



H18-20XD SERIES TECHNICAL GUIDE

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## **DIMENSIONS**

## MAST AND CAPACITY INFORMATION

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

	Lift	Lowered	Free lift	Extended	Dual	Function Side Shift & Fork Positiong carr without ZERO IN-TO-IN forkpositioning	iage
	height h <sub>3</sub> (mm)	height h <sub>1</sub> (mm)	height h <sub>2</sub> (m)	height h <sub>4</sub> (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
ب	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
2 STAGE NFL	6,200	4,917	0	7,967	17,880	10 / 12	15,840
2	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	Free lift	Extended	Dual	Function Side Shift & Fork Positiong carr without ZERO IN-TO-IN forkpositioning	riage
		height h <sub>3</sub> (mm)	height h <sub>1</sub> (mm)	height h <sub>2</sub> (m)	height h <sub>4</sub> (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
	.	4,650	4,230	0	6,505	20,000	10 / 12	18,000
i i		5,400	4,605	0	7,255	20,000	10 / 12	18,000
CTARE		6,200	5,005	0	8,055	20,000	10 / 12	17,820
6	4	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
- (2) Unladen with new tyres
- (3) Bottom of forks
- (4) Full suspension seat in depressed position
- (7) 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.

(8) 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

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

#### MAST TABLE:

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

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.

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.

= Centre of gravity of unladen truck

= Minimum operating clearance = 10% of A<sub>ST</sub>

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

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

=  $b_{13} + b_{12}/2$  (( $l_6+x$ ) $^2 + (b_{12}/2-b_{13})^{0.5} + a$  (if  $b_{12}/2 > b_{13}$  and  $W_a < b_{13+}b_{12}/2$ )

 $A_{ST} = W_a + x + I_6 + a \text{ (if } b_{12}/2 < b_{13}\text{)}$ 

load lengths

 $b_{12}$  = load width

# ► H18XDS9 / H18XD9 / H20XDS9 / H20XD9 SPECIFICATIONS

	1-1	Manufacturer			HYS	TER	HYS	TER	HYS	TER	HYS	ΓER
	1-2	Model designation			H18X	DS9	H18	XD9	H20X	DS9	H20)	(D9
Ι.	1-3	Powertrain / drivetrain			Die	sel	Die	sel	Die	sel	Die	sel
N N	1-4	Operator type			seat	ted	sea	ted	sea	ted	seat	ed
GENERAL	1-5	Load capacity at load center, nominal	Q	kg	18,0	000	18,0	000	20,0	000	20,0	00
	1-6	Load center distance	С	mm	90	0	90	00	90	10	90	0
	1-8	Load distance (1)	х	mm	1,1	34	1,1	34	1,1	17	1,1	17
	1-9	Wheelbase	у	mm	3,5	00	3,7	50	3,5	00	3,7	50
	2-1	Service weight (13)		kg	27,6	69	27,0	052	30,0	030	28,8	58
Ĭ	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
	2-3	Axle loading without load, front / rear		kg	13,878	13,791	13,918	13,134	14,817	15,214	14,716	14,143
	3-1	Tyre type			Pneun	natic	Pneui	natic	Pneur	matic	Pneur	natic
	3-2	Tyre size, front			14.00 - 2	4 24PR	14.00 - 2	24 24PR	14.00 - 2	24 24PR	14.00 - 2	4 24PR
ES	3-3	Tyre size, rear			14.00 - 2	4 24PR	14.00 - 2	24 24PR	14.00 - 2	24 24PR	14.00 - 2	4 24PR
WHEELS	3-5	Wheels, number front / rear (x = driven wheels)			x 4	/ 2	x 4	/ 2	x 4	/ 2	x 4	/ 2
	3-6	Tread, front	b <sub>10</sub>	mm	2,0	95	2,0	95	2,0	95	2,0	95
	3-7	Tread, rear	b <sub>11</sub>	mm	2,1	08	2,1	08	2,1	08	2,1	08
	4-1	Mast tilt, forward / backward	α/β	deg	10° /	12°	10° /	′ 12°	10° /	12°	10° /	12°
	4-2	Height, mast lowered (2)	h <sub>1</sub>	mm	4,1	42	4,1	42	4,2	30	4,2	30
	4-3	Free lift	h <sub>2</sub>	mm	0		(	)	С	)	0	
	4-4	Lift (3)	h <sub>3</sub>	mm	4,5	50	4,5	50	4,5	50	4,5	50
	4-5	Height, mast extended	h <sub>4</sub>	mm	6,4	17	6,4	17	6,5	05	6,5	05
	4-7	Cab height (open cab)	h <sub>6</sub>	mm	3,4	01	3,4	01	3,4	01	3,4	01
	4-7-1	Height of overhead guard (closed cab)	h <sub>6</sub>	mm	3,4	28	3,4	28	3,4	28	3,4	28
	4-7-2	Height of overhead guard (closed cab w/ airco)	h <sub>6</sub>	mm	3,4	28	3,4	28	3,4	28	3,4	28
	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h <sub>6</sub>	mm	3,5	25	3,5	25	3,5	25	3,5	25
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h <sub>6</sub>	mm	3,5	77	3,5	77	3,5	77	3,5	77
	4-7-5	Height of overhead guard (closed cab w/ airco & strobe light)	h <sub>6</sub>	mm	3,5	55	3,5	55	3,5	55	3,5	55
	4-8	Seat height relating to SIP (4)	h <sub>7</sub>	mm	2,2	04	2,2	04	2,2	04	2,2	04
	4-12	Coupling height	h <sub>10</sub>	mm	90	7	90	17	90	17	90	7
2	4-19	Overall length	I <sub>1</sub>	mm	7,9	75	8,2	25	7,9	58	8,2	08
	4-20	Length to face of forks	l <sub>2</sub>	mm	5,5	35	5,7	85	5,5	18	5,7	68
DIMENSIONS	4-21	Overall width	b <sub>2</sub>	mm	2,9	23	2,9	23	2,9	23	2,9	23
-	4-22	Fork dimensions ISO 2331	s/e/l	mm	100 / 200		100 / 200		100 / 250		100 / 200	
	4-23	Fork carriage type			Dual Function Fork Pos QD fo	n - Sideshift itioning orks	Dual Function Fork Pos QD f	n - Sideshift itioning orks	Dual Functio Fork Pos QD f			
	4-24	Fork carriage width	b <sub>3</sub>	mm	2,6		2,6		2,9		2,9	
	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
	4-30	Sideshift @ width over forks	b <sub>8</sub>	mm	+/-361	1,721	+/-361	1,721	+/-429	1,904	+/-429	1,904
	4-31	Ground clearance, laden, below mast	m <sub>1</sub>	mm	29		29		27		27	
	4-32	Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	37		37		37		37	
		Load dimension b <sub>12</sub> × I <sub>6</sub> crossways	A - 4	mm	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
		Aisle width, without operating clearance	Ast	mm	8,4		8,7		8,4		8,7	
		Aisle width, with 200 mm operating clearance	Ast	mm	8,6 9,3		8,9 9,6		8,6		8,9 9,6	
3		Aisle width, with 10% operating clearance	Ast	mm					9,2			
8	4-35 4-36	Outside turning radius Internal turning radius (8)	W <sub>a</sub>	mm	4,9: 1,8:		5,2 2,0		4,9 1,8		5,2 2,0	
	5-1	Travel speed, with / without load	D13	mm km/h	25	25	25	25	25	25	25	25
8	5-1 5-2	Lifting speed, with / without load backwards		m/s	0.30	0.33	0.45	0.50	0.25	0.28	0.38	0.42
ğ		Lifting speed, with 70% load		m/s	0.30		0.43		0.23		0.30	
岁	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
W W	5-5	Drawbar pull - 1.6 km/h   1 mph, with / without load		kN	162	165	162	165	161	164	161	164
PERFORMANCE	5-5-1	Drawbar pull - stall, 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
9	5-9	Acceleration time, with / without load		sec	On red		On re		On red		On red	
No.			42000			-	21110					

<sup>(1)</sup> Centre of drive axle to front face of forks
(2) Unladen with new tyres

# POWERTRAINS <

<u>.</u>	1-1	Manufacturer			HYSTER
GENERAL	1-2	Model designation			H18-20XD
	1-3	Powertrain / drivetrain			Diesel
	7-1	Engine manufacturer / model			Cummins / QSB 6.7
	7-1A	EPA / CE compliance			Stage IIIA
	7-2	Engine power output according to ISO 1585		kW	164
Į	7-2-1	Engine power output - Peak		kW	172
ENGINE	7-3	Rated speed		min <sup>-1</sup>	2,000
	7-3-1	Engine torque @rpm (1/min)		Nm/min <sup>-1</sup>	949 @ 1400
ļ	7-4	Number of cylinders / displacement		# / cm <sup>3</sup>	6 / 6,690
Ļ	7-8	Alternator output		Amps	120
Ļ	7-9	Electrical system voltage		V	24
Ì	7-10	Battery voltage, rated capacity		V / Ah	24 / 102
	8-1	Drive control / Transmission		Type / #	Torque Converter
	8-1 8-2	Transmission manufacturer / type		Type / # Type / #	Torque Converter ZF - 5WG211
				***	
URIVE	8-2	Transmission manufacturer / type		Type / #	ZF - 5WG211
DRIVE	8-2 8-4	Transmission manufacturer / type Transmission speeds forward / backward		Type / # #	ZF - 5WG211 5/3
URIVE	8-2 8-4 8-5	Transmission manufacturer / type Transmission speeds forward / backward Coupling		Type / # # Type	ZF - 5WG211 5 / 3 Torque Converter
DRIVE	8-2 8-4 8-5 8-6	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type		Type / #  Type Type / #	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H
DRIVE	8-2 8-4 8-5 8-6 8-11	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake		Type / #  # Type Type / # Type	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc
DRIVE	8-2 8-4 8-5 8-6 8-11	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake Parking brake Operating pressure for attachments		Type / #  # Type Type / # Type	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc
DRIVE	8-2 8-4 8-5 8-6 8-11 8-12	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake Parking brake		Type / # # Type Type / # Type Type / # Type Type	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle
DRIVE	8-2 8-4 8-5 8-6 8-11 8-12	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake Parking brake Operating pressure for attachments		Type / # # Type Type / # Type Type Type Type bar	ZF - 5WG211 5/3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle
	8-2 8-4 8-5 8-6 8-11 8-12 10-1 10-2	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake Parking brake  Operating pressure for attachments Oil volume for attachments		Type / # # Type Type / # Type Type Type Type bar	ZF - 5WG211 5/3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle
MISC	8-2 8-4 8-5 8-6 8-11 8-12 10-1 10-2 10-3	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake Parking brake  Operating pressure for attachments Oil volume for attachments Hydraulic tank capacity		Type / # # Type Type / # Type Type Type Type bar	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle  225 100 203
	8-2 8-4 8-5 8-6 8-11 8-12 10-1 10-2 10-3 10-4	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake Parking brake  Operating pressure for attachments Oil volume for attachments Hydraulic tank capacity Fuel tank capacity	LpAZ	Type / # # Type Type / # Type Type Type Type bar	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle  225 100 203 303
MISC	8-2 8-4 8-5 8-6 8-11 8-12 10-1 10-2 10-3 10-4 10-5	Transmission manufacturer / type Transmission speeds forward / backward Coupling Wheel drive / drive axle manufacturer / type Service brake Parking brake  Operating pressure for attachments Oil volume for attachments Hydraulic tank capacity Fuel tank capacity Steering design	LpAZ LwAZ	Type / # # Type Type / # Type Type Type Type Type I   I   I   I   I   I   I   I   I   I	ZF - 5WG211 5 / 3 Torque Converter Axle Tech PRC1756W3H Oil immersed disc Dry disc on drive axle  225 100 203 303 Hydraulic power steering

## FEATURES AND OPTIONS



PERFORMANCE	STD	<b>OPT</b>
Cummins QSB 6.7L Stage IIIA diesel engine 164 KW @ 1.800 rpm, 949 Nm @ 1.400 rpm	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	<b>OPT</b>
Travel speed limiter - unconditional and customer adjustable - pre-set to 16km/h		Χ
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	0P1
2 stage non-free lift mast	Х	
Mast tilt 10° forward / 12° back	Χ	
Mast tilt 10° forward / 10° back		Χ
Mast tilt 10° forward / 6° back		Х
Mast tilt 10° forward / 7° back		Χ
Mast tilt 10° forward / 9° back		Χ
Mast tilt 5° forward / 5° back		Χ
Tilt indicator, mechanically acting		Χ
Hydraulic accumulator		Χ
Pressure compensated lowering	Х	

HANDLING	STD	<b>OPT</b>
2680mm Pin type dual function sideshift carriage with simultaneous and independant fork positioner (H18XD)		Х
2680mm Hook type dual function sideshift carriage with simultaneous and independant fork positioner (H18XD)	Х	
2940mm Pin type dual function sideshift carriage with simultaneous and independant fork positioner (H20XD)		Х
2940mm Hook type dual function sideshift carriage with simultaneous and independant 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)		Χ
1200mm Hook type quick disconnect coil ram		Χ
1800mm Hook type quick disconnect coil ram		Χ
200x100x2440 mm Hook type forks capacity 18.000kg @ 900mm LC	Χ	
200x100x2135 mm Pin type forks capacity 18.000kg @ 900mm LC		Χ
200x100x2440 mm Pin type forks capacity 18.000kg @ 900mm LC		Χ
250x100x2440 mm Hook type forks capacity 20.000kg @ 900mm LC	Χ	
200x100x1525 mm Pin type forks capacity 20.000kg @ 750mm LC		Χ
200x100x1830 mm Pin type forks capacity 20.000kg @ 900mm LC		Χ
250x100x2135 mm Pin type forks capacity 20.000kg @ 900mm LC		Χ
250x100x2440 mm Pin type forks capacity 20.000kg @ 900mm LC		Χ
Tyre handler - TH20K167 integral		Χ
Tyre handler - TH20K167 hang-on		Х
ERGONOMICS	STD	<b>OPT</b>
Open operating module as overhead guard	Χ	
Enclosed operator cabin with heating		Х

<sup>(3)</sup> Bottom of forks

<sup>(4)</sup> Full suspension seat in depressed position

<sup>(7)</sup> 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.

<sup>(8)</sup> 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

## FRONT END EQUIPMENT

# > FEATURES AND OPTIONS

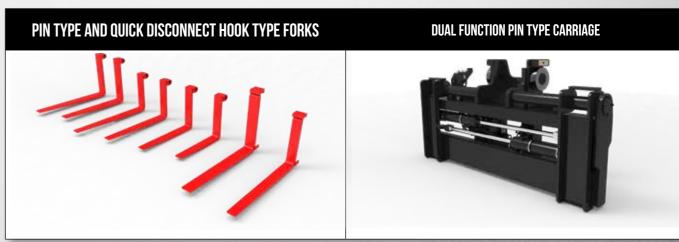
ERGONOMICS (continued)	STD	-
Enclosed operator cabin with automatic climate control  Manual cab tilt	Х	X
Electrically powered cab tilt	^	Х
Diesel fueled cab heater		X
H-type double blade wiper on front windscreen		X
I-type single blade wiper on front windscreen	Χ	
Heated rear window		Х
Heated top and rear window		X
Heated top window	V	X
Top window with armoured glass Top window with armoured glass and additional steel bars	Х	X
Tinted top cabin window		X
Tinted cabin windows - applied to all windows		X
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 Mechanical suspension vinyl seat	X	X
Mechanical suspension vinyl seat Air suspension cloth seat	^	X
Air suspension clour seat Air suspension vinyl seat		<u> </u>
Deluxe air suspension cloth seat		X
Deluxe air suspension heated cloth seat		X
Deluxe air ride full suspension vinyl with high backrest seat		Χ
Deluxe air suspension seat with cloth cover, heating and		Х
ventilation High and adjustable seat backrest		Х
Leftside armrest on operator seat	Х	
Lateral sliding mechanism for operator seat		Х
Hi-vis red 2 point seat belt	Χ	
Hi-vis red 3 point seat belt		Х
Trainer seat with cloth cover and 2-point high-visibility seatbelt		Х
Steering wheel with spinner knob	Χ	
7" integrated performance display	Х	L.,
Accessory mounting bracket on A-pillar		X
Document holder Radio preparation with 2 speakers and antenna		X
Bluetooth radio with 2 speakers and antenna		X
Interior dome light	Х	
Reading light		Х
Recirculation fan		Х
Steer axle with wheel nut protection	Χ	
VISIBILITY	STD	0P1
2 external mirrors on cab handrail mounted exterior wide		Х
angle mirrors		_^
2 halogen work lights mast mounted, 2 halogen drive lights with position and direction, front fender mounted, 2 halogen	v	
work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights	Χ	
CIUSCEI WILLI SLUD, LAII, IIIUICALUI CLIEVEISE IIUIILS		
		x
2 LED work lights mast mounted, 2 LED drive lights with		^
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		
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		
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		Х
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 operator compartment / LED rear ward cluster		Х
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 operator compartment / LED rear ward cluster with stop, tail, indicator & reverse lights 4 LED work lights cab mounted, 2 LED drive lights with position		х
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 operator compartment / LED rear ward cluster with stop, tail, indicator & reverse lights 4 LED work lights cab mounted, 2 LED drive lights with position and direction front fender mounted, 2 LED work lights on rear		x
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 operator compartment / LED rear ward cluster with stop, tail, indicator & reverse lights  4 LED work lights cab 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,		
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 operator compartment / LED rear ward cluster with stop, tail, indicator & reverse lights 4 LED work lights cab 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 2 HP LED work lights on front mast with 2 on rear and front		Х
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OPERATION	STD	OP.
Electrical horn	Х	
Audible reverse alarm	Х	
Audible alarm - forward / reverse		X
Amber strobe light - ignition activated	X	
Rear-facing cab mounted blue LED spotlight - reverse activated		Х
Forward camera mounted on outer mast		Х
Forward camera mounted on carriage	ļ.,	X
Park brake - manual	X	
Park brake - automatic Truck start – key switch with start button – without seatbelt	<b>-</b>	X
interlock	X	
Truck start – key switch with start button and seatbelt interlock		Х
Operator password in display - required for truck start		Х
Directional lever		X
MONOTROL™ D:	- V	X
Directional control on mini-levers	X	v
Directional control on joystick Automatic truck shutdown with timer	+	X
Delayed engine shutdown for turbo cooldown	+	X
Air-conditioning shut-off with open door	1	X
Tyre pressure monitoring system		Х
Load weight indicator		Х
Engine oil level on display and dipstick		Х
Engine oil level on display	X	_
Low coolant level indicator on digital operator display	X	,,
Coolant level sight glass on reservoir Power distribution panel with fuses partially replaced by		X
electric circuit breakers	1	
Hydraulic load weighing system	+	X
Rear radar object detection system 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	1	X
Centralized greasing system top end mast		Х
Mud guards front and rear		Х
Mud guards front and rear		Х
Lockable fuel cap	ļ.,	X
Non-kockable fuel cap	X	
Stainless steel strainer in fuel neck Hyster Tracker wireless monitoring	- v	X
Hyster Tracker wireless monitoring  Hyster Tracker wireless access	X	Х
Hyster Tracker wireless access  Hyster Tracker wireless verification	+	X
Fleet Management charge	1	X
DC/DC 24/12V converter with 1 power sockets and 2 USB outlets		Х
DC/DC 24/12V converter with 2 power sockets and 2 USB		Х
outlets Jump start connector to battery	+	Х
Engine block heater 230V	+	X
Hydraulic temperature protection	1	X
APPEARANCE	STD	0P
Hyster yellow paint base truck	Х	
Replace yellow with 1 colour		Х
Outside of cab painted special color	_	X
Complete cab painted special colour	+	X
Wheel rim side view painted same colour as base truck	+	X
Counterweight hazard warning stripes	CTD	
SUPPLEMENTAL	STD	OP'
Literature pack CE certification	+	X
GE CERTIFICATION		<u> </u>
24 months / 4000 hours extended warranty	X	ı

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

Contact Hyster for details.







# HYSTER® DEALERS





Contact your local Hyster Dealer

### **HYSTER PACIFIC**

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