3,0	
	4-7 4-7-1	Height, top of operator comp (closed cab)	h6	in	mm	12)55)82		1.3	3,0	
	4-7-1	Height, top of operator comp (closed cab w/ airco)	h6	in	mm	12)82	12		3,0	
	4-7-3	Height, top of operator comp (closed cab w/ airco) Height, top of operator comp (closed cab w/ strobe light)	h6	in	mm	125			177	12		3,1	
	4-7-4	Height, top of operator comp (closed cab w/ strobe light)	h6	in	mm	127		3,2			7.2	3,2	
	4-7-5	Height, top of operator comp (closed cab w/ airco & strobe)	h6	in	mm	120			207		3.3	3,2	
DIMENSIONS	4-8	Seat height to seat point index (SIP)	h7	in	mm	7-			375	7		1,8	
Sign	4-12	Tow coupler height	h10	in	mm	2		66		2		66	
ME	4-19	Overall length	I1	in	mm	21	17	5,5	524	22	25	5,7	'24
	4-20	Length to load face	12	in	mm	16	69	4,3	304	17	77	4,5	
	4-21	Overall width of truck	b2	in	mm	9	8	2,4	190	9	8	2,4	190
	4-22	Fork dimension	s/e/l	in	mm	3/8	/ 48	75 / 200) / 1,220	3/8	/ 48	75 / 200	/ 1,220
	4-23	Fork carriage type		Ty	pe	Sta	andard pin	type carria	ge	St	andard pin	type carria	ge
	4-24	Carriage width	b3	in	mm	94	.3	2,3	396	94	.3	2,3	96
	4-25-1	Fork spread, min (in-in)	b5	in	mm	2.	8	7	0	2	8	7	0
	4-25-2		b5	in	mm	91			320		.3	2,3	
	4-30	Sideshift	b8	in	mm	C)))
	4-31	Ground clearance, under mast w/o load	m1	in	mm	10		25		10			53
	4-32	Ground clearance, center of wheelbase	m2	in	mm	12			13		.3		13
	4-34	Minimum aisle width (add load length & clearance)	Ast	in	mm	18			559	19		4,9	
	4-35	Outside turning radius TIER 4F	Wa	ın	mm	15	CUMMINS	3,8	000	16	62 CHMMINS	4,1 QSB 4.5L	U/
	5-1	Travel speed, with / without load		mph	km/h	18.5	19.2	30	31	18.5	19.2	30 30	31
	5-2-1	Lifting speed, with / without load - 90cc pump		ft/min	m/s	79	79	0.40	0.40	79	79	0.40	0.40
	5-2-2	Lifting speed, with / without load - 111cc pump		ft/min	m/s	98	106	0.50	0.54	98	106	0.50	0.54
	5-3	Lowering speed, with / without load		ft/min	m/s	106	94	0.54	0.48	106	94	0.54	0.48
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		lb	kN	21,300	22,200	100	102	21,400	22,300	100	102
	5-6	Drawbar pull - stall, with / without load		lb	kN	23,800	24,700	111	113	23,800	24,700	111	113
SE	5-7	Gradeability - 1 mph (1.6 km/h), with / without load		9/		4			1	4			3
PERFORMANCE	5-8	Gradeability stall, with load / without load		%		5			1	5	1	3	3
윤		TIER 3									CUMMINS	QSB 6.7L	
FE	5-1	Travel speed, with / without load		mph	km/h	-	-	-	-	18.5	19.2	30	31
	5-2-1	Lifting speed, with / without load - 90cc pump		ft/min	m/s	-	-	-	-	79	79	0.40	0.40
	5-2-2	Lifting speed, with / without load - 111cc pump		ft/min	m/s	-	-	-	-	93	106	0.47	0.54
	5-3	Lowering speed, with / without load		ft/min	m/s	-	-	-	-	106	94	0.54	0.48
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		lb	kN	-	-	-	-	20,200	21,100	95	97
	5-6	Drawbar pull - stall, with / without load		lb o	kN	-	-	-	-	22,500	23,400	105	107
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load		9/		-		-		4			3
	5-8	Gradeability stall, with load / without load		9/	0	-		-		4	U	3	3

H250XD | H280XD SPECIFICATIONS

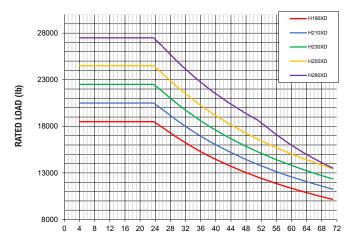
	1-1	Manufacturer	1				HYS	TER		I	HYS	TER	
	1-2	Model designation					H250				H28		
	1-3	Powertrain / drivetrain					Die	sel			Die	sel	
RAI	1-4	Operator type					Sea	ted			Sea	ited	
GENERAL	1-5	Rated load capacity	Q	lb	kg	25,0	000	11,	340	28,	000	12,7	'01
9	1-6	Load center	С	in	mm	24	4	6	10	2	4	61	0
	1-8	Load distance	х	in	mm	31			09	31		80	
	1-9	Wheelbase	у	in	mm	11			900		14	2,9	
눞	2-1	Total truck weight without load		lb	kg	31,9			477		378	15,3	
WEIGHT	2-2	Axle loading with load, front / rear		lb	kg	52,461	4,453	23,796	2,020	56,897	4,982	25,808	2,260
_	2-3 3-1	Axle loading without load, front / rear Tire type		lb Tur	kg	15,232	16,685	6,909	7,568	15,199	18,680	6,894	8,473
	3-1	Tire size, front		Тур			Pneur 10.00-2				10.00-2	matic	
ST	3-3	Tire size, rear					10.00-2					0 16PR	
WHEELS	3-5	Number of tires, front / rear (X driven)		#			x4,				x4		
>	3-6	Tread width, front	b10	in	mm	72			342	72		1,8	42
	3-7	Tread width, rear	b11	in	mm	79	.5	2,0)20	79	.5	2,0	20
	4-1	Mast tilt, forward / back	α/β	Deg	ree		15°F /	12°B			15°F	12°B	
	4-2	Height of mast lowered	h1	in	mm	13	9	3,5	510	1;	39	3,5	10
	4-3	Freelift	h2	in	mm	0)	(C	
	4-4	Lift height (top of fork)	h3	in	mm	14			'50	14		3,7	
	4-4-1 4-5	Lift height (bottom of fork)	h3	in	mm	14			375	14		3,6	
	4-5 4-7	Height, extended Height to top of operator compartment (open cab)	h4 h6	in in	mm	21 120			347)55	12		5,3 3,0	
	4-7-1	Height, top of operator comp (closed cab)	h6	in	mm	121)82	12		3,0	
	4-7-2	Height, top of operator comp (closed cab w/ airco)	h6	in	mm	121)82	12		3,0	
	4-7-3	Height, top of operator comp (closed cab w/ strobe light)	h6	in	mm	125		3,1		12		3,1	
	4-7-4	Height, top of operator comp (closed cab w/ work lights)	h6	in	mm	127	7.2	3,2	231	12	7.2	3,2	31
S	4-7-5	Height, top of operator comp (closed cab w/ airco & strobe)	h6	in	mm	126	3.3	3,2	207	12	6.3	3,2	07
DIMENSIONS	4-8	Seat height to seat point index (SIP)	h7	in	mm	74	4	1,8	375	7	4	1,8	75
ENS	4-12	Tow coupler height	h10	in	mm	20			61		6	66	
	4-19	Overall length	l1	in	mm	22			′24	2:		5,7	
	4-20 4-21	Length to load face	12	in	mm	17		-	504	11		4,5	
	4-21	Overall width of truck Fork dimension	b2 s/e/l	in in	mm mm	3 / 8		75 / 200	190		8 / 48	2,4 75 / 200	
	4-23	Fork carriage type	3/6/1	Тур			ndard pin					type carria	
	4-24	Carriage width	b3	in	mm	94		2,3	-	94		2,3	
	4-25-1	Fork spread, min (in-in)	b5	in	mm	2.		-	0	2		7	
	4-25-2	Fork spread, max (out-out)	b5	in	mm	91	.3	2,3	320	91	.3	2,3	20
	4-30	Sideshift	b8	in	mm	0)	(כ	()	C	
	4-31	Ground clearance, under mast w/o load	m1	in	mm	10			53	10		25	
	4-32	Ground clearance, center of wheelbase	m2	in	mm	12			13	12		31	
	4-34	Minimum aisle width (add load length & clearance)	Ast	in	mm	19			916	19		4,9	
	4-35	Outside turning radius TIER 4F	Wa	l in	mm	16	CUMMINS	4,1	107	10	62 CUMMINS	4,1 QSB 4.5L	07
	5-1	Travel speed, with / without load		mph	km/h	18.5	19.2	30 30	31	18.5	19.2	30 30	31
	5-2-1	Lifting speed, with / without load - 90cc pump		ft/min	m/s	79	79	0.40	0.40	79	79	0.40	0.40
	5-2-2	Lifting speed, with / without load - 111cc pump		ft/min	m/s	98	106	0.50	0.54	98	106	0.50	0.54
											94	0.54	0.48
	5-3	Lowering speed, with / without load		ft/min	m/s	106	94	0.54	0.48	106	34	0.04	
	5-3 5-5			ft/min lb	m/s kN	106 21,300	94 22,300	0.54 100	0.48 102	106 21,100	22,100	100	102
	5-5 5-6	Lowering speed, with / without load											102 113
NCE	5-5 5-6 5-7	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		lb lb	kN kN	21,300 23,800 43	22,300 24,700 3	100 111 3	102 113 2	21,100 23,600 3	22,100 24,600 8	100 111 3	113
RMANCE	5-5 5-6	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 load / without load		lb lb	kN kN	21,300 23,800 4:	22,300 24,700 3	100 111 3	102 113	21,100 23,600 3	22,100 24,600 8	100 111 3:	113
RFORMANCE	5-5 5-6 5-7 5-8	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 load / without load TIER 3		lb lb %	kN kN	21,300 23,800 4:	22,300 24,700 3 9 CUMMINS	100 111 3 QSB 6.7L	102 113 2 2	21,100 23,600 3 4	22,100 24,600 8 3 JMMINS Q	100 111 3: 3: SB 6.7L	113 2 2
PERFORMANCE	5-5 5-6 5-7 5-8 5-1	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 load / without load TIER 3 Travel speed, with / without load		lb lb %	kN kN kn km/h	21,300 23,800 4; 49 18.5	22,300 24,700 3 9 CUMMINS 19.2	100 111 3 3 QSB 6.7L 30	102 113 2 2 2	21,100 23,600 3 4 CI	22,100 24,600 8 3 JMMINS Q 19.2	100 111 33 35 SB 6.7L 30	113 2 2 2 31
PERFORMANCE	5-5 5-6 5-7 5-8 5-1 5-2-1	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 load / without load TIER 3 Travel speed, with / without load Lifting speed, with / without load - 90cc pump		lb lb % % mph ft/min	kN kN km/h m/s	21,300 23,800 4: 48 18.5 79	22,300 24,700 3 9 CUMMINS 19.2 79	100 111 3 3 QSB 6.7L 30 0.40	102 113 2 2 2 31 0.40	21,100 23,600 3 4 C1 18.5 79	22,100 24,600 8 3 JMMINS Q 19.2 79	100 111 3. 35 SB 6.7L 30 0.40	113 2 2 2 31 0.40
PERFORMANCE	5-5 5-6 5-7 5-8 5-1 5-2-1 5-2-2	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 load / without load TIER 3 Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump		Ib Ib % % mph ft/min ft/min	kN kN kM km/h m/s m/s	21,300 23,800 4: 49 18.5 79 93	22,300 24,700 3 9 CUMMINS 19.2 79 106	100 111 3 3 QSB 6.7L 30 0.40 0.47	102 113 2 2 2 31 0.40 0.54	21,100 23,600 3 4 C 18.5 79 93	22,100 24,600 8 3 JMMINS Q 19.2 79 106	100 111 3. 3. SB 6.7L 30 0.40 0.47	113 2 2 2 31 0.40 0.54
PERFORMANCE	5-5 5-6 5-7 5-8 5-1 5-2-1 5-2-2 5-3	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 load / without load TIER 3 Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump Lowering speed, with / without load		mph ft/min ft/min	kN kN km/h m/s	21,300 23,800 4: 4! 18.5 79 93 106	22,300 24,700 3 9 CUMMINS 19.2 79 106 94	100 1111 3 3 QSB 6.7L 30 0.40 0.47 0.54	102 113 2 2 2 31 0.40	21,100 23,600 3 4 CI 18.5 79 93 106	22,100 24,600 8 3 JMMINS Q 19.2 79 106 94	100 1111 3: 3: SB 6.7L 30 0.40 0.47 0.54	113 22 22 31 0.40 0.54 0.48
PERFORMANCE	5-5 5-6 5-7 5-8 5-1 5-2-1 5-2-2	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 load / without load TIER 3 Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump		Ib Ib % % mph ft/min ft/min	kM kN km/h m/s m/s	21,300 23,800 4: 49 18.5 79 93	22,300 24,700 3 9 CUMMINS 19.2 79 106	100 111 3 3 QSB 6.7L 30 0.40 0.47	102 113 2 2 2 31 0.40 0.54 0.48	21,100 23,600 3 4 C 18.5 79 93	22,100 24,600 8 3 JMMINS Q 19.2 79 106	100 111 3. 3. SB 6.7L 30 0.40 0.47	113 2 2 2 31 0.40 0.54
PERFORMANCE	5-5 5-6 5-7 5-8 5-1 5-2-1 5-2-2 5-3 5-5	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 load / without load TIER 3 Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load		mph ft/min ft/min lb	km/h m/s m/s km/h	21,300 23,800 4: 4! 18.5 79 93 106 20,100	22,300 24,700 3 9 CUMMINS 19.2 79 106 94 21,100 23,400	100 1111 3 3 QSB 6.7L 30 0.40 0.47 0.54 95 105	102 113 2 2 2 31 0.40 0.54 0.48 97	21,100 23,600 3 4 CI 18.5 79 93 106 19,900 22,300	22,100 24,600 8 3 JMMINS Q 19.2 79 106 94 21,000	100 1111 33 35 SB 6.7L 30 0.40 0.47 0.54 94	113 2 2 31 0.40 0.54 0.48 97 107
PERFORMANCE	5-5 5-6 5-7 5-8 5-1 5-2-1 5-2-2 5-3 5-5 5-6	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 load / without load TIER 3 Travel speed, with / without load Lifting speed, with / without load - 90cc pump Lifting speed, with / without load - 111cc pump Lowering speed, with / without load Drawbar pull - 1 mph (1.6 km/h), with / without load Drawbar pull - stall, with / without load		mph ft/min ft/min lb lb	kM kN km/h m/s m/s kN kN	21,300 23,800 44 48 18.5 79 93 106 20,100 22,500	22,300 24,700 3 9 CUMMINS 19.2 79 106 94 21,100 23,400	100 111 3 3 QSB 6.7L 30 0.40 0.47 0.54 95 105	102 113 2 2 2 31 0.40 0.54 0.48 97 107	21,100 23,600 3 4 18.5 79 93 106 19,900 22,300	22,100 24,600 8 3 JMMINS Q 19.2 79 106 94 21,000 23,300	100 111 3: 3: SB 6.7L 30 0.40 0.47 0.54 94 105	113 2 2 31 0.40 0.54 0.48 97 107

POWERTRAINS

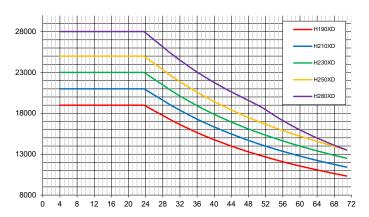
P0	WERTRAII	NS								
AL.	1-1	Manufacturer					HYST	ER		
GENERAL	1-2	Model designation			H190-	280XD(S)	H230-2	280XD	H230	-280XD
95	1-3	Powertrain/drivetrain			D	iesel	Die	sel	D	iesel
	7-1	Engine Manufacturer/model			Cummin	s/QSB 4.5L	Cummins	QSB 6.7L	Cummin	s/QSB 6.7L
	7-1a	EPA Tier Compliance			Tier 4F	/Stage IV	Tier 3/St	age IIIA	Tier 4	'Stage IV
	7-2	Engine power output - rated	hp	kW	160 @2300	119 @2300	156@2300	116@2300	164@2300	122@2300
	7-2-1	Engine power output - peak	hp	kW	164 @2200	122 @2200	156@2300	116@2300	168@2100	125@2100
	7-3	Rated speed	rp	om	2	,300	2,3	00	2	300
	7-3a	Peak speed	rp	om	2	,200	2,3	00	2	100
ENGINE	7-3-1	Engine torque @ rpm (1/min)	lb-ft	N-m	460@1500	624@1500	440@1500	597@1500	540@1500	732@1500
Ξ	7-4	Number of cylinders/displacement	#/in3	#/cm3	4/275	4/4500	6/409	6/6700	6/409	6/6700
	x	Turbocharger	Ту	/pe		geometry, r cooled	Wastegate, v	vater cooled		geometry, cooled
	7-8	Alternator output	An	nps		120	12	20	•	120
	7-9	Electrical system voltage	,	V		24	2	4		24
	7-10	Battery voltage/nominal capacity	V/	'Ah	24	1/102	24/	102	24	/102
	8-0	Drive control/transmission	Ty	/pe	Powershift	transmission	Powershift to	ransmission	Powershift	transmission
	8-1	Type of drive unit	Ty	/pe	Torque	converter	Torque c	onverter	Torque	converter
	8-2	Transmission manufacturer/type	Ту	/pe	ZF/3	WG161	ZF/3W	/G161	ZF/3	WG161
	8-2-1	Transmission speeds forward/reverse	:	#		3/3	3/	3	;	3/3
DRIVE	8-3	Wheel drive/drive axle manufacturer/type	Ty	/pe	Kess	ler/D61	Kessle	r/D61	Kess	ler/D61
	8-4	Service brake	Ty	/ре	Oil immers	sed (wet) disc	Oil immerse	d (wet) disc	Oil immers	ed (wet) disc
	8-5	Parking brake	Ту	/pe		ng apply, on drive axle	Spring dry disc or			g apply, on drive axle
	10-1	Operating pressure for attachments	psi	MPa	3,263	23	3,263	23	3,263	23
	10-2	Oil flow for attachments	gpm	I/m	26.4	100	26.4	100	26.4	100
	10-3	Hydraulic oil tank, capacity	gal	- 1	27	102	32	121	32	121
MISC	10-4	Fuel tank, capacity	gal	- 1	30	114	40	151	40	151
Ξ	10-4-1	DEF tank, capacity	gal	- 1	5	19	N/A	N/A	5	19
	10-5	Steering design	Ту	/pe	Hydraulic p	ower steering	Hydraulic po	wer steering	Hydraulic p	ower steering
	10-6	Number of steering rotation	:	#		5	5	j		5
	10-8	Towing coupling, type DIN	Ту	/pe		Pin	Pi	n		Pin

CAPACITY RATINGS

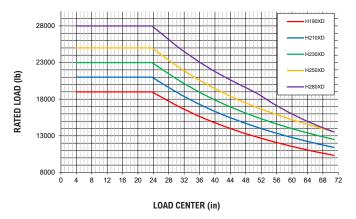
RATED LOAD VS. LOAD CENTER | DF-SS-FP CARRIAGE | U.S. CUSTOMARY



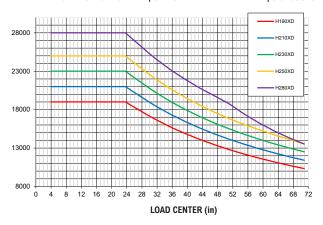
RATED LOAD VS. LOAD CENTER | STD PIN TYPE | U.S. CUSTOMARY



RATED LOAD VS. LOAD CENTER | STD PIN TYPE WITH FP | U.S. CUSTOMARY



RATED LOAD VS. LOAD CENTER | SIDE SHIFT PIN TYPE WITH FP | U.S. CUSTOMARY



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.

All capacities are according to ANSI B56.

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.



Safety: This truck conforms to the current ANSI requirements.

Specification data is based on VDI 2198.

H190-210XD | H230XD/S | H250-280XD CAPACITY SPECIFICATIONS

RAT	ED C	APACIT	Y: H19	90-210>	(D @ 2	24 IN (6	10 MI	M) LOAI	D CEN	TER																
	L	.ift	L	Lift	Ov	erall	Ov	erall	Ma	st max	Mas	t max	Ma	not.	Stand	ard pin	type carı	riage	Apr	on pin ty	/pe carria	age	QI	DFSSF	P carriag	je
		ight OF		eight BOF		rered eight		ended eight		er lap racted)		er lap ended)	wei		H190	XD	H210	DXD	H19	OXD	H210	OXD	H19	OXD	H210	DXD
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
교	127	3,250	124	3,175	120	3,023	181	4,594	98	2,488	35	900	4,140	1,878	19,000	8,618	21,000	9,525	19,000	8,618	21,000	9,525	18,900	8,573	20,900	9,480
SE NFL	137	3,500	134	3,425	124	3,148	191	4,844	103	2,613	35	900	4,242	1,924	19,000	8,618	21,000	9,525	19,000	8,618	21,000	9,525	18,900	8,573	20,800	9,435
₹	147	3,750	144	3,675	129	3,273	201	5,094	108	2,738	35	900	4,387	1,990	19,000	8,618	21,000	9,525	19,000	8,618	21,000	9,525	18,800	8,528	20,800	9,435
5-S	157	4,000	154	3,925	134	3,398	211	5,344	113	2,863	35	900	4,513	2,047	19,000	8,618	21,000	9,525	19,000	8,618	21,000	9,525	18,800	8,528	20,800	9,435
	177	4,500	174	4,425	144	3,648	231	5,844	123	3,113	35	900	4,760	2,159	19,000	8,618	21,000	9,525	19,000	8,618	21,000	9,525	18,700	8,482	20,700	9,389
	187	4,750	184	4,675	149	3,773	240	6,094	127	3,238	35	900	4,956	2,248	19,000	8,618	21,000	9,525	19,000	8,618	21,000	9,525	18,700	8,482	20,600	9,344
	196	5,000	193	4,925	154	3,898	250	6,344	132	3,363	35	900	5,079	2,304	19,000	8,618	21,000	9,525	19,000	8,618	21,000	9,525	18,700	8,482	20,600	9,344
	216	5,500	213	5,425	164	4,148	270	6,844	142	3,613	35	900	5,560	2,522	18,600	8,437	20,600	9,344	18,600	8,437	20,600	9,344	18,300	8,301	20,200	9,163

Capacities are calculated using 48" x 3" x 8" forks

	Lift		Lift		Ove	erall	Ov	erall	Mas	t max	Ma	st max	M:	ast	Stan	dard pin	type carı	riage	Apr	on pin ty	/pe carri	age	QI	D DFSSF	P carria	ge
	neight TOF	'	neight BOF	Т	lowe hei	ered ight		ended eight		er lap acted)		er lap ended)	wei	ight	H230	XDS	H23	0XD	H230	XDS	H23	0XD	H230	XDS	H23	30XD
in	mr	n in	mn	ı i	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
10	3 2,75	50 10	2,67	5 1	19	3,007	172	4,344	98	2,488	45	1,150	4,209	1,909	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,900	10,387	22,900	10,387
11	3,00	00 11	5 2,92	5 1	24	3,132	181	4,594	103	2,613	45	1,150	4,339	1,968	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,900	10,387	22,900	10,387
12	7 3,25	50 124	3,17	5 1:	29	3,257	191	4,844	108	2,738	45	1,150	4,464	2,025	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,900	10,387	22,900	10,387
13	7 3,50	00 134	1 3,42	5 1	34	3,382	201	5,094	113	2,863	45	1,150	4,597	2,085	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,800	10,342	22,800	10,342
14	7 3,75	50 14	1 3,67	5 1	39	3,507	211	5,344	118	2,988	45	1,150	4,727	2,144	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,800	10,342	22,800	10,342
15	7 4,00	00 154	1 3,92	5 1	43	3,632	221	5,594	123	3,113	45	1,150	4,850	2,200	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,700	10,297	22,700	10,297
17	7 4,50	00 174	4,42	5 1	53	3,882	240	6,094	132	3,363	45	1,150	5,179	2,349	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,700	10,297	22,700	10,297
18	7 4,75	50 184	4,67	5 1	58	4,007	250	6,344	137	3,488	45	1,150	5,309	2,408	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,600	10,251	22,600	10,25
19	5,00	00 193	3 4,92	5 10	63	4,132	260	6,594	142	3,613	45	1,150	5,670	2,572	23,000	10,433	23,000	10,433	23,000	10,433	23,000	10,433	22,600	10,251	22,600	10,25
21	5,50	00 213	5,42	5 1	73	4,382	280	7,094	152	3,863	45	1,150	5,926	2,688	22,600	10,251	22,600	10,251	22,600	10,251	22,600	10,251	22,200	10,070	22,200	10,070
23	6,00	00 233	5,92	5 18	83	4,632	299	7,594	162	4,113	45	1,150	6,184	2,805	22,300	10,115	22,200	10,070	22,300	10,115	22,200	10,070	21,100	9,571	21,700	9,843
24	6,25	50 243	6,17	5 18	88	4,757	309	7,844	167	4,238	45	1,150	6,314	2,864	22,100	10,024	22,000	9,979	22,100	10,024	22,000	9,979	18,900	8,573	20,100	9,117
25	6,50	00 252	6,42	5 19	93	4,882	319	8,094	173	4,393	45	1,150	6,444	2,923	21,900	9,934	21,800	9,888	21,900	9,934	21,800	9,888	16,800	7,620	18,200	8,255
27	7,00	00 27	2 6,92	5 2	03	5,132	339	8,594	182	4,613	45	1,150	6,700	3,039	21,400	9,707	21,400	9,707	21,400	9,707	21,300	9,662	13,200	5,987	14,700	6.668

Capacities are calculated using 48" x 3" x 8" forks

RATED CAPACITY: H250-280XD @ 24 IN (610 MM) LOAD CENTER																										
П		ift		.ift	Ov	erall	Ov	erall	Mas	t max	Mas	st max	M	ast	Stand	dard pin	type car	rriage	Apr	on pin ty	/pe carri	age	Q	D DFSSF	P carria	ge
		ight OF		ight OF	-	ered ight		ended eight		er lap acted)		er lap ended)	Wei	ight	H25	0XD	H28	0XD	H25	0XD	H28	0XD	H25	0XD	H28	0XD
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	108	2,750	105	2,675	119	3,007	172	4,344	98	2,488	45	1,150	4,209	1,909	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
1	118	3,000	115	2,925	124	3,132	181	4,594	103	2,613	45	1,150	4,339	1,968	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
•	127	3,250	124	3,175	129	3,257	191	4,844	108	2,738	45	1,150	4,464	2,025	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
로	137	3,500	134	3,425	134	3,382	201	5,094	113	2,863	45	1,150	4,597	2,085	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
	147	3,750	144	3,675	139	3,507	211	5,344	118	2,988	45	1,150	4,727	2,144	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
-STAG	157	4,000	154	3,925	143	3,632	221	5,594	123	3,113	45	1,150	4,850	2,200	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
ان ا	177	4,500	174	4,425	153	3,882	240	6,094	132	3,363	45	1,150	5,179	2,349	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
7	187	4,750	184	4,675	158	4,007	250	6,344	137	3,488	45	1,150	5,309	2,408	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
	196	5,000	193	4,925	163	4,132	260	6,594	142	3,613	45	1,150	5,670	2,572	25,000	11,340	28,000	12,701	25,000	11,340	28,000	12,701	24,500	11,113	27,500	12,474
	216	5,500	213	5,425	173	4,382	280	7,094	152	3,863	45	1,150	5,926	2,688	24,600	11,158	27,600	12,519	24,600	11,158	27,500	12,474	24,100	10,932	27,000	12,247
1	236	6,000	233	5,925	183	4,632	299	7,594	162	4,113	45	1,150	6,184	2,805	24,200	10,977	27,200	12,338	24,100	10,932	27,100	12,292	22,400	10,160	22,300	10,115
	246	6,250	243	6,175	188	4,757	309	7,844	167	4,238	45	1,150	6,314	2,864	24,000	10,886	27,000	12,247	23,900	10,841	26,800	12,156	22,100	10,024	19,900	9,026
:	255	6,500	252	6,425	193	4,882	319	8,094	173	4,393	45	1,150	6,444	2,923	23,800	10,795	26,700	12,111	23,600	10,705	26,660	12,093	18,100	8,210	17,700	8,029
	275	7,000	272	6,925	203	5,132	339	8,594	182	4,613	45	1,150	6,700	3,039	23,300	10,569	26,200	11,884	23,100	10,478	26,000	11,793	14,400	6,532	14,000	6,350

Capacities are calculated using 48" x 3" x 8" forks

FEATURES AND OPTIONS

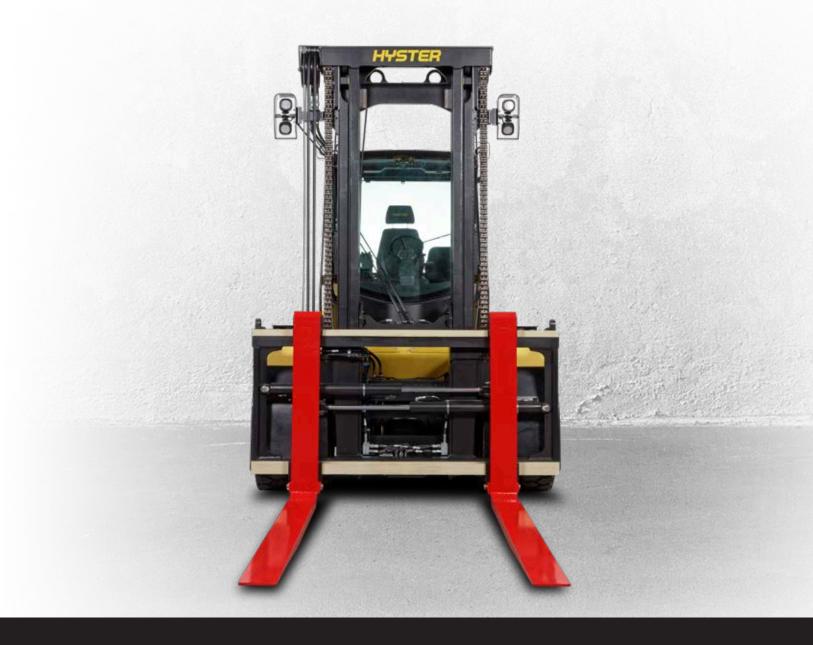
PERFORMANCE	STD	OPT
Cummins QSB 4.5L Tier 4F diesel engine 160 hp (119 kW)*	Х	
Cummins QSB 6.7L Tier 4F diesel engine 164 hp (122 kW)*		х
Cummins QSB 6.7L Tier 3 diesel engine 156 hp (116 kW)*	Х	
Tier 4/Stage IV compliant	Х	
Tier 3/Stage IIIA compliant	Х	
Wastegate turbocharger, water cooled - Tier 3/Stage IIIA	Х	
Variable geometry turbocharger, water cooled - Tier 4	Х	
Delayed engine shutdown for turbo cool down		х
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	
Heavy duty air intake (raised)		х
Low mount exhaust (below chassis)	х	
High mount exhaust		Х
ZF Transmission WG161 3-speeds fwd/3-speeds reverse auto-shifting	х	
Kessler D61 drive axle with wet disc brakes	X	
DRIVE	STD	OPT
Travel speed limiter - unconditional and customer adjustable	עונ	
		X
Travel speed limiter - loaded (adjustable)	V	Х
10.00 - 20 16PR pneumatic bias ply drive and steer tires 10.00 - R20 Michelin® XZM® radial drive and steer tires	Х	, , ,
		X
10.00 - R20 Trelleborg radial drive and steer tires		X
10.00 - 20 pneumatic shaped solid drive and steer tires		
LIET	STD	Х
	STD	
90cc dual pump hydraulic system	STD X	ОРТ
90cc dual pump hydraulic system 111cc dual pump hydraulic system	х	
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system	x	ОРТ
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching)	x x x	ОРТ
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces	X X X	ОРТ
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast	x x x	х
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast	X X X	OPT X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast	X X X	X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast Mast tilt - 5° forward/6° back	X X X	X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back	X X X	X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back	x x x x	X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/12° back	X X X	X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/12° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back	x x x x	X X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical	x x x x	X X X X X X X X X X X X X X X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical Hydraulic accumulator	x x x x	X X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering	x x x x	X X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance derate	x	X X X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance derate HANDLING	x	X X X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance derate HANDLING 94.3" (2396 mm) pin type carriage with mechanical fork locks 94.3" (2396 mm) pin type carriage with simultaneous and	x	X X X X X X OPT
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/10° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/10° back Mast tilt - 15° forward/10° back Mast tilt - 20.5° forward/12° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance derate HANDLING 94.3" (2396 mm) pin type carriage with mechanical fork locks 94.3" (2396 mm) pin type carriage with simultaneous and independent fork positioner	x	X X X X X X X X X X X X X X X X X X X
90cc dual pump hydraulic system 111cc dual pump hydraulic system On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast 3-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/12° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance derate HANDLING 94.3" (2396 mm) pin type carriage with simultaneous and independent fork positioner 94.3" (2396 mm) pin type carriage with simultaneous and independent fork positioner (for lumber applications)	x	X X X X X X X X X X X X X X X X X X X
On-demand load sensing hydraulic system Automatic throttle-up when lifting (in neutral or inching) Variable lap mast for low roller forces 2-stage non free lift mast 2-stage full free lift mast Mast tilt - 5° forward/6° back Mast tilt - 5° forward/12° back Mast tilt - 15° forward/12° back Mast tilt - 15° forward/12° back Mast tilt - 15° forward/12° back Mast tilt - 20.5° forward/7° back Mast tilt indicator - mechanical Hydraulic accumulator Pressure compensated lowering Hydraulic system temperature protection with performance derate HANDLING 94.3" (2396 mm) pin type carriage with mechanical fork locks	x	X X X X X X X X X X X X X X X X X X X

HANDLING (CONTINUED)	STD	OPT
94.3" (2396 mm) pin type apron-style sideshift carriage with	310	OI I
simultaneous and independent fork positioner		Х
94.3" (2396 mm) pin type apron-style sideshift carriage with simultaneous and independent fork positioner (for lumber applications)		х
94.4" (2398 mm) QD hook type dual function sideshift carriage with simultaneous and independent fork positioner		х
94.4" (2398 mm) QD hook type dual function sideshift carriage with simultaneous fork positioner and 2 auxiliary functions		х
69" (1760 mm) high load backrest		Х
79" (2010 mm) high load backrest		Х
98" (2500 mm) high load stabilizer (for lumber applications)		Х
48" long x 3" thick x 8" wide (1220 mm x 75 mm x 200 mm) forks	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 operator compartment (without doors & screens)	Х	
Enclosed operator cabin		Х
Manual tilt operator compartment for service	х	
Powered tilt operator compartment for service		Х
Isolated cabin mounting for low noise and vibration	х	
Operator presence system	Х	
Mechanical suspension seat	Х	
Air suspension seat	,	Х
Deluxe air suspension seat		Х
Low backrest seat	х	^
High backrest seat	Α	Х
Armrest on left side	х	^
Cloth seat cover		Х
Vinyl seat cover	х	^
Seat heating		Х
Seat ventilation		X
2-point high visibility seatbelt	х	
Lateral seat sliding mechanism		Х
Floor mat	х	
Coat hook	Х	
Front, top and rear wipers		Х
"H"-pattern front wiper (enclosed operator cabin)		Х
"I"-pattern front wiper (enclosed operator cabin)		Х
Laminated glass operator compartment front window		Х
Tinted operator compartment windows (doors, rear and top window)		х
Tinted operator compartment top window		Х
Lexan top window		Х
Plexiglass shield in front of front window		Х
Wire mesh installed on top of operator compartment		Х
Vertical steel bar front window guard		Х
Operator shield wire mesh		Х
7" Integrated performance display	Х	
Touchpoint™ mini-levers hydraulic control integrated in control arm	х	
Joystick hydraulic control integrated in control arm		Х

FEATURES AND OPTIONS

ERGONOMICS (CONTINUED)	STD	OPT
Steering wheel without spinner knob	Х	
Steering wheel with spinner knob		х
Directional control lever on steering column	Х	
Hyster MONOTROL® pedal directional control		х
Directional control on mini-levers or joystick		X
Park brake - push button applied	х	X
Park brake - automatically applied	**	х
Heater with adjustable speed fan (enclosed operator cabin)	х	
Telescoping & tilting steering column	Х	
USB outlet inside armrest	х	
24-12 volt DC converter with 1 socket and 2 USB outlets	X	
24-12 volt DC converter with 2 sockets and 2 USB outlets		х
Air conditioning		Х
Automatic climate control		Х
Reading light		Х
Sun shades on top and rear		х
Sun visors front window		х
Trainer seat		Х
Recirculation fan		Х
Additional recirculation fan		х
Accessory mounting bracket on cab front right pillar		Х
Document holder on cab front right pillar		Х
Heated top- and/or rear window		Х
Radio preparation set-up (wiring, two speakers and antenna)		х
VISIBILITY	STD	OPT
Steel bars on top of cab (open operator compartment)	х	
Steel bars on top of cab (open operator compartment) Top window with armored glass (enclosed operator cabin)	X X	
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window		
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin)		х
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors		
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails	Х	
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system	Х	х
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system	Х	x
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights	Х	X X X
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights	Х	X X X
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders	Х	x x x x
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders Four mast mounted work lights	Х	x x x x x
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders Four mast mounted work lights Four cabin mounted work lights	Х	x
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders Four mast mounted work lights Four cabin mounted work lights Two rearward work lights mounted on the cabin	x	x x x x x x
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders Four mast mounted work lights Four cabin mounted work lights Two rearward work lights mounted on the cabin LED stop/tail/brake lights	Х	x x x x x x x x x x x x x x x x x x x
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders Four mast mounted work lights Four cabin mounted work lights Two rearward work lights mounted on the cabin LED stop/tail/brake lights Turn signals, hazard & marker lights (LED)	x	x x x x x x x x
Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders Four mast mounted work lights Four cabin mounted work lights Two rearward work lights mounted on the cabin LED stop/tail/brake lights Turn signals, hazard & marker lights (LED) OPERATION	x	x x x x x x x x x x r x r
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Top window with armored glass (enclosed operator cabin) Steel bars under armored glass top window (enclosed operator cabin) Interior wide angle mirrors Exterior mirrors mounted to handrails Rear view camera system Radar object detection system Halogen work lights High Performance LED work lights Two head lights mounted on front fenders Four mast mounted work lights Four cabin mounted work lights Two rearward work lights mounted on the cabin LED stop/tail/brake lights Turn signals, hazard & marker lights (LED) OPERATION Air horn 112 dBA Electric horn 105 dBA Visible alarm – Amber strobe light, ignition activated Audible alarm – reverse direction white noise	X X STD	x x x x x x x x x x x x x
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OPERATION (CONTINUED)	STD	OPT
Automatic engine shutdown with timer	טוט	Х
5		
Lockable battery disconnect switch		X
Battery jump start connector (NATO plug) Truck start with less quitch and start button	.,	Х
Truck start with key switch and start button	X	
Operator password (display) for truck start	Х	
Seatbelt interlock for truck start		Х
Power distribution group with fuses	Х	
Fuses below 30 amps replaced by electric circuit breakers		Х
Non-lockable fuel cap	Х	
Lockable fuel cap		Х
Fuel strainer in fuel filler neck		Х
Hyster Tracker™ wireless asset management system	Х	
Hyster Tracker™ wireless asset management - access/verification		Х
Hyster Tracker™ wireless asset management - monitoring		Х
Auto greasing system for base truck		Х
24-volt electrical system	Х	
Engine block heater 110 or 240 volt		Х
Steer wheel lug nut protection		Х
Front mud flaps		Х
Rear mud flaps		Х
Front and rear mud guards		Х
Lifting eyes - 2 front and 2 rear		х
APPEARANCE	STD	OPT
Second capacity plate		Х
Hyster yellow paint base truck	Х	
Special paint base truck		Х
Operator compartment special paint (complete cab)		Х
Hazard warning striping on counterweight		Х
SUPPLEMENTAL	STD	OPT
Literature package	Х	
Operator's manual	Х	
CE certification		Х
U.L. label - standard construction	х	
Warranty: 12 months /2,000 hours parts & labor manufacturer's warranty*	х	
Warranty: 12 months/2,000 hours parts manufacturer's warranty*	Х	





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