

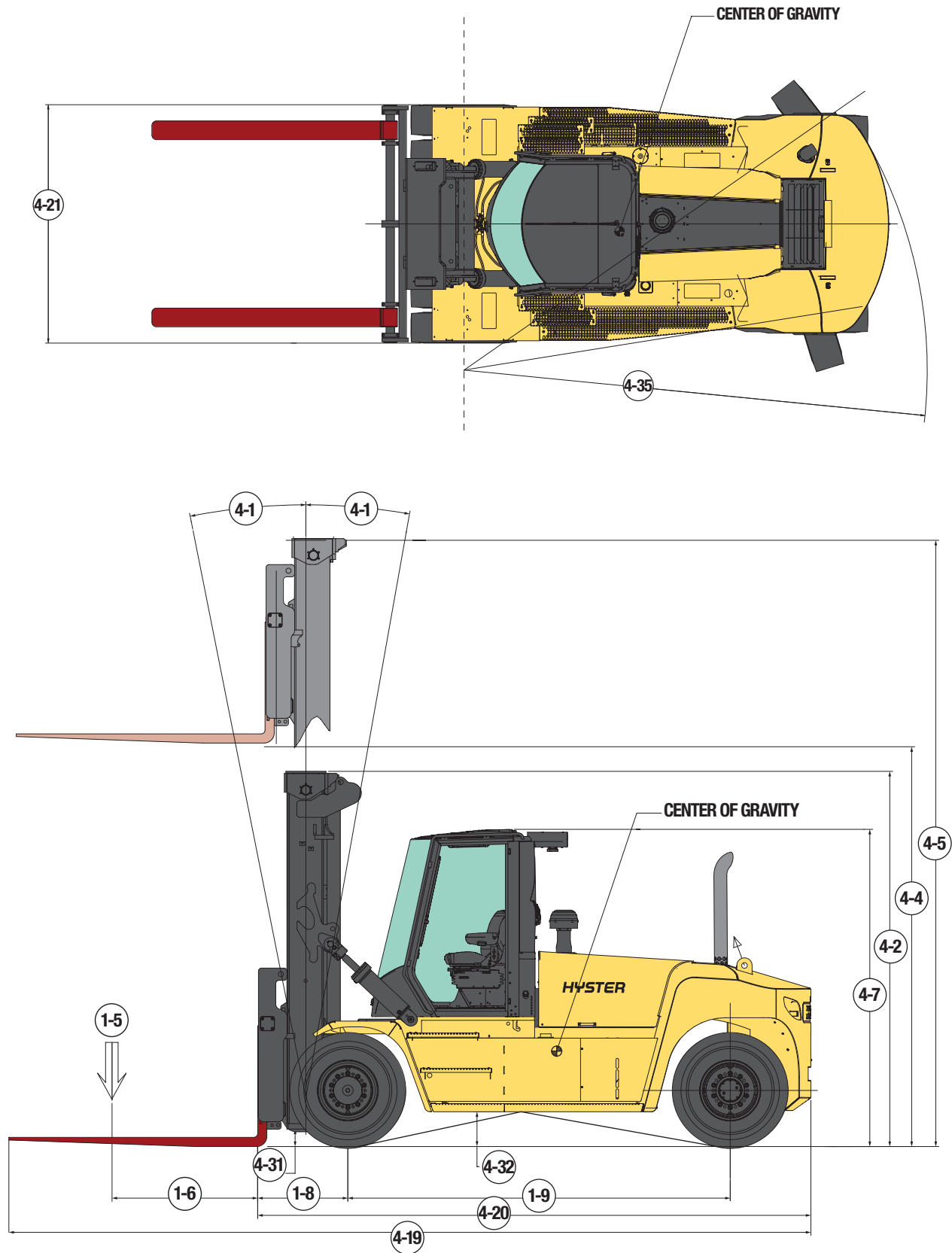


**STRONG PARTNERS.
TOUGH TRUCKS.™**

H360XD36, H360XD48 SERIES TECHNICAL GUIDE

WWW.HYSTER.COM

> DIMENSIONS



● = Center of gravity of unladen truck

H360XD36, H360XD48 SPECIFICATIONS



GENERAL	1-1	Manufacturer		HYSTER									
	1-2	Model designation		H360XD36				H360XD48					
	1-3	Powertrain / drivetrain		Diesel				Diesel					
	1-4	Operator type		Seated				Seated					
	1-5	Rated load capacity	lbs.	kg	36,000		16,330		36,000		16,329		
	1-6	Load center	in	mm	36		914		48		1,219		
	1-8	Load distance	in	mm	34.9		887		34.9		887		
	1-9	Wheelbase	in	mm	148		3,750		148		3,750		
WEIGHTS	2-1	Total truck weight without load		lbs.	kg	47,227		21,422		50,534		22,922	
	2-2	Axle loading with load, front / rear		lbs.	kg	77,111	34,977	6,117	2,774	79,904	36,244	6,631	3,008
	2-3	Axle loading without load, front / rear		lbs.	kg	23,817	10,803	23,410	10,619	23,684	10,743	26,850	12,179
WHEELS	3-1	Tire type		Type		Pneumatic				Pneumatic			
	3-2	Tire size	front			12.00-20 20PR Bias				12.00-20 20PR Bias			
	3-3		rear			12.00-20 20PR Bias				12.00-20 20PR Bias			
	3-5	Number of tires, front / rear (X driven)				x4 /2				x4 /2			
	3-6	Tread, front	in	mm	87.3		2,218		87.3		2,218		
	3-7	Tread, rear	in	mm	78.5		1,994		78.5		1,994		
DIMENSIONS	4-1	Mast tilt, forward / back		degree °		15°F / 10°B				15°F / 10°B			
	4-2	Height of mast lowered		in	mm	145		3,680		145		3,680	
	4-3	Freelift (Top of Fork)		in	mm	0		0		0		0	
	4-4	Lift height (Top of Fork)		in	mm	156		3,984		156		3,984	
	4-5	Height extended		in	mm	222		5,622		222		5,622	
	4-7	Height to top of operator compartment (open cab)		in	mm	121.4		3,083		121.4		3,083	
	4-7-1	Height, top of operator comp (closed cab)		in	mm	122.4		3,110		122.4		3,110	
	4-7-2	Height, top of operator comp (closed cab w/ airco)		in	mm	122.4		3,110		122.4		3,110	
	4-7-3	Height, top of operator comp (closed cab w/ strobe light)		in	mm	126.2		3,205		126.2		3,205	
	4-7-4	Height, top of operator comp (closed cab w/ work lights)		in	mm	128.3		3,259		128.3		3,259	
	4-7-5	Height, top of operator comp (closed cab w/ airco & strobe)		in	mm	127.4		3,235		127.4		3,235	
	4-8	Seat height to seat point index		in	mm	74.9		1,903		74.9		1,903	
	4-19	Overall length		in	mm	310		7,866		310		7,866	
	4-20	Length to load face		in	mm	214		5,428		214		5,428	
	4-21	Overall width over drive tires		in	mm	100		2,542		100		2,542	
	4-22	Fork dimensions		in	mm	3.9 / 7.9 / 96		100 / 200 / 2,440		3.9 / 7.9 / 96		100 / 200 / 2,440	
	4-23	Fork carriage type		Type		Standard pin type carriage				Standard pin type carriage			
	4-24	Carriage width		in	mm	100		2,540		100		2,540	
	4-25-1	Fork spread, min (in-in)		in	mm	2.8		70		2.8		70	
	4-25-2	Fork spread, max (out-out)		in	mm	96.1		2,440		96.1		2,440	
	4-31	Ground clearance, under mast with load		in	mm	7		187		7		187	
	4-32	Ground clearance, center of wheelbase		in	mm	13		341		13		341	
	4-34	Minimum aisle width (add load length)		in	mm	240		6,087		240		6,087	
	4-35	Outside turning radius		in	mm	205		5,200		205		5,200	
PERFORMANCE	PERFORMANCE			WITH TIER 4 FINAL CUMMINS QSB 6.7L ENGINE									
	5-1	Travel speed, with / without load		mph	km/h	17	27	18	29	17	27	18	29
	5-2	Lifting speed, with / without load		ft/min	m/s	77	0.39	87	0.44	77	0.39	87	0.44
	5-3	Lowering speed, with / without load		ft/min	m/s	106	0.54	89	0.45	106	0.54	89	0.45
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		lbs.	kN	22,100	106	23,500	109	22,000	106	23,400	109
	5-6	Drawbar pull - stall, with / without load		lbs.	kN	25,300	120	26,700	123	25,100	120	26,500	123
	5-7	Gradeability 1 mph (1.6 km/h), with load / without load		%		30		35		29		33	
	5-8	Gradeability stall, with load / without load		%		34		35		33		33	
	PERFORMANCE			WITH TIER 3 CUMMINS QSB 6.7L ENGINE									
	5-1	Travel speed, with / without load		mph	km/h	17	27	18	29	17	27	18	29
	5-2	Lifting speed, with / without load		ft/min	m/s	67	0.34	87	0.44	67	0.34	87	0.44
	5-3	Lowering speed, with / without load		ft/min	m/s	106	0.54	89	0.45	106	0.54	89	0.45
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load		lbs.	kN	20,000	97	21,400	100	19,900	97	21,300	100
	5-6	Drawbar pull - stall, with / without load		lbs.	kN	23,100	111	24,500	113	23,000	110	24,300	113
	5-7	Gradeability 1 mph (1.6 km/h), with load / without load		%		27		35		26		33	
	5-8	Gradeability stall, with load / without load		%		31		35		30		33	

> POWERTRAINS

GENERAL	1-1	Manufacturer	HYSTER					
	1-2	Model designation	H360XD36, H360XD48					
	1-3	Power type	Diesel					

ENGINE	7-1	Engine Manufacturer / model		Cummins / QSB 6.7L				Cummins / QSB 6.7L				
		EPA Tier Compliance		Tier 4 Final				Tier 3				
	7-2	Engine power output - Rated	hp	kW	164	@ 2300	122	@ 2300	155	@ 2300	116	@ 2300
	7-2-1	Engine power output - Peak	hp	kW	168	@ 2300	125	@ 2300	155	@ 2300	116	@ 2300
	7-3	Governed speed	rpm		2,300				2,300			
	7-3-1	Engine torque @ rpm (1/min)	540 @ 1,500				732 @ 1,500		440 @ 1,500		597 @ 1,500	
	7-4	Number of cylinders / displacement	# / in3	# / cm3	6 / 409		6 / 6,700		6 / 409		6 / 6,700	
		Turbocharger	Type		Variable geometry, water cooled				Wastegate, water cooled			
	7-8	Alternator output	Amps		120				120			
	7-9	Electrical system voltage	V		24				24			
7-10	Battery voltage, rated capacity	V / Ah		24 / 102				24 / 102				

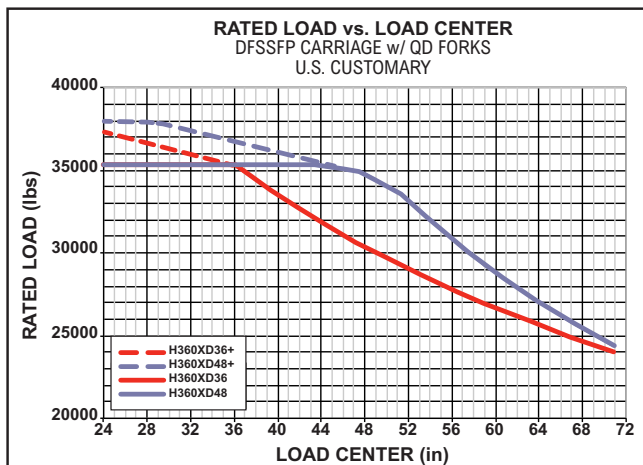
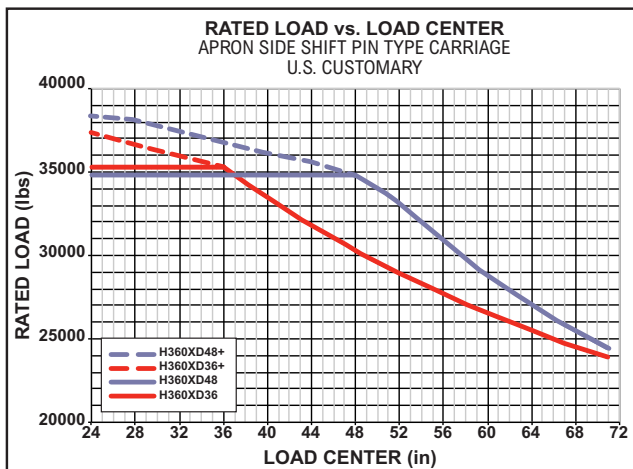
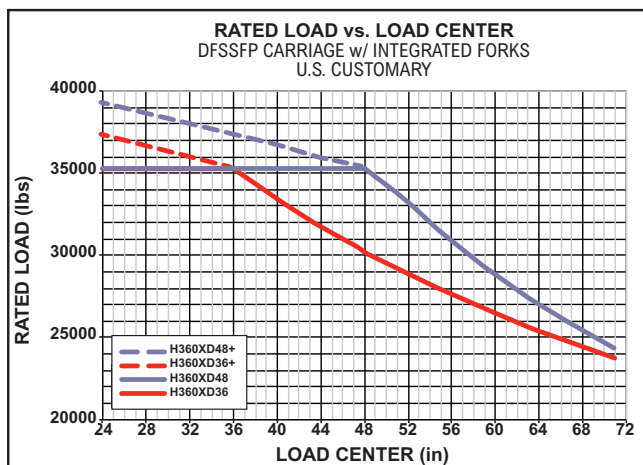
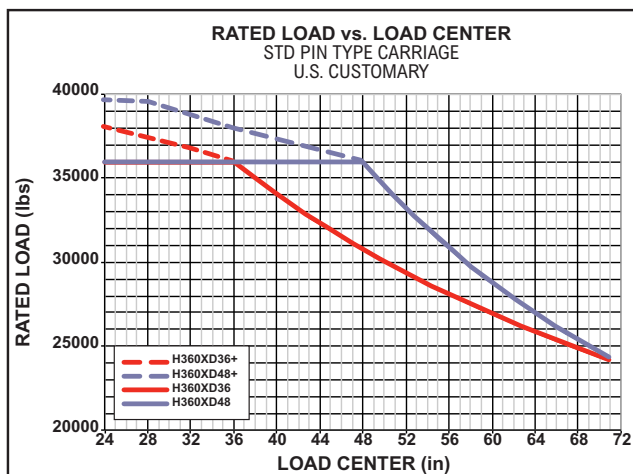
DRIVE	8-1	Drive control / Transmission	Type	Powershift Transmission					
	8-2	Transmission manufacturer / model	Type	ZF / WG161					
	8-4	Transmission speed forward / backward	#	3 / 3					
	8-5	Coupling	Type	Torque Converter					
	8-6	Wheel drive / drive axle manufacturer / type	Type	Kessler / D81		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

MISC	10-1	Operating pressure for attachments	psi	MPa	2,828	19.5	2,828	19.5
	10-2	Oil volume for attachments	gpm	l/m	26	100	26	100
	10-3	Hydraulic tank capacity	gal	l	37	140	37	140
	10-4	Fuel tank capacity	gal	l	54	206	54	206
	10-4-1	DEF tank capacity	gal	l	5	19	N/A	N/A
	10-5	Steering Design	Type		Hydraulic power steering		Hydraulic power steering	
	10-6	Number of steering rotation	#		5.4		5.4	

> MAST AND CAPACITY INFORMATION

2 STAGE NFL	4.4 Lift Height (Top of Fork)		4.2 Mast Lowered Height		4.3 Freelif (Top of Fork)		4.5 Overall Extended Height	
	in	mm	in	mm	in	mm	in	mm
	156	3984	145	3680	0	0	222	5622
	180	4594	157	3984	0	0	246	6232
	212	5406	173	4390	0	0	278	7044
	244	6219	189	4797	0	0	310	7858

CERTIFICATION: These Hyster® lift trucks meet design specifications of Part II ANSI B56.1-1969, as required by OSHA Section 1910.178(a)(2) and also comply with Part III ANSI 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.



Model H360XD36: 36,000 lbs. at 36" (16,329 kg at 914 mm) load center
Model H360XD48: 36,000 lbs. at 48" (16,329 kg at 1220 mm) load center

Conversion Factor: 1.0" = 25.4 mm 1 lb = 0.45 kg

NOTE: Higher capacity rated versions up to 40,000 lbs. at shorter load centers are available upon request on a custom basis. Please contact Hyster Company for details & SPED Quote.

Rated capacities are for trucks equipped with:

- 2-Stage mast to 156" (3984 mm) maximum fork height
- 100" (2540 mm) carriage width
- 96" (2440 mm) long forks

Contact your dealer for other capacity information.

> FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
Cummins QSB 6.7L tier 4F diesel engine 164 hp (122 kW)*	x	
Cummins QSB 6.7L tier 3 diesel engine 155 hp (116 kW)	x	
Tier 4 / Stage IV compliant	x	
Tier 3 / Stage IIIA compliant	x	
Wastegate turbocharger, water cooled*	x	
Variable geometry turbocharger, water cooled*	x	
On-demand cooling fan	x	
120 amp alternator	x	
Performance modes	x	
Powertrain protection system	x	
Heavy duty air intake	x	
Heavy duty air intake (raised)		x
Low mount exhaust**	x	
High mount exhaust***	x	
ZF Transmission WG161 3-speeds fwd / 3-speeds reverse auto-shifting	x	
Kessler D81 drive axle with wet disc brakes	x	
DRIVE	STD	OPT
Speed limiter - unconditional and customer adjustable		x
Travel speed limiter - loaded (adjustable)		x
12.00 - 20 20PR Trelleborg pneumatic bias ply drive and steer tires	x	
12.00 - R20 Michelin XZM radial drive and steer tires		x
LIFT	STD	OPT
120cc dual pump hydraulic system	x	
On-demand load sensing hydraulic system	x	
Automatic throttle-up when lifting (in neutral or inching)	x	
2 Stage non free lift mast	x	
2 Stage full free lift mast		x
3 Stage full free lift mast		x
Mast tilt - 6° forward / 10° back		x
Mast tilt - 10,5° forward / 12° back		x
Mast tilt - 15° forward / 10° back	x	
Hydraulic accumulator		x
Pressure compensated lowering		x
Hydraulic system temperature protection with performance de-rate		x
HANDLING	STD	OPT
Mast tilt indicator - mechanical		x
100" (2540mm) Pin type carriage with mechanical fork locks	x	
100" (2540mm) Pin type carriage with individual fork positioner		x
100" (2540mm) Pin type apron-style sideshift carriage		x
100" (2540mm) Dual function sideshift carriage with individual fork positioner with integral forks		x
100" (2540mm) Dual function sideshift carriage with individual fork positioner with quick disconnect forks		x
100" (2540mm) Pin type apron-style sideshift carriage with individual fork positioner		x
96" (2440mm) length pin type forks	x	

96" (2440mm) length hook type forks		x
96" (2440mm) length integral forks		x
ERGONOMICS	STD	OPT
Open operator compartment (without doors & screens)	x	
Enclosed operator cabin		x
Powered tilt operator compartment for service		x
Manual tilt operator compartment for service	x	
Isolated cabin mounting for low noise and vibration	x	
Operator presence system	x	
Mechanical suspension seat	x	
Air suspension seat		x
Deluxe air suspension seat		x
Low backrest seat	x	
High backrest seat		x
Additional armrest on left side	x	
Cloth seat cover		x
Vinyl seat cover	x	
Seat heating		x
Seat ventilation		x
2-point high visibility seatbelt	x	
3-point high visibility seatbelt		x
Lateral seat sliding mechanism		x
Floor mat	x	
Coat hook	x	
Front, top and rear wipers		x
"H"-pattern front wiper		x
"I"-pattern front wiper		x
Laminated glass operator compartment front window		x
Tinted operator compartment windows (all)		x
Tinted operator compartment top window		x
Rain top		x
Plexiglass shield in front of front window		x
Wire mesh installed on top of operator compartment		x
Vertical steel bar front window guard		x
Operator shield wire mesh		x
7" integrated performance display	x	
Touchpoint™ mini levers hydraulic control integrated in control arm	x	
Joystick hydraulic control integrated in control arm		x
Steering wheel without spinner knob	x	
Steering wheel with spinner knob		x
Directional control lever	x	
Hyster Monotrol pedal directional control		x
Directional control on mini-levers or joystick		x
Park brake - manual	x	

**Standard for Tier 4 - Optional for Tier 3

***Standard for Tier 3 - Optional for Tier 4

Interior wide angle mirrors	x	
Heater with adjustable speed fan		x
Telescoping & tilting steering column	x	
USB outlet inside armrest	x	
24-12 DC converter with 2 sockets and 2 USB outlets		x
24-12 DC Converter with 1 socket and 2 USB outlets	x	
Air conditioning		x
Automatic climate control		x
Reading light		x
Sun shades on top and rear		x
Trainer seat		x
Recirculation fan		x
Additional recirculation fan		x
Accessory mounting bar on cab front right pillar		x
Document holder on cab front right pillar		x
Heated top window		x
Radio preparation set-up (wiring, two speakers and antenna)		x
VISIBILITY	STD	OPT
Steel bars on top of cab (open operator compartment)	x	
Top window with armoured glass - FOPS certified (enclosed operator cabin)	x	
Steel bars under armoured glass top window (enclosed operator cabin)		x
Exterior mirrors mounted to cab		x
Rear view camera system		x
Halogen work lights		x
High performance LED work lights		x
Two head lights mounted on front fenders		x
Two mast mounted work lights		x
Four cabin mounted work lights		x
Two rearward work lights mounted on the cabin		x
LED stop/tail/brake lights	x	
Turn signals, hazard & marker lights (LED)		x
OPERATION	STD	OPT
Air horn 112 dBA		x
Electric horn 105 dBA	x	
Visible alarm – amber strobe light, key switch activated		x

Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting	x	
Forward / reverse motion alarm		x
Blue LED spotlight – rear / front and rear		x
Automatic truck shutdown with timer		x
Lockable battery disconnect switch	x	
Battery jump start connector (NATO plug)		x
Truck start with key switch and start button	x	
Seatbelt interlock for truck start		x
Power distribution group with fuses	x	
Fuses partially replaced by electric circuit breakers		x
Non-lockable fuel cap	x	
Lockable fuel cap		x
Hyster Tracker wireless asset management system	x	
Hyster Tracker wireless asset management - access / verification		x
Hyster Tracker wireless asset management - monitoring		x
Auto greasing system for basic truck & outer mast		x
24 volt electrical system	x	
Engine block heater 110 & 240 volt		x
Steer wheel lug nut protection		x
Front and rear mud flaps		x
Lifting eyes - 2 front and 2 rear		x
Wire mesh and plates belly pan		x
APPEARANCE	STD	OPT
Second capacity plate		x
Hyster yellow paint base truck	x	
Special paint base truck		x
Operator compartment special paint (outside only)		x
Hazard warning striping on counterweight		x
SUPPLEMENTAL	STD	OPT
Literature package	x	
Operator's manual	x	
CE certification		x
U.L. Label - standard construction	x	
Warranty: 12 months / 2,000 hours parts & labor manufacturer's warranty	x	



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Part No. H360XD36-48/TG
1/2020 Litho in U.S.A.

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

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