

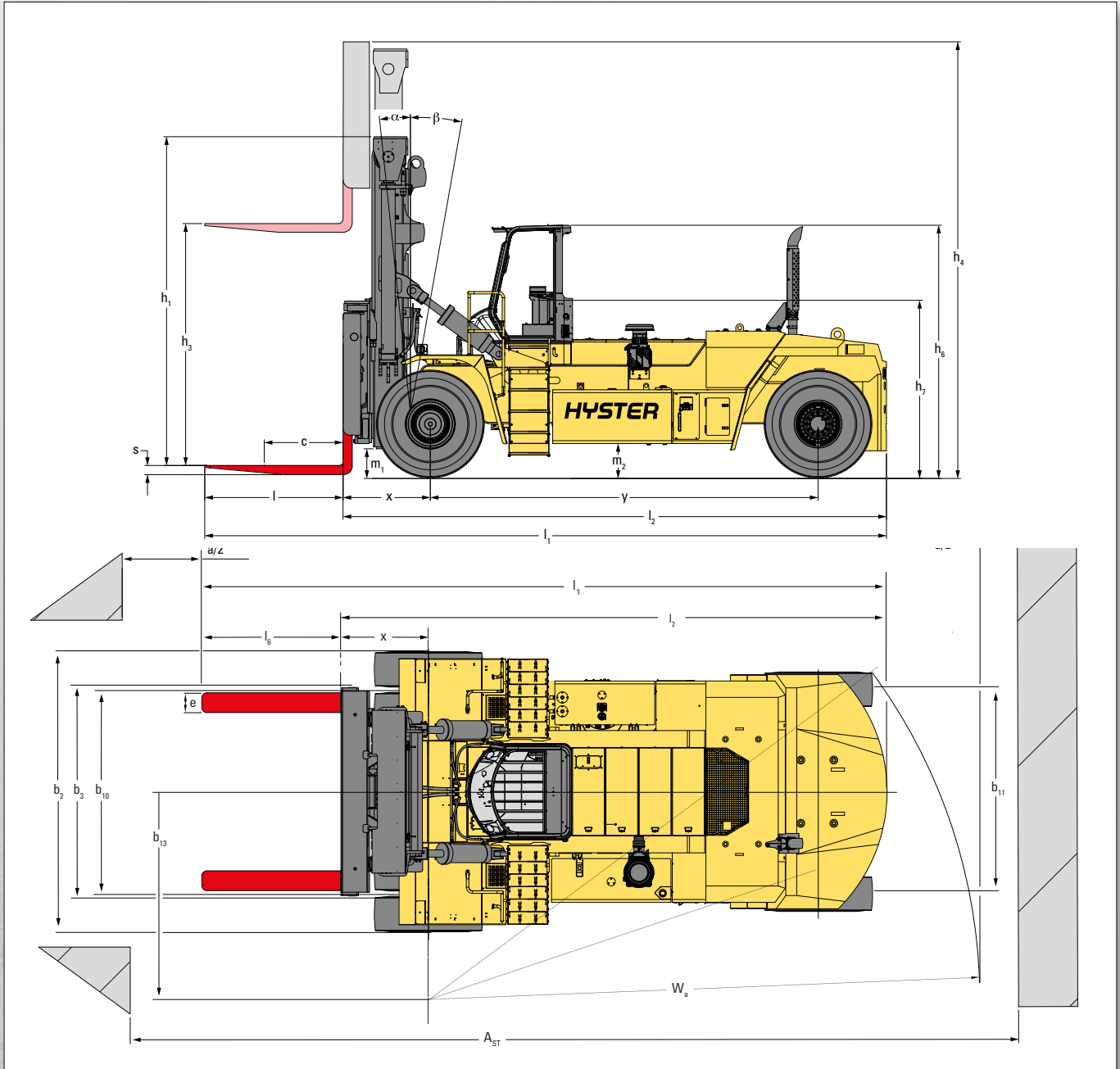


**STRONG PARTNERS.  
TOUGH TRUCKS.™**



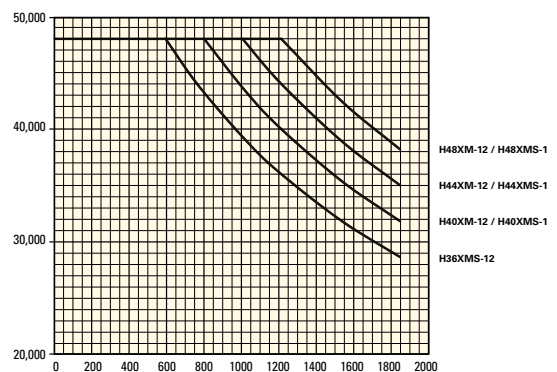
# **H36-48XM(S)-12 SERIES TECHNICAL GUIDE**



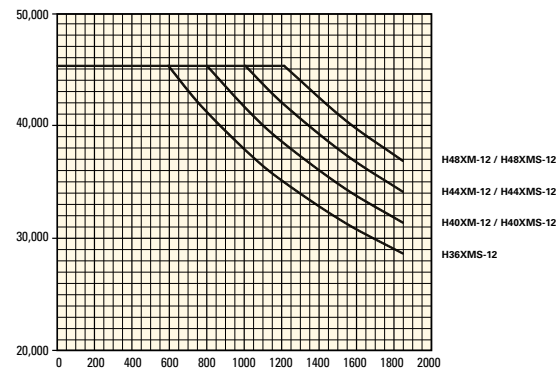


## > CAPACITY RATINGS

**PIN TYPE CARRIAGE**



**PIN TYPE SIDE SHIFT FRAME CARRIAGE**



Ratings are for the basic truck equipped with mast 7010 mm lift height (BOF), standard carriage and forks. Only applicable for 18.00 - 25 tyres. The ratings are computed using fork lengths as follows: 0 to 1200 mm Load centre 2440 mm fork length



## MAST AND CAPACITY INFORMATION <

### H36XMS-12 RATED CAPACITY KG@ 1200 MM LOAD CENTRE

	Lift height h <sub>3</sub> + s (mm)	Lowered height h <sub>1</sub> (mm)	Free lift height h <sub>2</sub> + s (m)	Extended height h <sub>4</sub> (mm)	Pin Type carriage with independent Fork Positioner		Pin Type Side Shift frame carriage with independent Fork Positioner	
					Mast tilt (°)	Capacity (kg)	Mast tilt (°)	Capacity (kg)
2 STAGE NFL	4,407	5,183	0	7,316	6 / 10	36,280	6 / 10	34,340
	7,150	6,554	0	10,059	6 / 10	36,100	6 / 10	33,890
	8,647	7,316	0	11,583	6 / 10	35,120	6 / 10	32,970
	9,284	7,621	0	12,193	6 / 10	34,720	6 / 10	32,590
	9,894	7,926	0	12,803	6 / 10	34,310	6 / 10	32,180
	12,790	9,454	0	15,779	15 / 15	TBA	15 / 15	TBA

### H40XMS-12 RATED CAPACITY KG@ 1200 MM LOAD CENTRE

	Lift height h <sub>3</sub> + s (mm)	Lowered height h <sub>1</sub> (mm)	Free lift height h <sub>2</sub> + s (m)	Extended height h <sub>4</sub> (mm)	Pin Type carriage with independent Fork Positioner		Pin Type Side Shift frame carriage with independent Fork Positioner	
					Mast tilt (°)	Capacity (kg)	Mast tilt (°)	Capacity (kg)
2 STAGE NFL	4,407	5,183	0	7,316	6 / 10	40,820	6 / 10	39,000
	7,150	6,554	0	10,059	6 / 10	40,820	6 / 10	38,550
	8,647	7,316	0	11,583	6 / 10	40,620	6 / 10	38,280
	9,284	7,621	0	12,193	6 / 10	40,200	6 / 10	37,870
	9,894	7,926	0	12,803	6 / 10	39,750	6 / 10	37,460
	12,790	9,454	0	15,779	15 / 15	TBA	15 / 15	TBA

### H44XMS-12 RATED CAPACITY KG@ 1200 MM LOAD CENTRE

	Lift height h <sub>3</sub> + s (mm)	Lowered height h <sub>1</sub> (mm)	Free lift height h <sub>2</sub> + s (m)	Extended height h <sub>4</sub> (mm)	Pin Type carriage with independent Fork Positioner		Pin Type Side Shift frame carriage with independent Fork Positioner	
					Mast tilt (°)	Capacity (kg)	Mast tilt (°)	Capacity (kg)
2 STAGE NFL	4,407	5,183	0	7,316	6 / 10	44,000	6 / 10	41,980
	7,150	6,554	0	10,059	6 / 10	44,000	6 / 10	41,530
	8,647	7,316	0	11,583	6 / 10	43,700	6 / 10	41,260
	9,284	7,621	0	12,193	6 / 10	43,600	6 / 10	41,160
	9,894	7,926	0	12,803	6 / 10	43,150	6 / 10	40,730
	12,790	9,454	0	15,779	15 / 15	TBA	15 / 15	TBA

### H40XMS-12 RATED CAPACITY KG@ 1200 MM LOAD CENTRE

	Lift height h <sub>3</sub> + s (mm)	Lowered height h <sub>1</sub> (mm)	Free lift height h <sub>2</sub> + s (m)	Extended height h <sub>4</sub> (mm)	Pin Type carriage with independent Fork Positioner		Pin Type Side Shift frame carriage with independent Fork Positioner	
					Mast tilt (°)	Capacity (kg)	Mast tilt (°)	Capacity (kg)
2 STAGE NFL	4,407	5,183	0	7,316	6 / 10	48,070	6 / 10	46,560
	7,150	6,554	0	10,059	6 / 10	48,070	6 / 10	46,110
	8,647	7,316	0	11,583	6 / 10	48,070	6 / 10	45,840
	9,284	7,621	0	12,193	6 / 10	48,070	6 / 10	45,740
	9,894	7,926	0	12,803	6 / 10	47,710	6 / 10	45,310
	12,790	9,454	0	15,779	15 / 15	TBA	15 / 15	TBA

### H40XM-12 RATED CAPACITY KG@ 1200 MM LOAD CENTRE

	Lift height h <sub>3</sub> + s (mm)	Lowered height h <sub>1</sub> (mm)	Free lift height h <sub>2</sub> + s (m)	Extended height h <sub>4</sub> (mm)	Pin Type carriage with independent Fork Positioner		Pin Type Side Shift frame carriage with independent Fork Positioner	
					Mast tilt (°)	Capacity (kg)	Mast tilt (°)	Capacity (kg)
2 STAGE NFL	4,407	5,183	0	7,316	6 / 10	40,000	6 / 10	38,350
	7,150	6,554	0	10,059	6 / 10	40,000	6 / 10	37,900
	8,647	7,316	0	11,583	6 / 10	40,000	6 / 10	37,600
	9,284	7,621	0	12,193	6 / 10	39,600	6 / 10	37,200
	9,894	7,926	0	12,803	6 / 10	39,250	6 / 10	36,750
	12,790	9,454	0	15,779	15 / 15	TBA	15 / 15	TBA

### H44XM-12 RATED CAPACITY KG@ 1200 MM LOAD CENTRE

	Lift height h <sub>3</sub> + s (mm)	Lowered height h <sub>1</sub> (mm)	Free lift height h <sub>2</sub> + s (m)	Extended height h <sub>4</sub> (mm)	Pin Type carriage with independent Fork Positioner		Pin Type Side Shift frame carriage with independent Fork Positioner	
					Mast tilt (°)	Capacity (kg)	Mast tilt (°)	Capacity (kg)
2 STAGE NFL	4,407	5,183	0	7,316	6 / 10	44,000	6 / 10	42,500
	7,150	6,554	0	10,059	6 / 10	44,000	6 / 10	42,000
	8,647	7,316	0	11,583	6 / 10	44,000	6 / 10	41,750
	9,284	7,621	0	12,193	6 / 10	44,000	6 / 10	41,650
	9,894	7,926	0	12,803	6 / 10	43,600	6 / 10	41,200
	12,790	9,454	0	15,779	15 / 15	TBA	15 / 15	TBA

### H48XM-12 RATED CAPACITY KG@ 1200 MM LOAD CENTRE

	Lift height h <sub>3</sub> + s (mm)	Lowered height h <sub>1</sub> (mm)	Free lift height h <sub>2</sub> + s (m)	Extended height h <sub>4</sub> (mm)	Pin Type carriage with independent Fork Positioner		Pin Type Side Shift frame carriage with independent Fork Positioner	
					Mast tilt (°)	Capacity (kg)	Mast tilt (°)	Capacity (kg)
2 STAGE NFL	4,407	5,183	0	7,316	6 / 10	48,000	6 / 10	46,200
	7,150	6,554	0	10,059	6 / 10	48,000	6 / 10	45,750
	8,647	7,316	0	11,583	6 / 10	48,000	6 / 10	45,450
	9,284	7,621	0	12,193	6 / 10	48,000	6 / 10	45,350
	9,894	7,926	0	12,803	6 / 10	47,650	6 / 10	44,900
	12,790	9,454	0	15,779	15 / 15	TBA	15 / 15	TBA



# KARBAR H36XMS-12/H40XMS-12/H44XMS-12/H48XMS-12 SPECIFICATIONS

GENERAL	1-1		HYSTER		HYSTER		HYSTER		HYSTER		
	Manufacturer		H36XMS-12		H40XMS-12		H44XMS-12		H48XMS-12		
	1-2		H36XMS-12		H40XMS-12		H44XMS-12		H48XMS-12		
	1-3		Diesel		Diesel		Diesel		Diesel		
	1-4		Seated		Seated		Seated		Seated		
	1-5	Load capacity, nominal (1)	Q	kg	36,000	40,000	44,000	48,000			
	1-6	Load center distance	C <sub>1</sub>	mm	1,200	1,200	1,200	1,200			
	1-8	Load distance, centre of drive axle to fork	x	mm	1,255	1,255	1,255	1,255			
	1-9	Wheelbase	y	mm	5,385	5,385	5,385	5,385			
WT.	2-1		kg		52,385		55,525		57,754		
	2-2		kg		83,965	4,702	90,707	5,634	95,398	6,347	
	2-3		kg		31,083	21,302	31,215	24,310	31,279	26,475	
WHEELS	3-1		Pneumatic		Pneumatic		Pneumatic		Pneumatic		
	3-2		18.00-25 40PR		18.00-25 40PR		18.00-25 40PR		18.00-25 40PR		
	3-3		18.00-25 40PR		18.00-25 40PR		18.00-25 40PR		18.00-25 40PR		
	3-5		x 4 / 2		x 4 / 2		x 4 / 2		x 4 / 2		
	3-6	Tread, front	b <sub>10</sub>	mm	3,703	3,703	3,703	3,703			
	3-7	Tread, rear	b <sub>11</sub>	mm	3,020	3,020	3,020	3,020			
	DIMENSIONS	4-1		6° / 10°		6° / 10°		6° / 10°		6° / 10°	
4-2		5,183		5,183		5,183		5,183			
4-3		0		0		0		0			
4-4		4,267		4,267		4,267		4,267			
4-5		7,316		7,316		7,316		7,316			
4-7		3,880		3,916	3,880	3,916	3,880	3,916	3,880	3,916	
4-7-1		3,916		3,949	3,916	3,949	3,916	3,949	3,916	3,949	
4-7-2		4,084		4,084		4,084		4,084			
4-7-3		4,107		4,107		4,107		4,107			
4-8		2,700		2,700		2,700		2,700			
4-12		NA		NA		NA		NA			
4-19		10,123		10,123		10,123		10,123			
4-20		7,683		7,683		7,683		7,683			
4-21		4,200		4,200		4,200		4,200			
4-22		140 / 300 / 2.440		140 / 300 / 2.440		140 / 300 / 2.440		140 / 300 / 2.440			
4-23		Quick Disconnect Pin type with individual fork positioner		Quick Disconnect Pin type with individual fork positioner		Quick Disconnect Pin type with individual fork positioner		Quick Disconnect Pin type with individual fork positioner			
4-24		3,150		3,150		3,150		3,150			
4-25		1,509		2,855	1,509	2,855	1,509	2,855	1,509	2,855	
4-30		+/- 305		+/- 305		+/- 305		+/- 305			
4-31		371		371		371		371			
4-32		442		442		442		442			
4-33		2,400		2,400	2,400	2,400	2,400	2,400	2,400	2,400	
4-34-1		11,831		11,831		11,831		11,831			
4-34-2		10,955		10,955		10,955		10,955			
4-35		7,100		7,100		7,100		7,100			
4-36		2,760		2,760		2,760		2,760			
PERFORMANCE	5-1		19		20	19	20	19	20	19	20
	5-1-1		On request		On request		On request		On request		
	5-2		0.21		0.23	0.21	0.23	0.21	0.23	0.21	0.23
	5-2-1		0.22		0.22		0.22		0.22		
	5-3		0.50		0.50	0.50	0.50	0.50	0.50	0.50	0.50
	5-5		325		331	325	331	324	331	324	331
	5-7		38		47	37	48	36	45	34	46
	5-8		38		47	37	48	36	45	34	46
	5-9		On request		On request		On request		On request		

**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) Standard fork positioner carriage
- (2) Unladen with new tyres
- (3) Bottom of forks
- (4) Full suspension seat in depressed position

- (5) Front tread centre outer tyre
- (7) Drawbar pull figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle to pull trailers
- (6) Weights are based on the following specifications: complete truck with cab, pneumatic tyres, mast, carriage and forks as specified
- (8) Distance centre truck to centre of internal turning radius
- (9) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines



## H40XM-12/H44XM-12/H48XM-12 SPECIFICATIONS



GENERAL	1-1		HYSTER		HYSTER		HYSTER		
	1-1	Manufacturer		HYSTER		HYSTER		HYSTER	
1-2	Model designation		H40XM-12		H44XM-12		H48XM-12		
1-3	Drive		Diesel		Diesel		Diesel		
1-4	Operator type		Seated		Seated		Seated		
1-5	Load capacity, nominal (1)	Q	kg	40,000	44,000	44,000	48,000		
1-6	Load center distance	c <sub>1</sub>	mm	1,200	1,200	1,200	1,200		
1-8	Load distance, centre of drive axle to fork	x	mm	1,255	1,255	1,255	1,255		
1-9	Wheelbase	y	mm	5,900	5,900	5,900	5,900		
WT.	2-1	Service weight (6)	kg	50,120	52,350	55,150			
	2-2	Axle loading with load, front / rear	kg	85,070   5,050	90,730   5,620	96,740   6,410			
	2-3	Axle loading without load, front / rear	kg	28,730   21,390	28,755   23,595	29,135   26,015			
WHEELS	3-1	Tyre type		Pneumatic		Pneumatic		Pneumatic	
	3-2	Tyre size, front (5)		18.00-25 40PR		18.00-25 40PR		18.00-25 40PR	
	3-3	Tyre size, rear		18.00-25 40PR		18.00-25 40PR		18.00-25 40PR	
	3-5	Wheels, number front / rear (x = driven wheels)		x 4 / 2		x4 / 2		x4 / 2	
	3-6	Tread, front	b <sub>10</sub>	mm	3,703	3,703	3,703	3,703	
	3-7	Tread, rear	b <sub>11</sub>	mm	3,020	3,020	3,020	3,020	
	4-1	Mast tilt, forward / backward	α/β	deg	6° / 10°	6° / 10°	6° / 10°	6° / 10°	
DIMENSIONS	4-2	Height, mast lowered (2)	h <sub>1</sub>	mm	5,183	5,183	5,183	5,183	
	4-3	Free lift	h <sub>2</sub>	mm	0	0	0	0	
	4-4	Lift (3)	h <sub>3</sub>	mm	4,267	4,267	4,267	4,267	
	4-5	Height, mast extended	h <sub>4</sub>	mm	7,316	7,316	7,316	7,316	
	4-7	Height of overhead guard / steel cab	h <sub>6</sub>	mm	3,880   3,916	3,880   3,916	3,880   3,916	3,880   3,916	
	4-7-1	Cab height without airco / with airco	h <sub>6</sub>	mm	3,916   3,949	3,916   3,949	3,916   3,949	3,916   3,949	
	4-7-2	Cab height w/o airco w/ strobe light	h <sub>6</sub>	mm	4,084	4,084	4,084	4,084	
	4-7-3	Cab height w/o airco w/ cab mounted work lights	h <sub>6</sub>	mm	4,107	4,107	4,107	4,107	
	4-8	Seat height to SIP (4)	h <sub>7</sub>	mm	2,700	2,700	2,700	2,700	
	4-12	Coupling height	h <sub>10</sub>	mm	NA	NA	NA	NA	
	4-19	Overall length	l <sub>1</sub>	mm	10,638	10,638	10,638	10,638	
	4-20	Length to load face of attachment	l <sub>2</sub>	mm	8,198	8,198	8,198	8,198	
	4-21	Overall width	b <sub>2</sub>	mm	4,200	4,200	4,200	4,200	
	4-22	Fork dimensions ISO 2331	s/e/l	mm	140 / 300 / 2,440	140 / 300 / 2,440	140 / 300 / 2,440	140 / 300 / 2,440	
	4-23	Carriage type			Quick Disconnect Pin type with individual fork positioner	Quick Disconnect Pin type with individual fork positioner	Quick Disconnect Pin type with individual fork positioner	Quick Disconnect Pin type with individual fork positioner	
	4-24	Fork carriage width	b <sub>3</sub>	mm	3,150	3,150	3,150	3,150	
	4-25	Distance over fork arms, minimum / maximum	b <sub>5</sub>	mm	1,509   2,855	1,509   2,855	1,509   2,855	1,509   2,855	
	4-30	Sideshift @ width over forks	b <sub>8</sub>	mm	+/- 305	+/- 305	+/- 305	+/- 305	
	4-31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	371	371	371	371	
	4-32	Ground clearance, center or wheelbase	m <sub>2</sub>	mm	442	442	442	442	
4-33	Load dimension b <sub>12</sub> x l <sub>6</sub> crossways		mm	2,400   2,400	2,400   2,400	2,400   2,400	2,400   2,400		
4-34-1	Aisle width predetermined load dimensions (a = 10% of Ast)	A <sub>st</sub>	mm	12,591	12,591	12,591	12,591		
4-34-2	Aisle width predetermined load dimensions (a = 200 mm)	A <sub>st</sub>	mm	11,646	11,646	11,646	11,646		
4-35	Outside turning radius	W <sub>a</sub>	mm	7,791	7,791	7,791	7,791		
4-36	Internal turning radius (8)	b <sub>13</sub>	mm	2,963	2,963	2,963	2,963		
PERFORMANCE	5-1	Travel speed, with / without load		km/h	19   20	19   20	19   20	19   20	
	5-1-1	Travel speed, with load locked / without load		m/s	On request	On request	On request	On request	
	5-2	Lifting speed, with / without load		m/s	0.21   0.23	0.21   0.23	0.21   0.23	0.21   0.23	
	5-2-1	Lifting speed, with 70% load		m/s	0.22	0.22	0.22	0.22	
	5-3	Lowering speed with / without load		m/s	0.50   0.50	0.50   0.50	0.50   0.50	0.50   0.50	
	5-5	Drawbar pull - 1.6 km/h, with / without load (7)		kN	323   330	323   330	322   330	330	
	5-7	Gradeability - 1.6 km/h, with / without load (9)		%	33   43	32   44	31   41	41	
	5-8	Gradeability - stall, with / without load (9)		%	33   43	32   44	31   41	41	
	5-9	Acceleration time, with / without load		sec	On request	On request	On request	On request	

### 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.

Specification data is based on VDI 2198.

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

<b>GENERAL</b>	1-1	Manufacturer			HYSTER
	1-2	Model designation			H36-48XM(S)-12
	1-3	Drive			Diesel

<b>ENGINE</b>	7-1	Engine manufacturer / model			Cummins / QSL 9
	7-1a	Emission legislation			Stage IV
	7-2	Engine power rated to ISO 1585		kW	261
	7-2-1	Engine power, maximum		kW	283
	7-3	Rated speed		min <sup>-1</sup>	2,100
	7-3-1	Engine torque @rpm		Nm/min <sup>-1</sup>	1,627 @ 1500
	7-4	Number of cylinders / displacement		# / cm <sup>3</sup>	6 / 8,900
		Turbocharger		Type	Variable geometry, water cooled
	7-8	Alternator output		Amps	120
	7-9	Electrical system voltage		V	24
7-10	Battery voltage, rated capacity		V / Ah	24 / 102	

<b>DRIVE</b>	8-1	Drive control / Transmission		Type / #	Torque Converter
	8-2	Transmission manufacturer / type		Type / #	Dana S.O.H TE 32
	8-4	Transmission speeds forward / backward		#	4 / 4
	8-5	Coupling		Type	Torque Converter
	8-6	Wheel drive / drive axle manufacturer / type		Type / #	KESSLER D102PL341/528
	8-11	Service brake		Type	Oil immersed (wet) disc
	8-12	Parking brake		Type	Spring applied, dry disc on drive axle

<b>MISC</b>	10-1	Operating pressure for attachments		bar	23.5
	10-2	Oil volume for attachments		l/m	90
	10-3	Hydraulic tank capacity		l	660
	10-4	Fuel tank capacity		l	830
	10-4-1	DEF/AdBlue Tank capacity		l	57
	10-5	Steering design			Hydraulic power steering
	10-6	Number of steering rotation			6.0
	10-7	Sound pressure level at driver's seat	Lpaz	dB(A)	74
10-7-1	Sound pressure level at driver's seat	Lwaz	dB	108	

## ➤ FEATURES AND OPTIONS

PERFORMANCE	STD	OPT
Cummins QSL 9L diesel engine rated 350 hp Tier 4 / 271 kW Stage IV	X	
Tier 4 / Stage IV compliant	X	
Variable geometry turbocharger, water cooled	X	
Hibernate Idle	X	
Hydraulically driven on-demand cooling fan	X	
120 amp alternator	X	
Powertrain protection system	X	
Heavy duty air intake	X	
Heavy duty air intake (raised)		X
Spicer Off-Highway TE-27 4-speed auto-shifting transmission	X	
Spicer Off-Highway TE-32 4-speed auto-shifting transmission		X
Kessler D102 drive axle with wet disc brakes	X	
DRIVE	STD	OPT
Traction speed limiter - unconditional (adjustable)	X	
Traction speed limiter - loaded (adjustable)		X
18.00-25 40PR Pneumatic drive and steer tyres	X	
18.00-25 40PR Pneumatic Nokian drive and steer tyres		X
18.00-25 40PR Pneumatic Slick drive and steer tyres		X
18.00-25 40PR Pneumatic ELV-4B drive and steer tyres		X
18.00-R25 Radial Goodyear drive and steer tres		X
18.00-R25 Radial VCHS drive and steer tyres		X
18.00-25 40PR Pneumatic Goodyear drive and steer tyres		X
LIFT	STD	OPT
2 stage Non Free Lift mast	X	
Mast tilt - 6° Forward / 10° Back	X	
Mast tilt - 15° Forward / 15° Back		X
Hydraulic Accumulator		X
Hydraulic system temperature protection with hydraulic shutdown		X
HANDLING	STD	OPT
Short Wheelbase (5385mm / 212")		X
Attachments for steel load handling		X
Mast Tilt Indicator - Mechanical		X
3150mm (124") QD Pin type carriage with individual fork positioning	X	

HANDLING (continued)	STD	OPT
3150mm (124") QD Pin type integral sideshift carriage with individual fork positioning		X
3150mm (124") QD Hook type double function sideshift carriage with individual fork positioning		X
2440mm (96") length Pin type quick disconnect forks	X	
Pin type quick disconnect forks (various sizes)		X
Hook type quick disconnect forks (various sizes)		X
HANDLING	STD	OPT
External wide angle mirrors mounted on rear of front fenders	X	
External wide angle mirrors mounted on top of front fenders		X
Exterior mirrors mounted to cab		X
Rear view camera system		X
Halogen work lights	X	
LED work lights		X
High Performance LED work lights		X
Four Halogen head lights mounted on front fenders	X	
Four LED head lights mounted on front fenders		X
LED stop/tail/brake lights	X	
Turn signals, hazard & marker lights (LED)	X	
ERGONOMICS	STD	OPT
Full steel cab operator compartment	x	
Powered tilt operator compartment for service	X	
Isolated mounting for low noise and vibration	X	
Operator presence system	X	
Mechanical suspension seat	X	
Deluxe air suspension seat		X
Low backrest seat	X	
High backrest seat	X	
Cloth seat cover		X
Vinyl seat cover	X	
Seat heating		X
2-point high visibility seatbelt	X	
3-point high visibility seatbelt		X
Swivel seat		X







**POWERTRAINS** <

ERGONOMICS (continued)	STD	OPT
Floor mat	X	
Coat hook	X	
Front, top and rear wipers	X	
"H"-pattern front wiper		X
"I"-pattern front wiper	X	
Front and rear window defrosters	X	
Laminated glass operator compartment front window	X	
Tinted operator compartment windows (all)		X
Tinted operator compartment top window		X
Lexan top window		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
Steering wheel with spinner knob	X	
Directional control lever	X	
Directional control switch (integrated in arm rest)		X
Self-setting park brake		X
Manual park brake	X	
Interior wide angle mirrors	X	
Heater with 3 speed fan	X	
Diesel fueled cabin heater		X
Telescoping & tilting steering column	X	
Tilting steering column	X	
DC/DC converter 24 volt/12 volt with socket		X
DC/DC converter 24 volt/12 volt 2nd 12 volt socket		X
Air conditioning		X
Heavy duty air conditioning		X
Climate control	X	
Reading light		X
Sun shades on top and rear		X
Trainer seat		X
Recirculation fan		X
Additional operator fan		X
Rear locking console		X
Accessory mounting post		X
Rear locking console in cab		X
Heated top window		X
Radio preparation set-up (wiring, two speakers and antenna)		X
OPERATION	STD	OPT
Electric air horn 112 dBA	X	
Visible alarm – Amber strobe light, key switch activated	X	

OPERATION (continued)	STD	OPT
Audible alarm – Reverse direction activated 82–102 dB(A), self-adjusting	X	
Audible alarm – Reverse direction white noise		X
Radar object detection system		X
Forward motion alarm		X
Pedestrian awareness light (continuous)		X
Pedestrian awareness light (directional)		X
Seatbelt interlock for engine start		X
Seatbelt indicator light on top of cab		X
Hydraulic load weighing system		X
Tyre pressure monitoring system		X
Lockable battery disconnect switch	X	
Battery jump start connector (NATO plug)		X
"Empty seat" engine shutdown		X
Key switch start with interlock		X
Electric circuit breakers		X
Non-lockable fuel cap	X	
Lockable fuel cap		X
Diesel fuel inlet strainer in filler neck		X
Hyster Tracker wireless asset management system		X
Auto greasing system for base truck		X
Centralized greasing provision for upper chain sheaves		X
24 volt electrical system	X	
Engine block heater 110 & 230 volt		X
Steer wheel lug nut protection	X	
APPEARANCE	STD	OPT
Hyster yellow paint base truck	X	
Special paint base truck		X
Operator compartment special paint (outside only)		X
Operator compartment special paint (complete cabin)		X
Hazard warning striping on counterweight		X
SUPPLEMENTAL	STD	OPT
Literature package	X	
Operator's manual	X	
CE certification	X	
Warranty: 12 Months / 2,000 Hours manufacturer's warranty	X	

Other options available through Special Products Engineering Department (SPED).  
Contact Hyster for details.

**FRONT END EQUIPMENT** <

<b>RANGE OF 2 STAGE NFL MASTS</b>	<b>QUICK DISCONNECT PIN TYPE FORKS</b>	<b>QUICK DISCONNECT HOOK TYPE FORKS (SPED)</b>
		
<b>PIN TYPE CARRIAGE WITH INDEPENDENT FORK POSITIONER</b>	<b>PIN TYPE SIDE SHIFT FRAME CARRIAGE WITH INDEPENDENT FORK POSITIONER</b>	<b>HOOK TYPE DOUBLE FUNCTION SIDESHIFT CARRIAGE WITH INDIVIDUAL FORK POSITIONER (SPED)</b>
		

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