

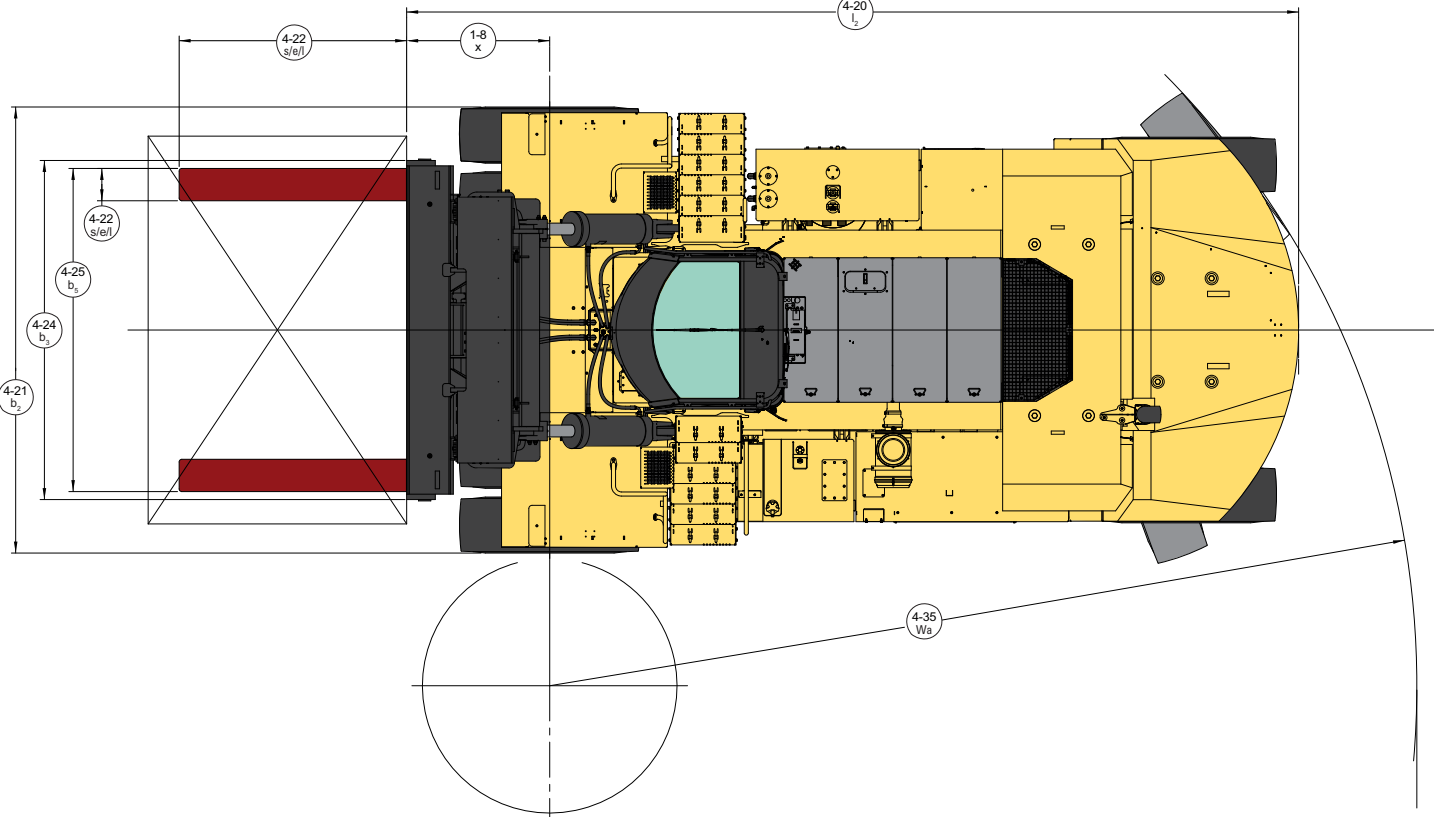
H800-1050XD/S SERIES



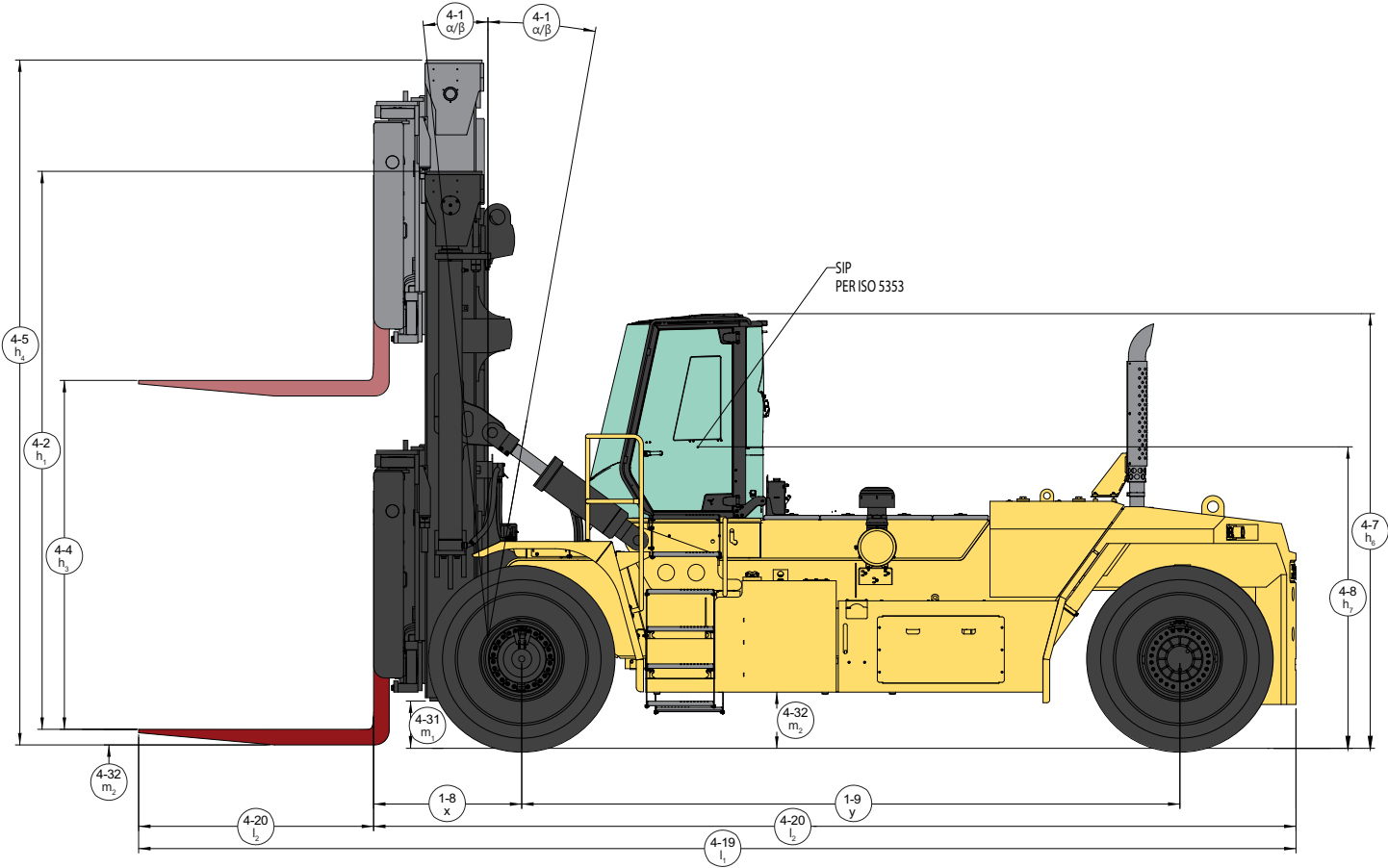
HEAVY DUTY FORKLIFT TRUCK PNEUMATIC TIRE PRODUCT TECHNICAL GUIDE



H800-1050XD/S DIMENSIONS



H800-1050XD/S DIMENSIONS



H800-900XD SPECIFICATIONS

				HYSTER													
				H800XDS48				H900XDS48				H900XD48					
GENERAL	1-1	Manufacturer			HYSTER												
	1-2	Model designation			H800XDS48				H900XDS48				H900XD48				
	1-3	Powertrain / drivetrain			Diesel												
	1-4	Operator type			Seated												
	1-5	Rated load capacity	Q	lb kg	80,000	36,278	90,000	40,823	90,000	40,823	90,000	40,823					
	1-6	Load center	c ₁	in mm	48	1,220	48	1,220	48	1,220	48	1,220					
	1-8	Load distance	x	in mm	49	1,255	49	1,255	49	1,255	49	1,255					
	1-9	Wheelbase	y	in mm	212	5,385	212	5,385	232	5,900	232	5,900					
	WEIGHTS	2-1	Total truck weight without load			lb kg	115,408	52,348	122,330	55,488	116,521	52,853					
2-2		Axle loading with load, front / rear			lb kg	185,005	10,403	83,917	4,719	199,841	12,489	90,646	5,665	196,179	10,342	88,985	4,691
2-3		Axle loading without load, front / rear			lb kg	68,335	47,073	30,996	21,352	68,588	53,742	31,111	24,377	68,521	48,001	31,081	21,773
WHEELS	3-1	Tire type			Type Pneumatic												
	3-2	Tire size, front (1)			18.00-25 40PR												
	3-3	Tire size, rear (1)			18.00-25 40PR												
	3-5	Number of tires, front / rear (X driven)			# x4/2												
	3-6	Tread width, front (2)	b ₁₀	in mm	123	3,124	123	3,124	123	3,124	123	3,124					
	3-7	Tread width, rear	b ₁₁	in mm	121	3,073	121	3,073	121	3,073	121	3,073					
	DIMENSIONS	4-1	Mast tilt, forward / back			α/β Degrees 6 / 10											
4-2		Height of mast lowered			h ₁	in mm	205	5,183	205	5,183	205	5,183					
4-3		Freelift			h ₂	in mm	0	0	0	0	0	0					
4-4		Lift height (top of fork)			h ₃	in mm	173	4,407	173	4,407	173	4,407					
4-5		Height, extended			h ₄	in mm	289	7,317	289	7,317	289	7,317					
4-7-1		Height, top of operator comp (closed cab)			h ₆	in mm	154	3,904	154	3,904	154	3,904					
4-7-2		Height, top of operator comp (closed cab w/ airco)			h ₆	in mm	154	3,904	154	3,904	154	3,904					
4-7-3		Height, top of operator comp (closed cab w/ strobe light)			h ₆	in mm	157	3,999	157	3,999	157	3,999					
4-7-4		Height, top of operator comp (closed cab w/ work lights)			h ₆	in mm	160	4,060	160	4,060	160	4,060					
4-8		Seat height to seat point index (SIP) (3)			h ₇	in mm	106	2,700	106	2,700	106	2,700					
4-19		Overall length			l ₁	in mm	399	10,123	399	10,123	419	10,638					
4-20		Length to load face			l ₂	in mm	302	7,683	302	7,683	323	8,198					
4-21		Overall width of truck			b ₂	in mm	167	4,233	167	4,233	167	4,233					
4-22		Fork dimension			s/e/l	in mm	5.5 / 11.8 / 96	140 / 300 / 2,440	5.5 / 11.8 / 96	140 / 300 / 2,440	5.5 / 11.8 / 96	140 / 300 / 2,440					
4-23		Fork carriage type			Type Pin type fork positioning												
4-24		Carriage width			b ₃	in mm	124	3,150	124	3,150	124	3,150					
4-25-1		Fork spread, min (in-in)			b ₅	in mm	35.8	909	35.8	909	35.8	909					
4-25-2		Fork spread, max (out-out)			b ₅	in mm	112.4	2,855	112.4	2,855	112.4	2,855					
4-30		Sideshift			b ₈	in mm	0	0	0	0	0	0					
4-31		Ground clearance, under mast with load (1)			m ₁	in mm	15	371	15	371	15	371					
4-32		Ground clearance, center of wheelbase (1)			m ₂	in mm	18	452	18	452	18	452					
4-34	Minimum aisle width (add load length & clearance)			A _{st}	in mm	344	8,735	344	8,735	366	9,305						
4-35	Outside turning radius			W ₃	in mm	294	7,480	294	7,480	317	8,050						
PERFORMANCE	TIER 4 FINAL				TIER 4F CUMMINS X12				TIER 4F CUMMINS X12				TIER 4F CUMMINS X12				
	5-1	Travel speed, with / without load			mph km/h	15.5	15.5	25	25	15.5	15.5	25	25	15.5	15.5	25	25
	5-2	Lifting speed, with / without load			ft/min m/s	51	61	0.26	0.31	51	61	0.26	0.31	51	61	0.26	0.31
	5-3	Lowering speed, with / without load			ft/min m/s	79	98	0.40	0.50	79	98	0.40	0.50	79	98	0.40	0.50
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load (4)			lb kN	69,241	70,590	308	314	68,792	70,365	306	313	69,016	70,590	307	314
	5-6	Drawbar pull - stall, with / without load			lb kN	70,815	72,164	315	321	70,590	72,164	314	321	70,590	72,164	314	321
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)			%	38	38	34	36	36	36	38					
	5-8	Gradeability stall, with load / without load (5)			%	39	38	35	36	37	38						
	TIER 3				TIER 3 CUMMINS X12				TIER 3 CUMMINS X12				TIER 3 CUMMINS X12				
	5-1	Travel speed, with / without load			mph km/h	15.5	15.5	25	25	15.5	15.5	25	25	15.5	15.5	25	25
	5-2	Lifting speed, with / without load			ft/min m/s	51	61	0.26	0.31	51	61	0.26	0.31	51	61	0.26	0.31
	5-3	Lowering speed, with / without load			ft/min m/s	79	98	0.40	0.50	79	98	0.40	0.50	79	98	0.40	0.50
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load (4)			lb kN	67,667	69,016	301	307	67,443	69,016	300	307	67,443	69,016	300	307
	5-6	Drawbar pull - stall, with / without load			lb kN	70,140	71,489	312	318	69,691	71,264	310	317	69,916	71,489	311	318
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)			%	37	38	35	36	35	36	38					
	5-8	Gradeability stall, with load / without load (5)			%	39	38	36	36	36	36	38					

H970XD SPECIFICATIONS

				HYSTER									
				H970XDS48				H970XD48					
GENERAL	1-1	Manufacturer			HYSTER								
	1-2	Model designation			H970XDS48				H970XD48				
	1-3	Powertrain / drivetrain			Diesel								
	1-4	Operator type			Seated								
	1-5	Rated load capacity	Q	lb kg	97,000	43,998			97,000	43,998			
	1-6	Load center	c ₁	in mm	48	1,220			48	1,220			
	1-8	Load distance	x	in mm	49	1,255			49	1,255			
	1-9	Wheelbase	y	in mm	212	5,385			232	5,900			
	WEIGHTS	2-1	Total truck weight without load			lb kg	127,246	57,718		123,444	55,993		
2-2		Axle loading with load, front / rear			lb kg	210,137	14,109	95,317	6,400	206,339	14,105	93,594	6,398
2-3		Axle loading without load, front / rear			lb kg	68,676	58,571	31,151	26,567	68,751	54,692	31,185	24,808
WHEELS	3-1	Tire type			Type			Pneumatic					
	3-2	Tire size, front (1)			18.00-25 40PR								
	3-3	Tire size, rear (1)			18.00-25 40PR								
	3-5	Number of tires, front / rear (X driven)			#			x4/2					
	3-6	Tread width, front (2)	b ₁₀	in mm	123	3,124			123	3,124			
	3-7	Tread width, rear	b ₁₁	in mm	121	3,073			121	3,073			
	4-1	Mast tilt, forward / back			α/β Degrees			6 / 10					
DIMENSIONS	4-2	Height of mast lowered			h ₁	in mm	205	5,183			205	5,183	
	4-3	Freelift			h ₂	in mm	0	0			0	0	
	4-4	Lift height (top of fork)			h ₃	in mm	173	4,407			173	4,407	
	4-5	Height, extended			h ₄	in mm	289	7,317			289	7,317	
	4-7-1	Height, top of operator comp (closed cab)			h ₆	in mm	154	3,904			154	3,904	
	4-7-2	Height, top of operator comp (closed cab w/ airco)			h ₆	in mm	154	3,904			154	3,904	
	4-7-3	Height, top of operator comp (closed cab w/ strobe light)			h ₆	in mm	157	3,999			157	3,999	
	4-7-4	Height, top of operator comp (closed cab w/ work lights)			h ₆	in mm	160	4,060			160	4,060	
	4-8	Seat height to seat point index (SIP) (3)			h ₇	in mm	106	2,700			106	2,700	
	4-19	Overall length			l ₁	in mm	399	10,123			419	10,638	
	4-20	Length to load face			l ₂	in mm	302	7,683			323	8,198	
	4-21	Overall width of truck			b ₂	in mm	167	4,233			167	4,233	
	4-22	Fork dimension			s/e/l	in mm	5.5 / 11.8 / 96	140 / 300 / 2,440		5.5 / 11.8 / 96	140 / 300 / 2,440		
	4-23	Fork carriage type			Type			Pin type fork positioning					
	4-24	Carriage width			b ₃	in mm	124	3,150			124	3,150	
	4-25-1	Fork spread, min (in-in)			b ₅	in mm	35.8	909			35.8	909	
	4-25-2	Fork spread, max (out-out)			b ₅	in mm	112.4	2,855			112.4	2,855	
4-30	Sideshift			b ₈	in mm	0	0			0	0		
4-31	Ground clearance, under mast with load (1)			m ₁	in mm	15	371			15	371		
4-32	Ground clearance, center of wheelbase (1)			m ₂	in mm	18	452			18	452		
4-34	Minimum aisle width (add load length & clearance)			A _{st}	in mm	344	8,735			366	9,305		
4-35	Outside turning radius			W _a	in mm	294	7,480			317	8,050		
PERFORMANCE	TIER 4 FINAL				TIER 4F CUMMINS X12				TIER 4F CUMMINS X12				
	5-1	Travel speed, with / without load			mph km/h	15.5	15.5	25	25	15.5	15.5	25	25
	5-2	Lifting speed, with / without load			ft/min m/s	51	61	0.26	0.31	51	61	0.26	0.31
	5-3	Lowering speed, with / without load			ft/min m/s	79	98	0.40	0.50	79	98	0.40	0.50
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load (4)			lb kN	68,567	70,365	305	313	68,792	70,365	306	313
	5-6	Drawbar pull - stall, with / without load			lb kN	70,365	71,939	313	320	70,365	71,939	313	320
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)			%	32		34		33		36	
	5-8	Gradeability stall, with load / without load (5)			%	33		34		34		36	
	TIER 3				TIER 3 CUMMINS X12				TIER 3 CUMMINS X12				
	5-1	Travel speed, with / without load			mph km/h	15.5	15.5	25	25	15.5	15.5	25	25
	5-2	Lifting speed, with / without load			ft/min m/s	51	61	0.26	0.31	51	61	0.26	0.31
	5-3	Lowering speed, with / without load			ft/min m/s	79	98	0.40	0.50	79	98	0.40	0.50
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load (4)			lb kN	67,218	68,792	299	306	67,218	69,016	299	307
	5-6	Drawbar pull - stall, with / without load			lb kN	69,466	71,264	309	317	69,691	71,264	310	317
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)			%	31		34		32		36	
	5-8	Gradeability stall, with load / without load (5)			%	33		34		33		36	

H1050XD SPECIFICATIONS

		HYSTER											
GENERAL	1-1	Manufacturer		H1050XDS48					H1050XD48				
	1-2	Model designation											
	1-3	Powertrain / drivetrain							Diesel				
	1-4	Operator type							Seated				
	1-5	Rated load capacity	Q	lb	kg	105,000	47,627		105,000	47,627			
	1-6	Load center	c ₁	in	mm	48	1,220		48	1,220			
	1-8	Load distance	x	in	mm	49	1,255		49	1,255			
	1-9	Wheelbase	y	in	mm	212	5,385		232	5,900			
	WEIGHTS	2-1	Total truck weight without load		lb	kg	133,860	60,718		126,596	57,423		
2-2		Axle loading with load, front / rear		lb	kg	223,421	15,440	101,342	7,003	217,547	14,049	98,678	6,373
2-3		Axle loading without load, front / rear		lb	kg	70,292	63,568	31,884	28,834	68,612	57,984	31,122	26,301
WHEELS	3-1	Tire type		Type		Pneumatic							
	3-2	Tire size, front (1)				18.00-25 40PR							
	3-3	Tire size, rear (1)				18.00-25 40PR							
	3-5	Number of tires, front / rear (X driven)		#		x4/2							
	3-6	Tread width, front (2)		b ₁₀	in	mm	123	3,124		123	3,124		
3-7	Tread width, rear		b ₁₁	in	mm	121	3,073		121	3,073			
DIMENSIONS	4-1	Mast tilt, forward / back		α/β	Degrees	6 / 10							
	4-2	Height of mast lowered		h ₁	in	mm	205	5,183		205	5,183		
	4-3	Freelift		h ₂	in	mm	0	0		0	0		
	4-4	Lift height (top of fork)		h ₃	in	mm	173	4,407		173	4,407		
	4-5	Height, extended		h ₄	in	mm	289	7,317		289	7,317		
	4-7-1	Height, top of operator comp (closed cab)		h ₆	in	mm	154	3,904		154	3,904		
	4-7-2	Height, top of operator comp (closed cab w/ airco)		h ₆	in	mm	154	3,904		154	3,904		
	4-7-3	Height, top of operator comp (closed cab w/ strobe light)		h ₆	in	mm	157	3,999		157	3,999		
	4-7-4	Height, top of operator comp (closed cab w/ work lights)		h ₆	in	mm	160	4,060		160	4,060		
	4-8	Seat height to seat point index (SIP) (3)		h ₇	in	mm	106	2,700		106	2,700		
	4-19	Overall length		l ₁	in	mm	399	10,123		419	10,638		
	4-20	Length to load face		l ₂	in	mm	302	7,683		323	8,198		
	4-21	Overall width of truck		b ₂	in	mm	167	4,233		167	4,233		
	4-22	Fork dimension		s/e/l	in	mm	5.5 / 11.8 / 96	140 / 300 / 2,440		5.5 / 11.8 / 96	140 / 300 / 2,440		
	4-23	Fork carriage type		Type		Pin type fork positioning							
	4-24	Carriage width		b ₃	in	mm	124	3,150		124	3,150		
	4-25-1	Fork spread, min (in-in)		b ₅	in	mm	35.8	909		35.8	909		
	4-25-2	Fork spread, max (out-out)		b ₅	in	mm	112.4	2,855		112.4	2,855		
	4-30	Sideshift		b ₆	in	mm	0	0		0	0		
	4-31	Ground clearance, under mast with load (1)		m ₁	in	mm	15	371		15	371		
4-32	Ground clearance, center of wheelbase (1)		m ₂	in	mm	18	452		18	452			
4-34	Minimum aisle width (add load length & clearance)		A _{st}	in	mm	344	8,735		366	9,305			
4-35	Outside turning radius		W _a	in	mm	294	7,480		317	8,050			
PERFORMANCE	TIER 4 FINAL			TIER 4F CUMMINS X12				TIER 4F CUMMINS X12					
	5-1	Travel speed, with / without load		mph	km/h	15.5	15.5	25	25	15.5	15.5	25	25
	5-2	Lifting speed, with / without load		ft/min	m/s	51	61	0.26	0.31	51	61	0.26	0.31
	5-3	Lowering speed, with / without load		ft/min	m/s	79	98	0.40	0.50	79	98	0.40	0.50
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load (4)		lb	kN	68,342	70,140	304	312	68,567	70,365	305	313
	5-6	Drawbar pull - stall, with / without load		lb	kN	69,916	71,939	311	320	70,140	71,939	312	320
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)		%		30		33		31		35	
	5-8	Gradeability stall, with load / without load (5)		%		31		33		32		35	
	TIER 3			TIER 3 CUMMINS X12				TIER 3 CUMMINS X12					
	5-1	Travel speed, with / without load		mph	km/h	15.5	15.5	25	25	15.5	15.5	25	25
	5-2	Lifting speed, with / without load		ft/min	m/s	51	61	0.26	0.31	51	61	0.26	0.31
	5-3	Lowering speed, with / without load		ft/min	m/s	79	98	0.40	0.50	79	98	0.40	0.50
	5-5	Drawbar pull - 1 mph (1.6 km/h), with / without load (4)		lb	kN	66,993	68,792	298	306	66,993	68,792	298	306
	5-6	Drawbar pull - stall, with / without load		lb	kN	69,241	71,040	308	316	69,466	71,264	309	317
	5-7	Gradeability - 1 mph (1.6 km/h), with / without load (5)		%		29		33		30		35	
	5-8	Gradeability stall, with load / without load (5)		%		30		33		31		35	

MAST AND POWERTRAIN SPECIFICATIONS

POWERTRAINS							
GENERAL	1-1	Manufacturer		HYSTER			
	1-2	Model designation		H800-H1050XD(S)48			
	1-3	Powertrain / drivetrain		Diesel			
ENGINE	7-1	Engine manufacturer / model		Cummins / X12			
	7-1a	EPA tier compliance		Tier 4 / stage IV			
	7-2	Engine power output - rated	hp kW	350 @2000	265 @2000	335 @2100	250 @2100
	7-2-1	Engine power output - peak	hp kW	380 @1700	283 @1700	370 @1800	276 @1800
	7-3	Rated speed	rpm	2,000		2,100	
	7-3-1	Engine torque @ rpm (1/min)	lb-ft N-m	1,373 @ 1,400	1,862 @ 1,400	1,235 @ 1,400	1,674 @ 1,400
	7-4	Number of cylinders / displacement	# / in3 # / cm3	6 / 720	6 / 11,800	6 / 720	6 / 11,800
	x	Turbocharger	Type	Wastegate, water-cooled			
	7-8	Alternator output	Amps	150			
	7-9	Electrical system voltage	V	24			
7-10	Battery voltage / nominal capacity	V / Ah	24 / 120				
DRIVE	8-0	Drive control / transmission	Type	Powershift transmission			
	8-1	Type of drive unit	Type	Torque converter			
	8-2	Transmission manufacturer / type	Type	Dana SOH TE 30			
	8-2-1	Transmission speeds forward / reverse	#	5 / 3			
	8-3	Wheel drive / drive axle manufacturer / type	Type	Kessler D102			
	8-4	Service brake	Type	Oil immersed (wet) disc			
MISC	8-5	Parking brake	Type	Spring apply, dry disc on drive axle			
	10-1	Operating pressure for attachments	psi MPa	3,263	22.5	3,263	22.5
	10-2	Oil flow for attachments	gpm l/m	29	110	29	110
	10-3	Hydraulic oil tank, capacity	gal l	165	625	165	625
	10-4a	Fuel tank, capacity - H800-H1050XDS48	gal l	151	572	151	572
	10-4b	Fuel tank, capacity - H900-H1050XD48	gal l	226	856	226	856
	10-4c	DEF tank, capacity - H800-H1050XDS48	gal l	15	57	N/A	N/A
	10-4d	DEF tank, capacity - H900-H1050XD48	gal l	25	95	N/A	N/A
	10-5	Steering design	Type	Hydraulic power steering			
	10-6	Number of steering rotation	#	7.3			

H800-1050XD/S MAST DIMENSIONS

4.4 Lift height (top of fork)		4.2 Mast lowered height*		4.3 Freelift (top of fork)		4.5 Overall extended height	
2-stage mast dimensions							
in	mm	in	mm	in	mm	in	mm
173	4407	205	5183	0	0	289	7316
163	4150	259	6554	0	0	397	10059
341	8674	289	7316	0	0	457	11583
365	9284	301	7621	0	0	481	12193
389	9894	313	7926	0	0	505	12803
503	12790	373	9454	0	0	622	15779

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) 18.00-33 40PR tires are optional. Add 160mm for 18.00-33 40PR
- (2) Front tread center outer tire
- (3) Full suspension seat in depressed position
- (4) Drawbar pull figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.
- (5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

All capacities are according to EN1551.

NOTICE:

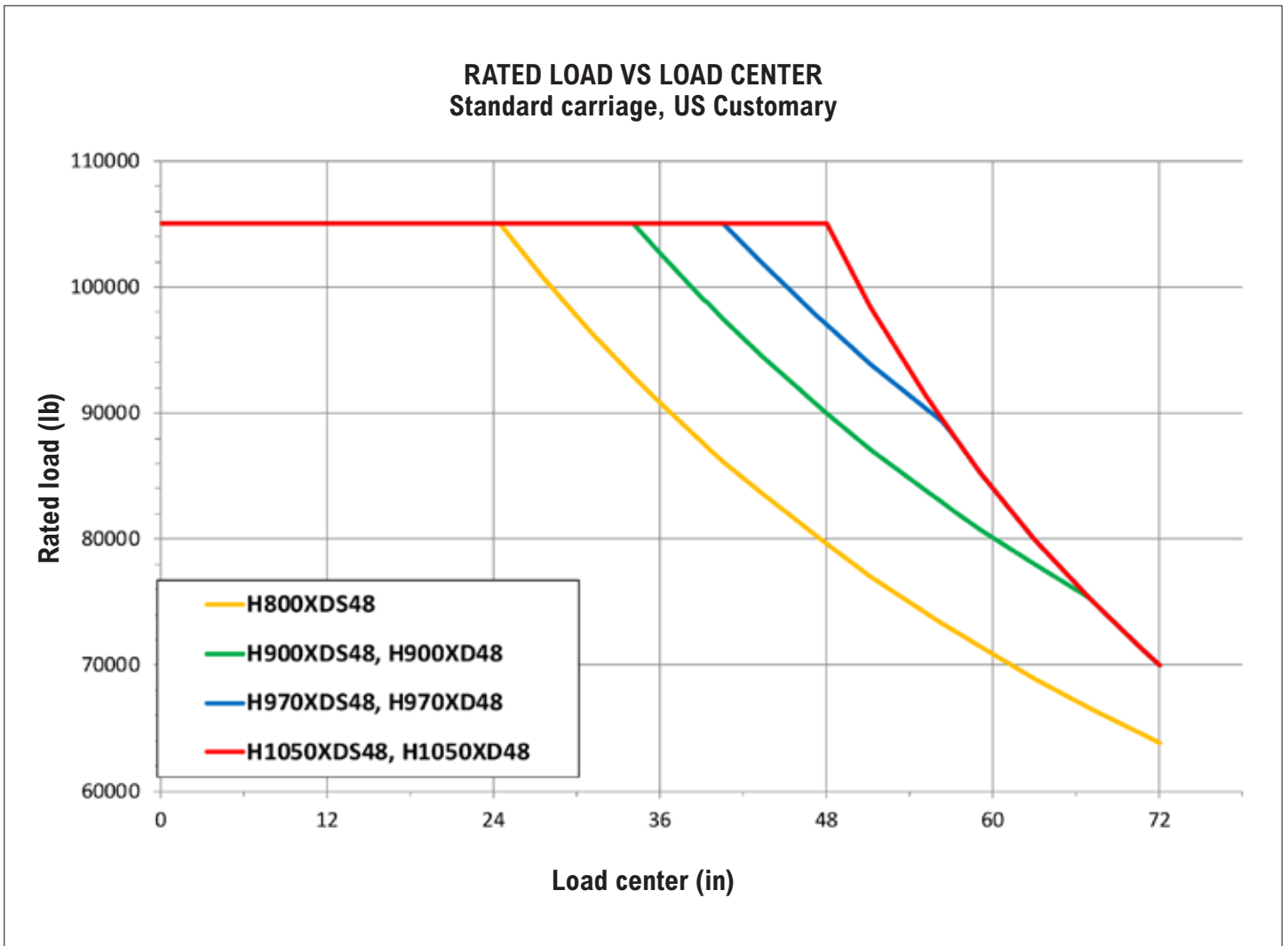
Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual. All values are nominal values and they are subject to tolerances. For further information, please contact the manufacturer. Values may vary with alternative configurations.

Lift trucks illustrated may feature optional equipment.

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.

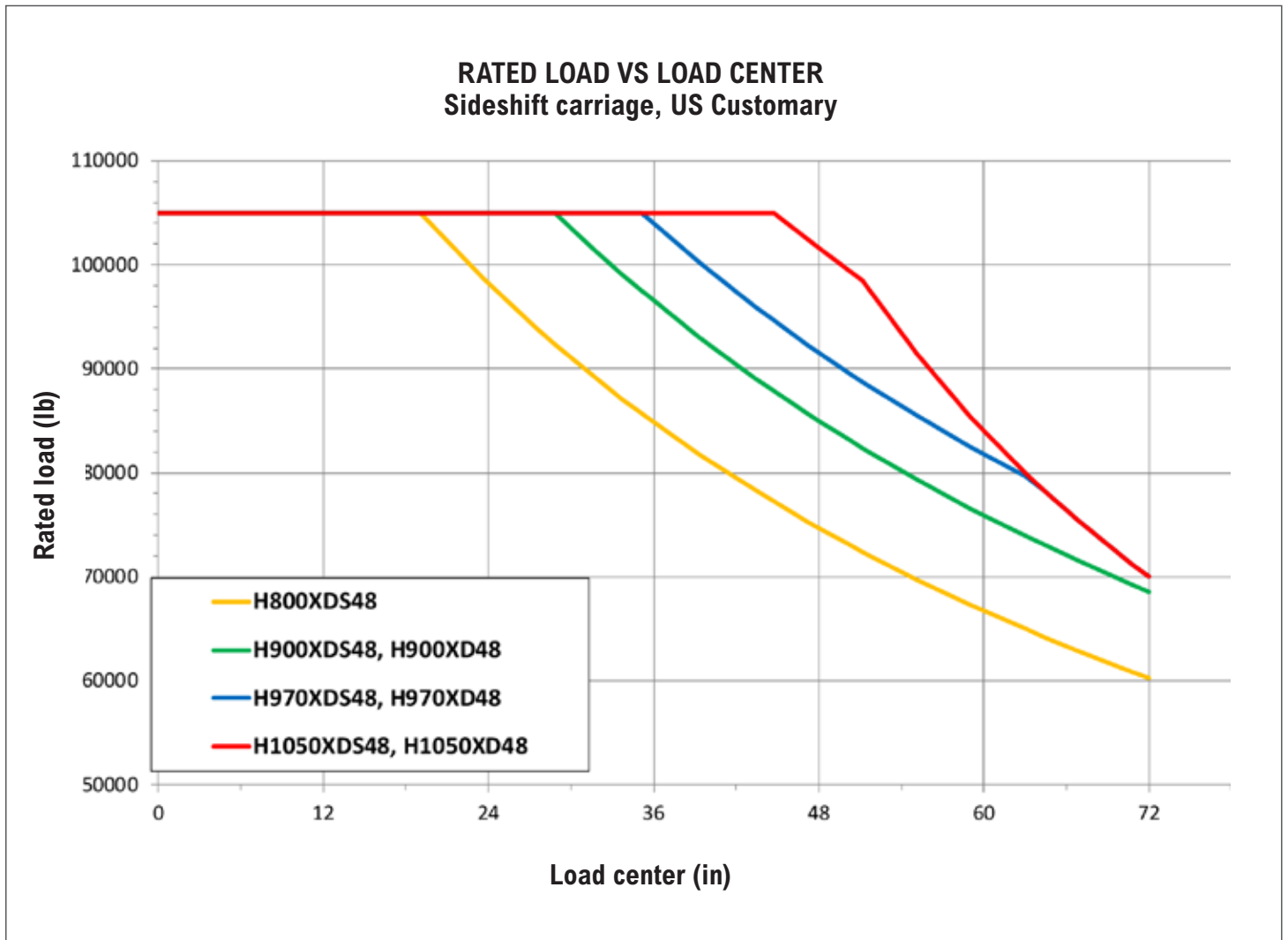
CAPACITY CHART | STANDARD CARRIAGE



TRUCK CONFIGURATION:

- 2-stage mast - 173" (4410mm) max. fork height
- 96" (2440mm) fork length

* Extended length forks required for 72" load center or greater applications.



TRUCK CONFIGURATION:

- 2-stage mast - 173" (4410mm) max. fork height
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FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
Cummins X12 diesel engine rated 355 hp Tier 4 / 265 kW Stage V (1)	x	
Cummins X12 diesel engine rated 335 hp Tier 3 / 250 kW Stage IIIA (2)	x	
Tier 4 / Stage V compliant	x	
Tier 3 / Stage IIIA compliant (3)	x	
Wastegate turbocharger, water cooled	x	
Hibernate idle	x	
Hydraulically driven on-demand cooling fan	x	
On-demand cooling fan	x	
150 amp alternator	x	
Performance modes selectable in Integrated Performance Display	x	
Powertrain protection system	x	
Heavy duty air intake	x	
High mount exhaust	x	
Spicer® off-highway TE-30 5-speed auto-shifting transmission	x	
Kessler D102 drive axle with wet disc brakes	x	
DRIVE	STD	OPT
Travel speed limiter - unconditional and customer adjustable		x
18.00-25 40PR pneumatic bias ply drive and steer tires	x	
18.00-33 36PR pneumatic bias ply drive and steer tires		x
18.00-R25 Michelin® XZM® 2+ pneumatic radial drive and steer tires		x
18.00-R25 Goodyear slick radial drive and steer tires		x
LIFT	STD	OPT
On-demand load sensing hydraulic system	x	
Automatic throttle-up when lifting (in neutral or inching) (3)	x	
2 Stage non free lift mast - 173" (4410mm) max lift height - 205" (5183mm) overall lowered height	x	
2 Stage non free lift masts - lift heights ranging from 281" (7150mm) to 503" (12790mm)		x
Mast tilt - 6° forward / 10° back	x	
Mast tilt - 15° forward / 15° back (4)		x
Mast tilt indicator - mechanical		x
Hydraulic accumulator		x
Pressure compensated lowering	x	
Hydraulic system temperature protection with performance de-rate		x
HANDLING	STD	OPT
124" (3150mm) Quick disconnect pin type carriage with individual fork positioner	x	
124" (3150mm) Quick disconnect pin type apron style carriage with individual fork positioner		x
96" (2440mm) long x 5.5" (140mm) thick x 11.8" (300mm) wide pin type forks with standard taper	x	
83" (2110mm) long x 5.5" (140mm) thick x 11.8" (300mm) wide pin type forks with standard taper		x
ERGONOMICS	STD	OPT
Enclosed operator cabin	x	
Powered 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

ERGONOMICS (continued)	STD	OPT
Low backrest seat	x	
High backrest seat		x
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	
Lateral seat sliding mechanism		x
Floor mat	x	
Coat hook	x	
Interior dome light	x	
Front, top and rear wipers	x	
"H"-pattern front wiper (Enclosed operator cabin)		x
"I"-pattern front wiper (Enclosed operator cabin)	x	
Front and rear window defrosters	x	
Right side door	x	
Wire mesh installed on top of operator compartment		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 with spinner knob	x	
Directional control lever on steering column	x	
Directional control switch (integrated into control arm)		x
Directional control on joystick		x
Park brake - push button applied	x	
Park brake - automatically applied		x
Heater with adjustable speed fan	x	
Telescoping & tilting steering column	x	
USB outlet inside armrest	x	
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		x
Air conditioning		x
Automatic climate control		x
Reading light		x
Sun shades on top and rear		x
Sun visors front window		x
Cloth trainer seat with 2-point seatbelt		x
Recirculation fan	x	
Accessory mounting bracket on cab front right pillar		x
Document holder on cab front right pillar		x
Heated top- and/or rear window		x
Radio preparation with 2 speakers and antenna		x

FEATURES AND OPTIONS

VISIBILITY	STD	OPT
Top window with armoured glass	x	
Steel bars under armored glass top window		x
Interior wide angle mirrors	x	
Exterior mirrors mounted to handrails	x	
Rear view camera system		x
Radar object detection system		x
Halogen work lights	x	
High performance LED work lights		x
Two halogen head lights mounted on front fenders	x	
Two LED head lights mounted on front fenders		x
Four halogen head lights mounted on front fenders		x
Four LED head lights mounted on front fenders		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	
Visible alarm – amber strobe light, ignition activated	x	
Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting		x
Forward motion alarm		x
Blue LED spotlight – rear		x
Seatbelt interlock for engine start and truck operation		x
Air conditioning shut-off with open door		x
Automatic engine shutdown with timer		x
Lockable battery disconnect switch	x	
Truck start with key switch and start button	x	
Operator password (display) for truck start	x	
Fuses below 30 amps replaced by electric circuit breakers		x
Non-lockable fuel cap	x	
Lockable fuel cap		x
Fuel strainer in fuel filler neck		x
Hyster Tracker™ wireless asset management - access / verification		x
Hyster Tracker™ wireless asset management - monitoring	x	
Auto greasing system for base truck		x
Centralized greasing system for top end mast		x
24 volt electrical system	x	
Engine block heater 110 or 240 volt		x
Steer wheel lug nut protection	x	

APPEARANCE	STD	OPT
Hyster yellow paint base truck	x	
Special paint base truck		x
SUPPLEMENTAL	STD	OPT
Literature package	x	
Operator's manual	x	
CE certification (5)		x
Warranty: 12 Months / 2,000 hours parts & labor manufacturer's warranty (5)	x	
Warranty: 12 Months / 2,000 hours parts manufacturer's warranty (5)	x	

(1) Tier 4 final requires ultra-low sulfur diesel fuel and low ash oil.

(2) Not for use in US and Canada.

(3) Automatic throttle-up is only activated when the transmission is in neutral or when brake pedal is full actuated.

(4) Required for 503" (12,790mm) MLH mast. Not compatible with shorter masts.

(5) Standard or Optional in select markets or on select models.



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