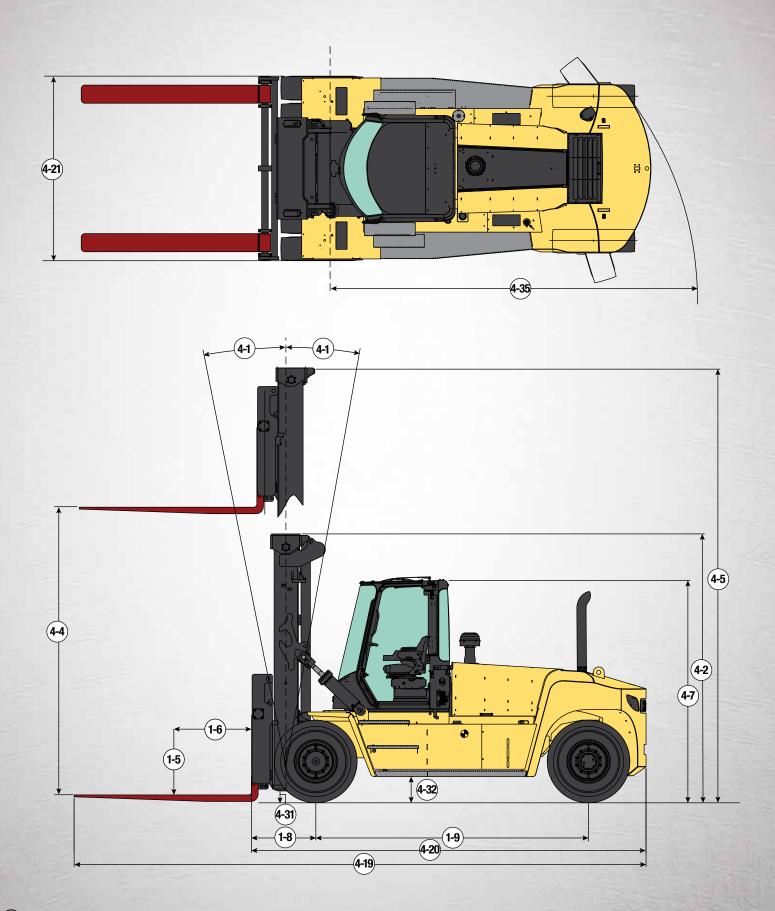
H860 + 86/48HD &



H360-36/48HD DIMENSIONS



H360-36/48HD SPECIFICATIONS

4									
		Description			its	English	Metric	English	Metric
WEIGHTS GENERAL	1-1	Manufacturer			HYSTER	HYSTER	HYSTER	HYSTER	
	1-2	-				H360-36HD	H360-36HD	H360-48HD	H360-48HD
	1-5	5 Rated load capacity		lbs	kg	36,000	16,329	36,000	16,329
	1-6			in	mm	36	914	48	1219
	1-8			in	mm	34.9	887	34.9	887
	1-9				mm	148	3,750	148	3,750
	2-1	<u> </u>			kg	47,186	21,403	50,493	22,903
	2-2a	Axle loading with load	front	lbs	kg	77,110	34,977	79,903	36,243
	2-2b		rear	lbs	kg	6,076	2,756	6,590	2,971
	2-3a	Axle loading without load	front	lbs	kg	23,817	10,803	23,683	10,742
	2-3b		rear	lbs	kg	23,369	10,600	26,809	12,160
WHEELS	3-1					Pneumatic		Pneui	matic
I	3-2					12.00x20 Bias		12.00x	20 Bias
W	3-3					12.00x20 Bias		12.00x20 Bias	
	4-1	·		degrees		15/ 10		15/10	
	4-2	-2 Height of mast lowered		in	mm	145	3,680	145	3,680
	4-3			in	mm	0	0	0	0
	4-4	4 Lift height (Top of Fork)		in	mm	156	3,984	156	3,984
	4-5	5 Height of mast extended		in	mm	222	5,622	222	5,622
	4-7	Height to top of operator compartment		in	mm	120	3,054	120	3,054
	4-19	9 Overall length		in	mm	310	7,878	310	7,878
S	4-20	Length to load face		in	mm	214	5,438	214	5,438
Į	4-21	Overall width over drive tires		in	mm	100	2,542	100	2,542
DIMENSIONS	4-22a	Fork	thickness	in	mm	3.9	100	3.9	100
Σ	4-22b		width	in	mm	7.9	200	7.9	200
ľ	4-22C		length	in	mm	96	2,440	96	2,440
	4-24			in	mm	100	2,540	100	2,540
	4-25a			in	mm	9	235	9	235
	4-25b	1 / / /		in	mm	94	2375	94	2375
	4-31	•		in	mm	7	187	7	187
	4-32	,		in	mm	14	368	14	368
	4-33	,	in	mm	236	5,984	236	5,984	
_	4-35			in	mm	205	5,199	205	5,199
ين	8-7			gal	I	42	160	42	160
MISC.	8-8			gal	ı	54	206	54	206
	10-4			gal 1 5.0 19.0 5.0 19.0 1					19.0
		PERFORMANCE 5-1a Travel speed with load							07
			with load	mph	km/h	17	27	17	27
	5-1b	Lifting speed	without load with load	mph ft/min	km/h	18 77	29 0.39	18 77	0.39
	5-2a 5-2b		without load	ft/min ft/min	m/s	87	0.39	87	0.39
		Lowering speed	with load	ft/min	m/s m/s	106	0.44	106	0.44
	5-3a 5-3b	• '	without load	ft/min	m/s	89	0.34	89	0.45
PERFORMANCE	5-6	Drawbar pull – Max	Without load	lbs	kN	26,700	119	26,500	119
	5-7	Gradeability – no load / rated load	 _ 1 mnh (1 6 km/h)		6	35/31	35/31	33/33	33/33
	PERE	FORMANCE		,		WITH TIER 3 CUMMINS QSB 6.7L			
	5-1a	a Travel speed with load		mph	km/h	17	27	17	27
	5-1b	·	without load	mph	km/h	18	29	18	29
		Lifting speed	with load	ft/min	m/s	67	0.34	67	0.34
	5-2b	- :	without load	ft/min	m/s	87	0.44	87	0.44
	5-3a		with load	ft/min	m/s	106	0.54	106	0.54
	5-3b		without load	ft/min	m/s	89	0.45	89	0.45
	5-6			lbs	kN	24,500	113	24,300	113
	5-7		I – 1 mph (1.6 km/h)		6	35/27	35/27	33/26	33/26

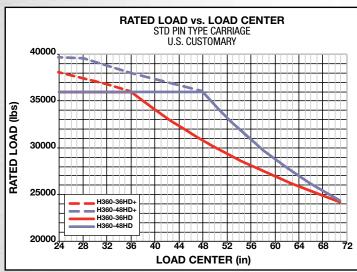
H360-36/48HD SPECIFICATIONS

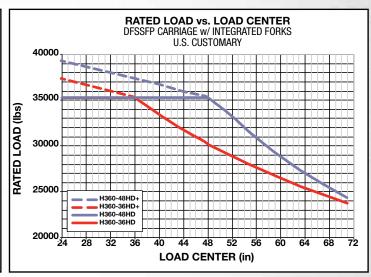
H360-36/48HD MAST DIMENSIONS											
4.4 Lift (Top of	height f Fork)	4.2 Mast Lowered Ht.			reelift f Fork)	4.5 Overall Extended Ht.					
in	mm	in	mm	in	in mm		mm				
2-STAGE NO FREE-LIFT (NO FL)											
156	3984	145	3680	0	0	222	5622				
180	4594	157	3984	0	0	246	6232				
212	5406	173	4390	0	0	278	7044				
244	6219	189	4797	0	0	310	7858				

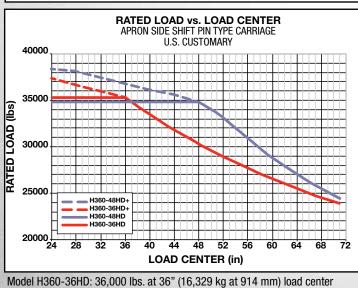
	POWERTRAINS		its	Tier 4 Final		Tier 3	
1-3	Power type			Diesel		Diesel	
7-1	7-1 Engine Manufacturer / model			Cummins QSB 6.7L		Cummins QSB 6.7L	
7-1a	a EPA Tier Compliance			Tier 4 Final		Tier 3	
7-2a	Engine power output - Rated		kW	164	122	155	116
7-2b	Engine power output - Peak		kW	168	125	155	116
7-3	Governed speed		m	2,300		2,300	
7-4	Number of cylinders / displacement		/	6/6.7L		6/6.7L	
7-5	Engine torque - Max	lb-ft	N-m	540	732	443	600
7-5a	Turbocharger		pe	Variable Geometry, Water Cooled		Wastegate	
7-8	Alternator output		ps	120		120	
8-0	Transmission Manufacturer / model			ZF WG-161		ZF WG-161	
8-1	Transmission type & speeds			Powershift 3F x 3R		Powershift 3F x 3R	
7-10	Battery voltage, rated capacity		CCA	2 x 12 / 900		2 x 12 / 900	
7-10a	Drive Axle Manufacturer / model			Kessle	er D81	Kessler D81	
5-10	5-10 Service brake			Oil immersed (wet) disc		Oil immersed (wet) disc	
5-11	Park brake			Spring app	ly, dry disc	Spring apply, dry disc	
10-1	Working pressure for attachments	psi	Мра	2,828	19.5	2,828	19.5
10-2	Oil flow for attachments		I/m	26.4	102	26.4	102

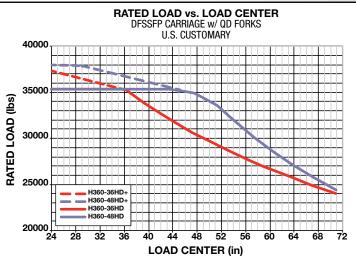
RATED CAPACITIES

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.









Model H360-48HD: 36,000 lbs. at 48" (16,329 kg at 1220 mm) load center

• 100" (2540 mm) carriage width

Rated capacities are for trucks equipped with:

Conversion Factor: 1.0" = 25.4 mm

• 96" (2440 mm) long forks

· 2-Stage mast to 156" (3984 mm) maximum fork height

STANDARD FEATURES AND OPTIONS

MASTS

Masts with nested channels provide maximum visibility of the attachment and load. Mast channels, rollers, stub shafts and chain anchors are reinforced to provide good torsional rigidity. Oversized stub shafts are inset and double welded for good impact resistance. Chains designed on outside of mast to enhance visibility window.

CARRIAGES

Pin-type; integral pin-type fork positioner with simultaneous or individual fork control; pin-type integral sideshift; integral pin-type dual function sideshift fork positioner; apron style sideshift fork positioner with simultaneous or individual fork

Overall Width is 100" (2540 mm) for the H360-36/48HD

Minimum inside-to-inside fork spacing - model and attachment dependent is 9" (235 mm)

Maximum outside-to-outside fork spacing - model and attachment dependent is 94" (2375 mm)

FORKS

Three kinds of forks are offered in two sizes.

i. PIN TYPE - STANDARD PROFILE available in:

- 96" Long x 3.9" x 7.9" (2440mm x 100mm x 200mm) 96" Long x 3.5" x 9.8" (2440mm x 90mm x 250mm)
- ii. INTEGRAL PIN TYPE (FOR USE WITH DFSSFP) available in:
- 96" Long x 3.9" x 7.9" (2440mm x 100mm x 200mm)
- 96" Long x 3.5" x 9.8" (2440mm x 90mm x 250mm)
- iii. QD HOOK TYPE (FOR USE WITH DFSSFP QUICK DISCONNECT) available in:
- 96" Long x 3.9" x 7.9" (2440mm x 100mm x 200mm)
- 96" Long x 3.5" x 9.8" (2440mm x 90mm x 250mm)

STANDARD ENGINE - TIER 4 FINAL

QSB 6.7L 6 Cylinder Diesel Engine delivers 164 hp (peak 168 hp) and 540 lb-ft of maximum torque. EPA Tier 4 Final compliant engine features Cooled exhaust gas recirculation (EGR) technology with selective catalytic reduction (SCR); water-cooled variable geometry turbocharger with an integrated Diesel Exhaust Fluid (DEF) delivery system. Innovative selectable ECO performance modes offer excellent fuel economy and maximum productivity. Also includes:

- 120 amp alternator
- Viscous, on-demand cooling fan which saves fuel and reduces noise.
- Low mount exhaust with diesel oxidation catalyst (DOC) and a diluter to reduce exhaust temperatures.
- Requires ultra-low sulfur diesel fuel and low-ash oil
- Heavy duty spinner type Sy-Klone pre-cleaner center stacked for ease of service and enhanced visibility

TRANSMISSION

- ZF WG-161 three-speed, fully reversing powershift transmission produces smooth shifting, precise inching and fast acceleration
- 3 forward and 3 reverse gears
- Smooth fully automatic gear shift control
- Powershift transmission with proportional valves
- Inching electronically controlled
- Cushioned clutch lock-up provides smooth shifting and dampens drive line shock loads
- Simple push button calibration
- Transmission lock-out preventing high speed directional changes
- Transmission and engine powertrain protection for excessive engine coolant temperature, low engine oil pressure, and excessive engine inlet air temperatures

ELECTRICAL SYSTEM

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

HYDRAULIC SYSTEM

Hyster on-demand load sensing hydraulic system introduces an efficient way to meet truck's hydraulic load demands:

- Based on Variable Displacement Pump (VDP) technology
- Pump is only pumping when oil is needed
- Less heat is produced oil and filters last longer. Hoses, seals, and components also wear less and last longer
- Engine runs quieter and at lower speeds, extending life of major components
- Leak free O-Ring Face Seal (ORFS) fittings standard throughout the truck
- Capable of more oil displacement even at low engine speeds

STEERING SYSTEM

- . Designed for high loads and long life, the one piece axle frame carries the axle loads and provides mounting for the spindles and cylinder
- Axle spindles are supported by oil bathed wheel bearings and sealed to prevent contamination entry or loss of oil. This ensures that oil bearings are always lubricated and enhances overall durability of the axle spindles
- No steering linkage adjustments are required. Lubricating fittings on tie rod pins are the only regular maintenance points
- Load sensed steering provides low steering effort and good performance at all engine speeds
- Fully adjustable steering angle limiter with mechanical stops reduces tire scrubbing
- Wheel hubs rotate on large tapered roller bearings
- Non-adjustable tie rod ends provide maximum life

DRIVE AXLE

Rugged Kessler D81 drive axle features full-floating design

- · Oil cooled wet disc brake system greatly extends brake system life
- Designed for load capacities up to 40,000 lbs.
- Axle loads up to 540 kN (121,400 lbs)
- Bolt circle diameter 16.7 inches (425 mm)
- Park brake

OPERATOR AREA

- Ergonomically designed hydraulic controls and high/low range control lever are within easy reach
- Three steps and hand grips provide easy access to operator compartment
- Angled floor plate and pedals are positioned for operator comfort
- Telescopic, tilt steer column
- Supportive mechanical full-suspension seat adjusts 8 inches (200 mm) for operator comfort
- Several air suspension seat options are available
- Steel overhead guard frame provides maximum high-stacking visibility
- Operator Presence System (OPS) with complete hydraulic lock out requires the operator to be in the normal operating position before any travel or movement of the mast, tilt, carriage, and attachment can be initiated and that the travel or movement of the mast, tilt, carriage, and attachment is locked out when the operator leaves the seat for more than 2-3 seconds
- Optional light groups aid visibility in low-lighted areas. Light kits featuring innovative LED, HID and halogen technology are available to choose from
- Optional ComforCabll features: tinted, curved glass; circulation fan; heater & defroster; electric wiper and windshield washer front, rear, top; intermittent front wiper; door retainer; 3 speed fan; 12-volt auxiliary power source; dome light, with many additional options to enhance comfort and productivity

Special attachments, equipment or accessories not listed above may be available through Applications Engineering for specific application requirements.

STANDARD FEATURES AND OPTIONS

STANDARD EQUIPMENT

Complete truck equipped with:

- 156" maximum fork height 2-stage mast with 145" overall lowered height
- 100" (2540mm) wide pin type carriage
- 96" long x 3.9" x 7.9" (2440mm x 100mm x 200mm) pin type forks
- Cummins QSB 6.7L Tier 4 Final engine
- Sy-Klone spinner type heavy duty air intake pre-cleaner
- Premium ZF WG161 3 speed autoshift transmission
- Kessler heavy duty planetary drive axle with wet disc brakes
- Powertrain Protection system for engine and transmission; high temperature or low oil pressure
- On-Demand load-sensing hydraulic system featuring Variable Displacement Pump technology (VDP)
- CANbus electrical control system for engine, transmission and hydraulics
- Low mount exhaust
- Low mount air intake
- 12.00 x 20 20PR bias high load pneumatic drive and steer tires
- Directional control lever with direction change interlock system
- UL Classification D
- Mast tilt: 15° fwd / 10° back
- · Lockable battery disconnect switch
- Open operator compartment with integral overhead guard. Compartment
 includes: seatside mini-lever hydraulic control; multifunction display
 panel; interior wide angle mirrors; handrails for operator entry and exit;
 telescoping & tilting steering column; floor mat; isolated mounting for low
 noise and vibration; 24-12V DC converter; full suspension vinyl seat with
 integrated, adjustable armrest and seat belt
- Operator restraint system
- · Operator presence system
- Electric air horn (105 dBA)
- Audible backup alarm
- 24V electrical system
- Tilting operator compartment for service access manual operation
- Light kit #1 Rear: 2 LED stop, tail and back-up lights
- · Steering angle limiter with mechanical stops
- · Non-locking fuel cap
- Operator's manual

OPTIONAL EQUIPMENT

- Cummins QSB 6.7L Tier 3 engine*
- Masts various lift heights available
- · Sideshifting carriages and fork positioners
- Various fork options
- Various mast tilt ranges
- Multifunction joystick
- MONOTROL® pedal direction control with direction change interlock system
- Radial and pneumatic-shaped solid tires
- · Enclosed cab, with or without air conditioning
- Multiple inside-cabin options
- Multiple seat options
- 2 and 3-point high visibility seat belts
- Powered tilting operator compartment for service access
- Visible alarm / amber strobe light
- Various LED (light emitting diode), HID (high intensity discharge - xenon) and halogen light kits available
- · Lockable fuel cap
- · High mount exhaust
- · High mount air intake
- Hydraulic accumulator
- Various traction speed limiters
- Empty seat engine shutdown adjustable from 3-15 minutes (preset to 15 minutes)
- Lifting eyes
- · Steer wheel lug protection
- Engine block heater
- Front and rear mud flaps
- · H-pattern wiper on front windshield



Hyster Company P.O. Box 7006 Greenville, North Carolina 27835-7006 Part No. H360-36/48HD/TG 10/2015 Litho in U.S.A. Visit us online at www.hyster.com or call us at 1-800-HYSTER-1.

Hyster, and Monotrol are registered trademarks of Hyster Company.

Sy-Klone, Cummins, Kessler and ZF are registered trademarks of their respective companies. Hyster products are subject to change without notice.

All trucks shown with optional equipment. ©2015 Hyster Company. All rights reserved.

^{*} For Canada and Latin American markets only