



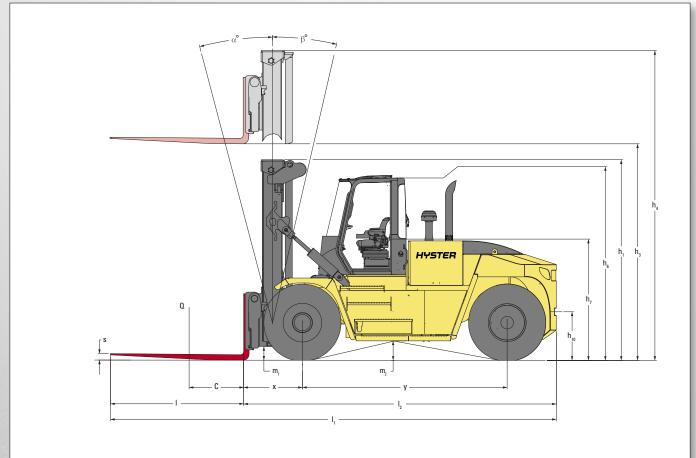
# H18-20XD SERIES TECHNICAL GUIDE

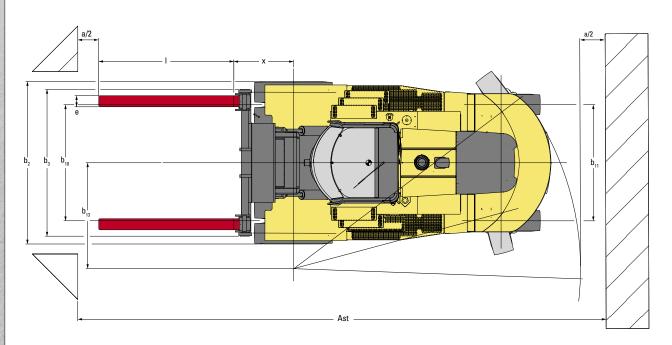






### **DIMENSIONS**





• Centre of gravity of unladen truck

 $\mathsf{A}_{\mathsf{ST}}$ 

 $= W_a + x + I_6 + a \text{ (if } b_{12}/2 < b_{13}) \\ = W_a + ((I_6 + x)^{\wedge 2} + (b_{12}/2 - b_{13})^{\wedge 0.5} + a \text{ (if } b_{12}/2 > b_{13} \text{ and } W_a > b_{13+} b_{12}/2)$ 

 $= \quad b_{13} + b_{12}/2 \ ((l_6 + x)^{2} + (b_{12}/2 - b_{13})^{0.5} + a \ (if \ b_{12}/2 > b_{13} \ and \ W_a < b_{13+} \ b_{12}/2)$  $\mathsf{A}_{\mathsf{ST}}$ 

Minimum operating clearance = 10% of  $A_{ST}$ 

(VDI standard = 200 mm BITA recommendation = 300 mm)

= load lengths

= load width  $b_{12} \\$ 

### MAST AND CAPACITY INFORMATION



### H18XDS9 / H18XD9 RATED CAPACITY KG @ 900 MM LOAD CENTRE

	Lift	Lowered height h <sub>1</sub> (mm)			Free lift	Extended	Dual F v	unction Side Shift & Fork Positiong ca vithout ZERO IN-TO-IN forkpositioning	arriage g
	height h <sub>3</sub> (mm)		height h <sub>2</sub> (m)	height h4 (mm)	Capacity @ 900 mm load centre (kg)	Mast tilt (forward/backward) (°)	Capacity @ 1.200 mm load centre (kg)		
	3,750	3,692	0	5,517	18,000	10 / 12	16,000		
볼	4,650	4,142	0	6,417	18,000	10 / 12	16,000		
	5,400	4,517	0	7,167	18,000	10 / 12	16,000		
STAGE	6,200	4,917	0	7,967	17,880	10 / 12	15,840		
2 S	6,700	5,167	0	8,467	17,700	10 / 12	15,640		
	7,000	5,317	0	8,767	17,600	10 / 12	15,520		

### H20XDS9 / H20XD9 RATED CAPACITY KG @ 900 MM LOAD CENTRE

	Lift	Lowered height h <sub>1</sub> (mm)					Free lift	Extended	Dual F v	unction Side Shift & Fork Positiong ca vithout ZERO IN-TO-IN forkpositioning	arriage g
	height h₃ (mm)		height h <sub>2</sub> (m)	height h4 (mm)	Capacity @ 900 mm load centre (kg)	Mast tilt (forward/backward) (°)	Capacity @ 1.200 mm load centre (kg)				
	3,750	3,780	0	5,605	20,000	10 / 12	18,000				
퓜	4,650	4,650 4,230 0 6,505		6,505	20,000	10 / 12	18,000				
	5,400	4,605	0	7,255	20,000	10 / 12	18,000				
STAGE	6,200	5,005	0	8,055	20,000	10 / 12	17,820				
2 S	6,700	6,700 5,255 0 8,555		19,940	10 / 7	17,620					
	7,000	5,405	0	8,855	19,680	10 / 7	17,500				

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) Centre of drive axle to front face of forks
- Unladen with new tyres
- Full suspension seat in depressed position
- Distance centre truck to centre of internal turning radius
- (13) Weights are based on the following specifications: Complete truck with cab, pneumatic tyres, mast as specified, carriage as specified

All capacities are according to EN1551.

### MAST TABLE:

#) Note: Carriage with ZERO IN-TO-IN forkpositioning not recommended in combination with lift heights above 6200 mm



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

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.

Hyster trucks are designed to meet ANSI B56.1 section 7.29 and ISO 6055 for overhead guard / operator cabin which are specifically developed for powered industrial trucks. operator teams within all specimens, developed to in power and industrial tasks. These standards specify the requirements and testing of overhead guards, operators' legs and feet protection, roll-over protection system (ROPS) and falling-object protection system (FOPS) for any type of high lift, rider operated, powered industrial truck.

Specification data is based on VDI 2198.

## > H18XDS9 / H18XD9 / H20XDS9 / H20XD9 SPECIFICATIONS

	1-1	Manufacturer			HYS		HYS			STER	HYS	
	1-2	Model designation			H18X	DS9	H18	XD9	H20XDS9		H20	XD9
┛╛	1-3	Powertrain / drivetrain			Die	sel	Die	sel	Die	esel	Die	sel
8	1-4	Operator type			sea	ted	sea	ted	sea	nted	sea	ted
GENERAL	1-5	Load capacity at load center, nominal	Q	kg	18,0		18,	000		000	20,	
	1-6	Load centre distance	С	mm	90	0	90	00	9	00	90	00
	1-8	Load distance	х	mm	1,1	34	1,1	34	1,	117	1,1	17
	1-9	Wheelbase	у	mm	3,5		3,7	50		500	3,7	50
星星	2-1	Service weight		kg	27,6		27,			030	28,	
WEIGHT	2-2	Axle loading with load, front / rear		kg	42,338	3,331	41,681	3,371	46,343	3,687	45,474	3,384
3	2-3	Axle loadinwithout load, front / rear		kg	13,878	13,791	13,918	13,134	14,817	15,214	14,716	14,143
	3-1	Tyre type			Pneur		Pneu			matic	Pneu	
Ŋ	3-2	Tyre size, front			14.00 - 2		14.00 - 2			24 24PR	14.00 - 2	
WHEELS	3-3	Tyre size, rear			14.00 - 2		14.00 - 2			24 24PR	14.00 - 2	
▋₹	3-5	Wheels, number front / rear (x = driven wheels)			x 4	2	x 4	2	x 4	2	x 4	2
ľ	3-6	Tread, front	b <sub>10</sub>	mm	2,0		2,0			)95	2,0	
I —	3-7	Tread, rear	b <sub>11</sub>	mm	2,1		2,1			108	2,1	
	4-1	Mast tilt, forward / backward	α/β	deg	10°	12°	10°	12°	10°	12°	10°	12°
	4-2	Height, mast lowered (1)	h <sub>1</sub>	mm	4,1		4,1			230	4,2	
	4-3	Free lift	h <sub>2</sub>	mm	0		(			0	(	
	4-4	Lift (2)	h <sub>3</sub>	mm	4,5		4,5			550	4,5	
	4-5	Height, mast extended	h <sub>4</sub>	mm	6,4		6,4			505	6,5	
	4-7	Cab height (open cab)	h <sub>6</sub>	mm	3,4		3,4			101	3,4	
	4-7-1	Height of overhead guard (closed cab)	h <sub>6</sub>	mm	3,4		3,4			128	3,4	
	4-7-2	Height of overhead guard (closed cab w/ airco)	h <sub>6</sub>	mm	3,4		3,4			128	3,4	
	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h <sub>6</sub>	mm	3,5		3,5			525	3,5	
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h <sub>6</sub>	mm	3,5	17	3,5	77	3,	577	3,5	577
	4-7-5	Height of overhead guard (closed cab w/ airco & strobe light)	h <sub>6</sub>	mm	3,5	55	3,5	55	3,	555	3,5	555
	4-8	Seat height relating to SIP (3)	h <sub>7</sub>	mm	2,2	04	2,2	04	2,3	204	2,2	.04
	4-12	Coupling height	h <sub>10</sub>	mm	90	7	90	)7	907		907	
SS	4-19	Overall length	l <sub>1</sub>	mm	7,9	75	8,2	25	7,9	958	8,2	.08
	4-20	Length to face of forks (4)	l <sub>2</sub>	mm	5,5	35	5,7	85	5,!	518	5,7	68
昌昌	4-21	Overall width	b <sub>2</sub>	mm	2,923		2,923		2,923		2,9	123
DIMENSIONS	4-22	Fork dimensions ISO 2331	s/e/l	mm	100 20	0 2,440	100 20	0 2,440		50 2,440	100 20	00 2,440
	4-23	Fork carriage type			Dual Fur Side Fork Pos QD f	shift itioning	Dual Fu Side Fork Pos QD f	shift	Side Fork Po	inction - eshift sitioning forks	Fork Pos	shift
8	4-24	Fork carriage width	b <sub>3</sub>	mm	2,6	72	2,6	72	2,9	940	2,9	40
	4-25	Distance over fork arms, minimum / maximum	b <sub>5</sub>	mm	998	2,443	998	2,443	1,047	2,762	1,047	2,762
8	4-30	Sideshift @ width over forks	b <sub>8</sub>	mm	+/-361	1,721	+/-361	1,721	+/-429	1,904	+/-429	1,904
8	4-31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	29		29			70	27	
8	4-32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	37		37			74		74
8	4-33	Load dimension b <sub>12</sub> × l <sub>6</sub> crossways		mm	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
8		Aisle width, without operating clearance	Ast	mm	8,4		8,7			151	8,7	
8		Aisle width, with 200 mm operating clearance	Ast	mm	8,6			84		351		167
S		Aisle width, with 10% operating clearance	Ast	mm	9,3			62		296		44
8	4-35	Outside turning radius	Wa	mm	4,9			50		934	5,2	
1-	4-36 5-1	Internal turning radius (6)	b <sub>13</sub>	mm km/h	1,8	25		32 25		25	2,0	25
8		Travel speed, with / without load			25		25		25		25	
ш	5-2 5-2-1	Lifting speed, with / without load backwards Lifting speed, with 70% load		m/s m/s	0.30	0.33	0.45 0.4	0.50 47	0.25 0	0.28 27	0.38	0.42 40
PERFORMANCE	5-2-1	Lowering speed with / without load		m/s	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Z	5-5	Drawbar pull - 1.6 km/h   1 mph, with / without load		kN	162	165	162	165	161	164	161	164
문	5-5-1	Drawbar pull - 1.0 killyii   1 llipii, with / without load		kN	200	203	200	203	199	203	199	203
	5-7	Gradeability - 1.6 km/h   1 mph, with / without load (7)		%	39	33	39	34	35	32	36	34
	5-7-1	Gradeability - stall, with / without load (7)		%	50	33	51	34	44	32	46	34
ğ	5-9	Acceleration time, with / without load		sec	On re		On re			quest		quest
A COL			7557A	200	01170		01110	95501975	OII TO	4400.	On it	42000

Centre of drive axle to front face of forks

<sup>(1)</sup> Centre of three sale of the centre of the cen

궁 1-1 Manufacturer				
A 1-1 Manufacturer			HYSTER	
Handle Ha			H18-20XD	
1-3 Powertrain / drivetr	ain		Diesel	
7-1 Engine manufacture	er / model		Mercedes / OM936	
7-1a EPA / CE complianc	e		Stage V	
7-2 Engine power outpu	it according to ISO 1585	kW	180	
7-2-1 Engine power output	ıt - Peak	kW	180	
7-3 Rated speed		min <sup>-1</sup>	1,800	
7-3 Rated speed 7-3-1 Engine torque @rpn	n (1/min)	Nm/min <sup>-1</sup>	1,000 @ 1200-1600	
7-4 Number of cylinders	s / displacement	# / cm <sup>3</sup>	6 / 7,698	
7-8 Alternator output		Amps	100	
7-9 Electrical system vo	oltage	V	24	
7-10 Battery voltage, rate	ed capacity	V / Ah	24 / 102	
8-1 Drive control / Trans	smission	Type / #	Torque Converter	
		Type / # Type / #	Torque Converter  ZF - 5WG211	
8-2 Transmission manuf			·	
8-2 Transmission manuf	acturer / type	Type / #	ZF - 5WG211	
8-2 Transmission manual 8-4 Transmission speed 8-5 Coupling	acturer / type	Type / # #	ZF - 5WG211 5/3	
8-2 Transmission manual 8-4 Transmission speed 8-5 Coupling	acturer / type s forward / backward	Type / # # Type	ZF - 5WG211 5 / 3 Torque Converter	
8-2 Transmission manual 8-4 Transmission speed 8-5 Coupling 8-6 Wheel drive / drive	acturer / type s forward / backward	Type / # # Type Type / #	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H	
8-2 Transmission manut 8-4 Transmission speed 8-5 Coupling 8-6 Wheel drive / drive 8-11 Service brake	acturer / type s forward / backward	Type / # # Type Type / # Type / # Type	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc	
8-2 Transmission manut 8-4 Transmission speed 8-5 Coupling 8-6 Wheel drive / drive 8-11 Service brake	s forward / backward axle manufacturer / type	Type / # # Type Type / # Type / # Type	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc	
8-2 Transmission manut 8-4 Transmission speed 8-5 Coupling 8-6 Wheel drive / drive 8-11 Service brake 8-12 Parking brake	s forward / backward  axle manufacturer / type  for attachments	Type / # # Type Type / # Type Type Type Type	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle	
8-2 Transmission manut 8-4 Transmission speed 8-5 Coupling 8-6 Wheel drive / drive 8-11 Service brake 8-12 Parking brake  10-1 Operating pressure 10-2 Oil volume for attac 10-3 Hydraulic tank capa	for attachments  for attachments	Type / # # Type Type / # Type Type Type Type	ZF - 5WG211 5/3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle	
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## FEATURES AND OPTIONS <

Hydraulic power steering

Yes / Pin



PERFORMANCE	STD	ОРТ
Mercedes OM936 7.7L Stage V diesel engine: Rated/peak power 180kW / 241hp	Х	
Heavy duty air intake	Х	
Raised air intake - pre-filter		Х
Hydrodynamic 5-speed ZF WG211 transmission	Х	
Axle Tech PRC1756W3H drive axle with oil-immersed brakes	Х	
DRIVE	STD	0PT
Travel speed limiter - unconditional and customer adjustable - pre-set to 16km/h		Х
14.00 - 24 24 Pneumatic bias drive and steer tyres	Х	
14.00 - 24 Solid drive and steer tyres		Х
14.00 - R24 Michelin XZM radial drive and steer tyres		Х
14.00 - R24 Trelleborg radial drive and steer tyres		Х
Spare wheels and tyres		Х
LIFT	STD	ОРТ
2 stage non-free lift mast	Х	
Mast tilt 10° forward / 12° back	Х	
Mast tilt 10° forward / 10° back		Х
Mast tilt 10° forward / 6° back		Х
Mast tilt 10° forward / 7° back		Х
Mast tilt 10° forward / 9° back		Х
Mast tilt 5° forward / 5° back		Х
Tilt indicator, mechanically acting		Х
Hydraulic accumulator		Х
	1	

10-5 Steering design

10-8 Towing coupling, model / type

HANDING	OTD	ODT
HANDLING	STD	OPT
2680mm Pin type dual function sideshift carriage with simultaneous and independent fork positioner (H18XD)		Х
2680mm Hook type dual function sideshift carriage with simultaneous and independent fork positioner (H18XD) $$	х	
2940mm Pin type dual function sideshift carriage with simultaneous and independent fork positioner (H20XD)		Х
2940mm Hook type dual function sideshift carriage with simultaneous and independent fork positioner (H20XD) $$	х	
2680mm Hook type sideshift carriage with individual fork positioner with 1 auxiliary function (H18XD) $$		Х
2940mm Hook type sideshift carriage with individual fork positioner with 1 auxiliary function (H20XD)		Х
1200mm Hook type quick disconnect coil ram		Х
1800mm Hook type quick disconnect coil ram		Х
200x100x2440 mm Hook type forks capacity 18.000kg @ 900mm LC	Х	
200x100x2135 mm Pin type forks capacity 18.000kg @ 900mm LC		Х
200x100x2440 mm Pin type forks capacity 18.000kg @ 900mm LC		Χ
250x100x2440 mm Hook type forks capacity 20.000kg @ 900mm LC	Х	
200x100x1525 mm Pin type forks capacity 20.000kg @ 750mm LC		Х
200x100x1830 mm Pin type forks capacity 20.000kg @ 900mm LC		Х
250x100x2135 mm Pin type forks capacity 20.000kg @ 900mm LC		Х
250x100x2440 mm Pin type forks capacity 20.000kg @ 900mm LC		Х
Tyre handler - TH20K167 integral		Х
Tyre handler - TH20K167 hang-on		Х

## > FEATURES AND OPTIONS

ERGONOMICS  Open operating module as overhead guard		
Open operating module as overhead quard	STD	<b>OPT</b>
, ,	Χ	
Enclosed operator cabin with heating		Χ
Enclosed operator cabin with automatic climate control		Х
Manual cab tilt	Х	
Electrically powered cab tilt		X
Diesel fueled cab heater  H two double blode wines on front windeersen		X
H-type double blade wiper on front windscreen  I-type single blade wiper on front windscreen	Х	^
Heated rear window		Х
Heated top and rear window		X
Heated top window		Х
Top window with armoured glass	Χ	
Top window with armoured glass and additional steel bars		Х
Tinted top cabin window		Х
Tinted cabin windows - applied to all windows		Χ
Wire mesh operator guard		Х
Vertical steel bar front screen guard		Х
Plexiglass shield in front of front window		Х
Armoured glass rain top		Х
Wire mesh installed on top of operator compartment		X
2 sun visors for front window		X
Top and rear screen roller sunshade		X
Mechanical suspension cloth seat	v	Х
Mechanical suspension vinyl seat  Air suspension cloth seat	Х	Х
Air suspension vinyl seat		X
Deluxe air suspension cloth seat		X
Deluxe air suspension heated cloth seat		X
Deluxe air ride full suspension vinyl with high backrest seat		X
Deluxe air suspension seat with cloth cover, heating and ventilation		Х
High and adjustable seat backrest		Х
Leftside armrest on operator seat	Χ	
Lateral sliding mechanism for operator seat		Х
Hi-vis red 2 point seat belt	Χ	
Hi-vis red 3 point seat belt		Χ
Trainer seat with cloth cover and 2-point high-visibility seatbelt		Х
Steering wheel with spinner knob	Χ	
7" integrated performance display	Χ	
Accessory mounting bracket on A pillar		
Accessory mounting bracket on A-pillar		X
Document holder		Χ
Document holder Radio preparation with 2 speakers and antenna		X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna		Χ
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light	X	X X X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna		X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light		X X X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection	X	X X X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY	X	X X X X OPT
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY 2 external mirrors on cab handrail mounted exterior wide angle mirrors	X	X X X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY	X X STD	X X X X OPT
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY  2 external mirrors on cab handrail mounted exterior wide angle mirrors 2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator &	X	X X X X OPT
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY  2 external mirrors on cab handrail mounted exterior wide angle mirrors 2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights	X X STD	X X X X X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection  VISIBILITY  2 external mirrors on cab handrail mounted exterior wide angle mirrors 2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights  2 LED work lights mast mounted, 2 LED drive lights with position and	X X STD	X X X X OPT X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY  2 external mirrors on cab handrail mounted exterior wide angle mirrors 2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights	X X STD	X X X X X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY  2 external mirrors on cab handrail mounted exterior wide angle mirrors 2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights 2 LED work lights mast mounted, 2 LED drive lights with position and direction front fender mounted, 2 LED work lights on rear of operator compartment / LED rear ward cluster with stop, tail, indicator & reverse lights	X X STD	X X X X OPT X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY  2 external mirrors on cab handrail mounted exterior wide angle mirrors 2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights 2 LED work lights mast mounted, 2 LED drive lights with position and direction front fender mounted, 2 LED work lights on rear of operator compartment / LED rear ward cluster with stop, tail, indicator & reverse lights 4 halogen work lights cab mounted, 2 halogen drive lights with position	X X STD	X X X X OPT X
Document holder Radio preparation with 2 speakers and antenna Bluetooth radio with 2 speaker and antenna Interior dome light Reading light Recirculation fan Steer axle with wheel nut protection VISIBILITY  2 external mirrors on cab handrail mounted exterior wide angle mirrors 2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights 2 LED work lights mast mounted, 2 LED drive lights with position and direction front fender mounted, 2 LED work lights on rear of operator compartment / LED rear ward cluster with stop, tail, indicator & reverse lights 4 halogen work lights cab mounted, 2 halogen drive lights with position and direction front fender mounted, 2 halogen work lights on rear of	X X STD	X X X X OPT X
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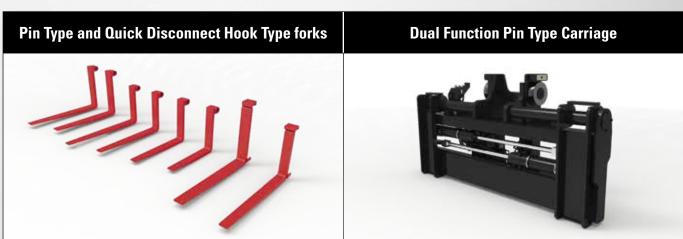
OPERATION	STD	ОРТ
Electrical horn	Х	
Audible reverse alarm	Х	
Audible alarm - forward / reverse		Х
Amber strobe light - ignition activated	Х	
Rear-facing cab mounted blue LED spotlight - reverse activated		Х
Forward camera mounted on outer mast		Х
Forward camera mounted on carriage		Х
Park brake - manual	Х	
Park brake - automatic		Х
Truck start – key switch with start button – without seatbelt interlock	Х	
Truck start – key switch with start button and seatbelt interlock		Х
Operator password in display - required for truck start		Х
Directional lever		Х
MONOTROL™		Х
Directional control on mini-levers	Х	
Directional control on joystick		Х
Automatic truck shutdown with timer		Х
Delayed engine shutdown for turbo cooldown		Х
Air-conditioning shut-off with open door		Х
Tyre pressure monitoring system		Х
Load weight indicator		Х
Engine oil level on display and dipstick		Х
Engine oil level on display	Х	
Low coolant level indicator on digital operator display	Х	
Coolant level sight glass on reservoir		Х
Power distribution panel with fuses partially replaced by electric		х
circuit breakers		
Hydraulic load weighing system		X
Rear radar object detection system		X
Fire resistant hydraulic fluid		X
2 front / 2 rear lifting eyes		X
Greasing base truck		X
Automatic greasing system for base truck and outer mast		X
Centralized greasing system top end mast		X
Mud guards front and rear		X
Mud guards front and rear		X
Lockable fuel cap		Х
Non-kockable fuel cap	X	· · ·
Stainless steel strainer in fuel neck		Х
Hyster Tracker wireless monitoring	X	V
Hyster Tracker wireless access		X
Hyster Tracker wireless verification		X
Fleet Management charge		X
DC/DC 24/12V converter with 1 power sockets and 2 USB outlets		X
DC/DC 24/12V converter with 2 power sockets and 2 USB outlets		X
Jump start connector to battery		X
Engine block heater 230V		X
Hydraulic temperature protection		X
APPEARANCE	STD	OPT
Hyster yellow paint base truck	X	
Replace yellow with 1 colour		X
Outside of cab painted special color		Х
Complete cab painted special colour		Х
Wheel rim side view painted same colour as base truck		Х
Counterweight hazard warning stripes		Х
SUPPLEMENTAL	STD	0PT
Literature pack		Х
CE certification		Х
24 months / 4000 hours extended warranty	Х	
12 months / 2,000 hours manufacturers warranty		Х

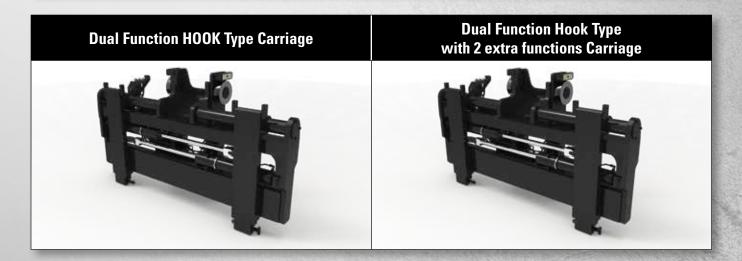
<sup>\*</sup>Standard or optional in selected markets or models. Other options available through Special Products Engineering Department (SPED). Contact Hyster for details.

### FRONT END EQUIPMENT <









### STRONG PARTNERS. TOUGH TRUCKS." FOR DEMANDING OPERATIONS, EVERYWHERE.

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Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your material handling needs so you can focus on the success of your business today and in the future.





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