



H18-20XD SERIES TECHNICAL GUIDE

WWW.HYSTER.COM







= Centre of gravity of unladen truck \bullet

- $A_{ST} = W_a + x + I_6 + a$ (if $b_{12}/2 < b_{13}$)
- $= W_a + ((I_6+x)^{\wedge 2} + (b_{12}/2 b_{13})^{\wedge 0.5} + a \text{ (if } b_{12}/2 > b_{13} \text{ and } W_a > b_{13+} b_{12}/2)$ A_{ST}
- $= b_{13} + b_{12}/2 \ ((I_6 + x)^{\wedge 2} + (b_{12}/2 b_{13})^{\wedge 0.5} + a \ (if \ b_{12}/2 > b_{13} \ and \ W_a < b_{13+} \ b_{12}/2)$ Ast = Minimum operating clearance = 10% of A_{ST} а
- (VDI standard = 200 mm BITA recommendation = 300 mm) = load lengths
- I_6 b₁₂ = load width

H18XDS9 / H18XD9 RATED CAPACITY KG @ 900 MM LOAD CENTRE

	Lift	Lowered	Free lift	Extended	Dual	Dual Function Side Shift & Fork Positiong carriage without ZERO IN-TO-IN forkpositioning			
	height h₃ (mm)	height h1 (mm)	height h ₂ (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		
	4,650	4,142	0	6,417	18,000	10 / 12	16,000		
JE NF	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	Dual Function Side Shift & Fork Positiong carriage without ZERO IN-TO-IN forkpositioning				
	height h ₃ (mm)	height height h h ₃ (mm) h ₁ (mm) h	height h ₂ (m)	height h ₄ (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			
STAGE NFL	5,400	4,605	0	7,255	20,000	10 / 12	18,000			
STAG	6,200	5,005	0	8,055	20,000	10 / 12	17,820			
2	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			

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

MAST AND CAPACITY INFORMATION <



MAST TABLE:

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

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.

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.

H18XDS9 / H18XD9 / H20XDS9 / H20XD9 SPECIFICATIONS

	1-1	Manufacturer				STER		TER		TER	HYS	
	1-2	Model designation			-	KDS9	-	XD9		(DS9	H20)	
-	1-3	Powertrain / drivetrain				esel	Die		Die		Diesel seated	
GENERAL	1-4	Operator type	0			ated		ited	sea			_
GE	1-5	Load capacity at load center, nominal	Q	kg		000		000	20,0		20,0	
	1-6	Load center distance	С	mm		00		00	90		90	_
	<u>1-8</u> 1-9	Load distance (1) Wheelbase	X	mm		134 500	3,7	34	1,1		1,1 3,7	
	2-1	Service weight (13)	У	mm		669		50 052		000	28,8	_
NT.	2-1	Axle loading with load, front / rear		kg	42,338	3,331	41,681	3,371	46,343	3,687	45,474	3,384
3	2-2	Axle loading without load, front / rear		kg kg	13,878	13,791	13,918	13,134	14,817	15,214	45,474 14,716	14,143
	3-1	Tyre type		кy		matic		matic	Pneu		Pneur	
	3-2	Tyre size, front				24 24PR		24 24PR	14.00 - 1		14.00 - 2	_
S	3-3	Tyre size, rear				24 24PR		24 24PR	14.00 - 1		14.00 - 2	
WHEELS	3-5	Wheels, number front / rear (x = driven wheels)				/ 2	x 4		x 4		x 4	_
>	3-6	Tread, front	b ₁₀	mm)95	2,0		2,0		2,0	
	3-7	Tread, rear	b ₁₁	mm		108		08		08	2,1	
	4-1	Mast tilt, forward / backward	α/β	deg		/ 12°		/ 12°	10° /		10° /	
	4-2	Height, mast lowered (2)	h ₁	mm		142		42	4,2		4,2	30
	4-3	Free lift	h ₂	mm		D	())	C	
	4-4	Lift (3)	h ₃	mm	4,5	550	4,5	50	4,5	i50	4,5	50
	4-5	Height, mast extended	h4	mm	6,4	117	6,4	17	6,5	05	6,5	05
	4-7	Cab height (open cab)	h ₆	mm	3,4	401	3,4	101	3,4	01	3,4	.01
	4-7-1	Height of overhead guard (closed cab)	h ₆	mm	3,4	128	3,4	28	3,4	28	3,4	28
	4-7-2	Height of overhead guard (closed cab w/ airco)	h ₆	mm	3,428		3,4	28	3,4	28	3,428	
	4-7-3	Height of overhead guard (closed cab w/ strobe light)	h ₆	mm	3,5	525	3,525		3,525		3,525	
	4-7-4	Height of overhead guard (closed cab w/ work lights)	h ₆	mm	3,577		3,577		3,577		3,577	
	4-7-5	Height of overhead guard (closed cab w/ airco & strobe light)	h ₆	mm	3,5	555	3,555		3,555		3,555	
	4-8	Seat height relating to SIP (4)	h7	mm	2,2	204	2,204		2,204		2,2	.04
	4-12	Coupling height	h ₁₀	mm	907		907		907		907	
ş	4-19	Overall length	l ₁	mm	7,9	975	8,2	25	7,9	158	8,2	08
ISIO	4-20	Length to face of forks	l ₂	mm	5,5	535	5,7	'85	5,5	i18	5,7	68
DIMENSIONS	4-21	Overall width	b ₂	mm	2,9	323	2,9	123	2,9	123	2,9	23
	4-22	Fork dimensions ISO 2331	s/e/l	mm		0 / 2,440		0 / 2,440	100 / 250 / 2,440		100 / 200	_
	4-23	Fork carriage type			Fork Po	on - Sideshift sitioning forks	Fork Pos	n - Sideshift sitioning orks	Dual Functio Fork Pos QD f	sitionina	Dual Functio Fork Pos QD f	n - Sideshift itioning orks
	4-24	Fork carriage width	b ₃	mm	2,6	372	2,6	572	2,9	40	2,9	40
	4-25	Distance over fork arms, minimum / maximum	b ₅	mm	998	2,443	998	2,443	1,047	2,762	1,047	2,762
	4-30	Sideshift @ width over forks	b ₈	mm	+/-361	1,721	+/-361	1,721	+/-429	1,904	+/-429	1,904
	4-31	Ground clearance, laden, below mast	m1	mm		99		99		70	27	
	4-32	Ground clearance, centre of wheelbase	m ₂	mm	-	74		74		74	37	
	4-33	Load dimension b ₁₂ × I ₆ crossways		mm	2,400	2,400	2,400	2,400	2,400	2,400	2,400	2,400
	4-34-1-2		Ast	mm		168		/84	8,4		8,7	
		Aisle width, with 200 mm operating clearance	Ast	mm		68		184		i51	8,9	
	4-34-1-3	Aisle width, with 10% operating clearance Outside turning radius	Ast	mm		315		62 E0		196 124	9,6	
	4-35 4-36	Internal turning radius (8)	Wa	mm mm		334 336		250 132	4,9	134	5,2 2,0	_
	4-30 5-1	Travel speed, with / without load	b ₁₃	km/h	25	25	25	25	25	25	25	25
	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
	5-2-1	Lifting speed, with 70% load		m/s		32	0.45		0.23		0.30	
NCE	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
PERFORMANCE	5-5	Drawbar pull - 1.6 km/h 1 mph, with / without load		kN	162	165	162	165	161	164	161	164
RFO	5-5-1	Drawbar pull - stall, with / without load		kN	200	203	200	203	199	203	199	203
æ	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
	5-9	Acceleration time, with / without load		sec		quest		quest		quest	On re	
1000	(2 Coloradore		-	-		And in case of the local division of the		-				·

(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

ਡ∣	1-1	Manufacturer			HYSTER
GENERAL	1-2	Model designation			H18-20XD
9	1-3	Powertrain / drivetrain			Diesel
	7-1	Engine manufacturer / model			Cummins / QSB 6.7
ĺ	7-1A	EPA / CE compliance			Stage IIIA
ĺ	7-2	Engine power output according to ISO 1585		kW	164
	7-2-1	Engine power output - Peak		kW	172
ENGINE	7-3	Rated speed		min ⁻¹	2,000
E	7-3-1	Engine torque @rpm (1/min)		Nm/min ⁻¹	949 @ 1400
	7-4	Number of cylinders / displacement		# / cm ³	6 / 6,690
	7-8	Alternator output		Amps	120
ļ	7-9	Electrical system voltage		V	24
	7-10	Battery voltage, rated capacity		V / Ah	24 / 102
	8-1	Drive control / Transmission		Type / #	Torque Converter
-	8-2	Transmission manufacturer / type		Type / #	ZF - 5WG211
ŀ	8-4	Transmission manufacturer / type		#	5/3
DRIVE	8-5	Coupling		" Туре	Torque Converter
Ë	8-6	Wheel drive / drive axle manufacturer / type		Type / #	Axle Tech PRC1756W3H
ŀ	8-11	Service brake		Туре	Oil immersed disc
ŀ	8-12	Parking brake		Туре	Dry disc on drive axle
-				190	
	10-1	Operating pressure for attachments		bar	225
Ì	10-2	Oil volume for attachments		l/m	100
Ì	10-3	Hydraulic tank capacity		I	203
ပ္က	10-4	Fuel tank capacity		I	303
MISC	10-5	Steering design			Hydraulic power steering
ľ	10-7	Sound pressure level at the driver's seat	LpAZ	dB (A)	76.0
ĺ	10-7-1	Sound pressure level at the driver's seat	LwAZ	dB	107.3
1	10-8	Towing coupling, model / type			Yes / Pin
-					

Interface HystER 12 Model designation H1820XD 13 Powertain / drivetain Disel 14 Engine manufacturer / model Curmnins / QSB 6.7 14 Engine manufacturer / model Stage II.A 72 Engine power output according to ISO 1585 KW 73 Engine power output according to ISO 1585 KW 74 Engine power output - Peak KW 73 Engine torque Gring from (1/min) Nummin - 74 Number of cylinders / displacement # / cm³ 74 Number of cylinders / displacement # / cm³ 74 Number of cylinders / displacement # / cm³ 74 Number of cylinders / displacement # / cm³ 74 Drive control / Transmission Type / # 74 Drive control / Transmission meufacturer / type Type / # 74 Drive control / Transmission meufacturer / type Type / # 75 Ecquing Type / # Torque Converter 76 Coupling Type / # Acle Tech PRC1756W3H						
Provention / Universam Disser 7-1 Engine manufacturer / model Cummins / OSB 6.7 7-1A EPA / CE compliance Stage IIIA 7-2 Engine power output according to ISO 1595 kW 7-3 Read speed min ⁻¹ 7-3 Engine power output according to ISO 1595 kW 7-3 Engine power output according to ISO 1595 kW 7-4 Index dynamics Min ⁻¹ 7-3 Engine power output - Peak kW 7-4 Index dynamics Min ⁻¹ 7-4 Number of cylinders / displacement # / cm ² 7-4 Internation output Amps 7-10 Battery voltage, rated capacity V 7-10 Battery voltage, rated capacity V / Ah 7-10 Battery voltage, rated capacity V / Ah 7-11 Battery voltage, rated capacity V / Ah 7-24 Engine power dy / backward # 8-1 Drive control / Transmission Transmission manufacturer / type 8-2 Transmission speeds forward / backwar	=	1-1	Manufacturer			HYSTER
Provention / Universam Disser 7-1 Engine manufacturer / model Cummins / OSB 6.7 7-1A EPA / CE compliance Stage IIIA 7-2 Engine power output according to ISO 1595 kW 7-3 Read speed min ⁻¹ 7-3 Engine power output according to ISO 1595 kW 7-3 Engine power output according to ISO 1595 kW 7-4 Index dynamics Min ⁻¹ 7-3 Engine power output - Peak kW 7-4 Index dynamics Min ⁻¹ 7-4 Number of cylinders / displacement # / cm ² 7-4 Internation output Amps 7-10 Battery voltage, rated capacity V 7-10 Battery voltage, rated capacity V / Ah 7-10 Battery voltage, rated capacity V / Ah 7-11 Battery voltage, rated capacity V / Ah 7-24 Engine power dy / backward # 8-1 Drive control / Transmission Transmission manufacturer / type 8-2 Transmission speeds forward / backwar	ENER	1-2	Model designation			H18-20XD
P-1A EPA CE compliance Image: CE compliance Stage IIIA 7-2 Engine power output according to ISO 1585 KW 164 7-2 Engine power output -Peak KW 172 7-3 Retad speed min ⁻¹ 2,000 7-3.1 Engine power output -Peak KW 172 7-3 Engine torque @rpm (1/min) Nm/min ⁻¹ 949 @ 1400 7-4 Number of cylinders / displacement # / cm ³ 6 / 6.699 7-8 Alternator output Amps 120 7-9 Electrical system voltage V 24 / 102 7-10 Battery voltage, rated capacity V / Ah 24 / 102 Fransmission manufacturer / type 8-1 Drive control / Transmission Type / # Torque Converter 8-2 Transmission speeds forward / backward # # 8-4 Transmission speeds forward / backward # # 8-5 Oupling Type / # Akl Torque Converter 8-6 Wheel drive / drive ade manufacturer / type Type / # Akl Torage Converter 8-6 Wheel drive / drive ade manufacturer / type Type / # Akl Torage Converter 8-7 Operating pressure for attachments M <td>5</td> <td>1-3</td> <td>Powertrain / drivetrain</td> <td></td> <td></td> <td>Diesel</td>	5	1-3	Powertrain / drivetrain			Diesel
P-1A EPA CE compliance Image: CE compliance Stage IIIA 7-2 Engine power output according to ISO 1585 KW 164 7-2 Engine power output -Peak KW 172 7-3 Retad speed min ⁻¹ 2,000 7-3.1 Engine power output -Peak KW 172 7-3 Engine torque @rpm (1/min) Nm/min ⁻¹ 949 @ 1400 7-4 Number of cylinders / displacement # / cm ³ 6 / 6.699 7-8 Alternator output Amps 120 7-9 Electrical system voltage V 24 / 102 7-10 Battery voltage, rated capacity V / Ah 24 / 102 Fransmission manufacturer / type 8-1 Drive control / Transmission Type / # Torque Converter 8-2 Transmission speeds forward / backward # # 8-4 Transmission speeds forward / backward # # 8-5 Oupling Type / # Akl Torque Converter 8-6 Wheel drive / drive ade manufacturer / type Type / # Akl Torage Converter 8-6 Wheel drive / drive ade manufacturer / type Type / # Akl Torage Converter 8-7 Operating pressure for attachments M <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
P2 Engine power output according to ISO 1585 kW 164 P2 Engine power output - Peak kW 172 P3 Rated speed min ⁻¹ 2.000 P3 Rated speed min ⁻¹ 2.000 P4 Engine torque @trpm (1/min) Nm/min ⁻¹ 949 @ 1400 P4 Number of cylinders / displacement # / cm ³ 6 / 6,690 P4 Atternator output Amps 120 P4 Electrical system voltage V 24 P4 Battery voltage, rated capacity V / Ah 24 / 102		7-1	Engine manufacturer / model			Cummins / QSB 6.7
721 Engline power output - Peak KW 172 73 Rated speed min ⁻¹ 2,000 73 Rated speed min ⁻¹ 2,000 74 Number of cylinders / displacement # / G / 6,600 # 74 Number of cylinders / displacement # / G / 6,600 # 74 Number of cylinders / displacement # / G / 6,600 # 74 Number of cylinders / displacement # / G / 6,600 # 74 Number of cylinders / displacement # / G / 6,600 # 74 Battery voltage, rated capacity V 24 74 Battery voltage, rated capacity V / Ah 24 / 102 Torque Converter 710 Battery voltage, rated capacity V / Ah 24 / 102 Torque converter 92 Transmission manufacturer / type Type / # Torque Converter 94 Transmission speeds forward / backward # # 5 / 3 95 Coupling Type / # Type / # Akle Tach PRC1756W3H 94 Parking brake Type Type / # <td></td> <td>7-1A</td> <td>EPA / CE compliance</td> <td></td> <td></td> <td>Stage IIIA</td>		7-1A	EPA / CE compliance			Stage IIIA
Y-3 Rated speed min ⁻¹ 2.000 Y-3 Engine torque @rpm (1/min) Nm/min ⁻¹ 94.9 @ 1400 Y-4 Number of cylinders / displacement # / cm ³ 6 / 6,690 Y-4 Number of cylinders / displacement # / cm ³ 6 / 6,690 Y-4 Number of cylinders / displacement # / cm ³ 6 / 6,690 Y-4 Number of cylinders / displacement # / cm ³ 6 / 6,690 Y-4 Number of cylinders / displacement # / cm ³ 6 / 6,690 Y-9 Electrical system voltage V 24 Y-9 Battery voltage, rated capacity V / Ah 24 / 102 Y Drive control / Transmission Type / # Torque Converter 92 Transmission speeds forward / backward # 5 / 3 94 Transmission speeds forward / backward # 5 / 3 94 Transmission andfacturer / type Type / # Axle Toch PRC1756W3H 94 Tansmission speeds forward / backward # Torque Converter 94 Parking brake Type / # Axle Toch PRC1756W3H 911 Service brake <td></td> <td>7-2</td> <td>Engine power output according to ISO 1585</td> <td></td> <td>kW</td> <td>164</td>		7-2	Engine power output according to ISO 1585		kW	164
8 73-1 Engine torque @rpm (1/min) Nm/min ⁻ 949 @ 1400 7-4 Number of cylinders / displacement # / cm ³ 6 / 6,590 7-4 Alternator output Amps 120 7-4 Alternator output Amps 120 7-4 Electrical system voltage V 24 7-10 Betroy voltage, rated capacity V / Ah 24 / 102 V 8-1 Drive control / Transmission Type / # Torque Converter 8-2 Transmission manufacturer / type Type / # 2F - 5WG211 8-4 Transmission speeds forward / backward # 5 / 3 8-5 Coupling Type / # Axle Tech PRC1756W3H 8-1 Service brake Type Type / # 8-11 Service brake Type Dil immersed disc 8-11 Parting brake Type Up m Dil immersed disc 8-10 Operating pressure for attachments bar 225 10-1 Operating pressure for attachments I 303 10-2 Otype sure level at the driver's seat		7-2-1	Engine power output - Peak		kW	172
7-4Number of cylinders / displacement# / cm³6 / 6,6907-8Alternator outputAmps1207-9Electrical system voltageV247-10Battery voltage, rated capacityV / Ah24 / 102VYPrive control / TransmissionType / #Torque Converter8-1Drive control / TransmissionType / #Orique Converter8-2Transmission naufacturer / typeType / #8-4Transmission speeds forward / backward#5 / 38-4Transmission speeds forward / backward#5 / 38-5CouplingType / #Adke Tech PRC1756W3H8-11Service brakeTypeType / Ø912Parking brakeTypeDir dumersed disc914Operating pressure for attachmentsMer22592Oil volume for attachmentsI2039310-1Qorating pressure for attachmentsI9410-3303195Steering designI30396Steering designHydraulic power steering97Sound pressure level at the driver's seatLpAZdB (A)98107.3Steering design107.3	N.	7-3			min ⁻¹	2,000
7-8 Alternator output Amps 120 7-9 Electrical system voltage V 24 7-10 Battery voltage, rated capacity V / Ah 24/102 Prive control / Transmission 8-1 Drive control / Transmission Type / # Torque Converter 8-2 Transmission manufacturer / type Type / # ZF - 5WG211 8-4 Transmission speeds forward / backward # 5 / 3 8-5 Coupling Type / # Akte Tech PRC1756W3H 8-4 Transmission speeds forward / backward # Type / # 8-4 Service brake Type / # Akte Tech PRC1756W3H 8-5 Coupling Type / # Akte Tech PRC1756W3H 8-11 Service brake Type Oil immersed disc 8-12 Parking brake Type Oil immersed disc 8-12 Oil volume for attachments Vm 100 10-3 Hydraulic tank capacity I 303 10-4 Del tank capacity I 303 10-5 Steering design Hydraulic power steering Hydr	ENG	7-3-1				949 @ 1400
7-9 Electrical system voltage V 24 7-10 Battery voltage, rated capacity V / Ah 24 / 102 8-1 Drive control / Transmission Type / # Torque Converter 8-2 Transmission manufacturer / type Type / # Torque Converter 8-4 Transmission speeds forward / backward # 5 / 3 8-5 Coupling Type / # Torque Converter 8-6 Wheel drive / drive axle manufacturer / type Type / # Axle Tech PRC1756W3H 8-11 Service brake Type / # Axle Tech PRC1756W3H 8-12 Parking brake Type / # Q25 01-1 Operating pressure for attachments bar Q25 01-2 Operating pressure for attachments Vm 100 10-3 Hydraulic tank capacity I 303 10-4 Fuel tank capacity I 303 10-5 Steering design Hydraulic power steering 76.0 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0		7-4	Number of cylinders / displacement		# / cm ³	6 / 6,690
Prior Diffuence operating oper		7-8	Alternator output		Amps	120
8-1 Drive control / Transmission Type / # Torque Converter 8-2 Transmission manufacturer / type Type / # ZF - 5WG211 8-4 Transmission speeds forward / backward # 5 / 3 8-5 Coupling Type / # Axle Tech PRC1756W3H 8-6 Wheel drive / drive axle manufacturer / type Type / # Axle Tech PRC1756W3H 8-11 Service brake Type / # Oil inmersed disc 8-12 Parking brake Type Drive conditioner of the axle 10-1 Operating pressure for attachments Ivpe Vm 10-2 Oil volume for attachments Ivm 100 10-3 Hydraulic tank capacity I 203 10-4 Fuel tank capacity I 303 10-5 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 10-7.1 Sound pressure level at the driver's seat LwAZ dB 107.3		7-9	Electrical system voltage		V	24
8-2 Transmission manufacturer / type Type / # ZF - 5WG211 8-4 Transmission speeds forward / backward # 5 / 3 8-4 Transmission speeds forward / backward # Type / # 8-5 Coupling Type / # Torque Converter 8-6 Wheel drive / drive axle manufacturer / type Type / # Axle Tech PRC1756W3H 8-11 Service brake Type / # Oil immersed disc 8-11 Service brake Type / # Dry disc on drive axle 8-12 Parking brake Type Dry disc on drive axle 8-12 Parking brake Vm Dry disc on drive axle 8-12 Operating pressure for attachments bar 225 10-2 Oil volume for attachments Vm 100 10-3 Hydraulic tank capacity I 203 10-4 Fuel tank capacity I 303 10-5 Steering design HAZ 4B (A) 76.0 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 107.3		7-10	Battery voltage, rated capacity		V / Ah	24 / 102
8-2 Transmission manufacturer / type Type / # ZF - 5WG211 8-4 Transmission speeds forward / backward # 5 / 3 8-4 Transmission speeds forward / backward # Type / # 8-5 Coupling Type / # Torque Converter 8-6 Wheel drive / drive axle manufacturer / type Type / # Axle Tech PRC1756W3H 8-11 Service brake Type / # Oil immersed disc 8-11 Service brake Type / # Dry disc on drive axle 8-12 Parking brake Type Dry disc on drive axle 8-12 Parking brake Vm Dry disc on drive axle 8-12 Operating pressure for attachments bar 225 10-2 Oil volume for attachments Vm 100 10-3 Hydraulic tank capacity I 203 10-4 Fuel tank capacity I 303 10-5 Steering design HAZ 4B (A) 76.0 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 107.3						
8-2 Transmission manufacturer / type Type / # ZF - 5WG211 8-4 Transmission speeds forward / backward # 5 / 3 8-4 Transmission speeds forward / backward # Type / # 8-5 Coupling Type / # Torque Converter 8-6 Wheel drive / drive axle manufacturer / type Type / # Axle Tech PRC1756W3H 8-11 Service brake Type / # Oil immersed disc 8-11 Service brake Type / # Dry disc on drive axle 8-12 Parking brake Type Dry disc on drive axle 8-12 Parking brake Vm Dry disc on drive axle 8-12 Operating pressure for attachments bar 225 10-2 Oil volume for attachments Vm 100 10-3 Hydraulic tank capacity I 203 10-4 Fuel tank capacity I 303 10-5 Steering design HAZ 4B (A) 76.0 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 107.3		0.1	Drive control (Transmission	1	Turne 1.11	Transa Constant
84Transmission speeds forward / backwardImage: speeds forward / backwardImage: speeds forward / backward84CouplingCouplingTypeTypeTorque Converter86Wheel drive / drive axle manufacturer / typeImage: speeds forward / backwardType / #Axle Tech PRC1756W3H8-11Service brakeTypeTypeOli immersed disc8-12Parking brakeTypeTypeDry disc on drive axle8-11Service brakeTypeTypeDry disc on drive axle8-12Parking brakeTypeTypeDry disc on drive axle8-14Operating pressure for attachmentsTypeTypeDry disc on drive axle10-2Oil volume for attachmentsImage: speeds forwardNm10010-3Hydraulic tank capacityImage: speeds forwardImage: speeds forwardNm10-4Fuel tank capacityImage: speeds forwardImage: speeds forwardNm10-5Steering designImage: speeds forwardImage: speeds forwardNm10-7Sound pressure level at the driver's seatLpAZdB (A)T6.010-7.1Sound pressure level at the driver's seatLwAZB107.3			-			
8-5CouplingTypeTypeTorque Converter8-6Wheel drive / drive axle manufacturer / typeType / #Axle Tech PRC1756W3H8-11Service brakeTypeOil immersed disc8-12Parking brakeTypeDry disc on drive axle8-12Parking brakeTypeDry disc on drive axleUnit Operating pressure for attachmentsbar10-1Operating pressure for attachmentsVm22510-2Oil volume for attachmentsVm10010-3Hydraulic tank capacityI20310-4Fuel tank capacityI30310-5Steering designIHydraulic power steering10-7Sound pressure level at the driver's seatLpAZdB (A)76.010-7.1Sound pressure level at the driver's seatLwAZdB107.3						
8-6Wheel drive / drive axle manufacturer / typeType / #Axle Tech PRC1756W3H8-11Service brakeTypeOil immersed disc8-12Parking brakeTypeDry disc on drive axle8-12Parking brakeTypeDry disc on drive axle01-1Operating pressure for attachmentsbar22510-2Oil volume for attachmentsIMar10010-3Hydraulic tank capacityII20310-4Fuel tank capacityI303Hydraulic power steering10-5Steering designLpAZdB (A)76.010-7Sound pressure level at the driver's seatLpAZdB107.3	5					
8-11Service brakeTypeOil immersed disc8-12Parking brakeTypeDry disc on drive axleUry disc on drive axle10-1Operating pressure for attachmentsbar22510-2Oil volume for attachmentsbar22510-3Hydraulic tank capacityI10010-3Hydraulic tank capacityI30310-4Fuel tank capacityI30310-5Steering designIHydraulic power steering10-7Sound pressure level at the driver's seatLpAZdB (A)76.010-7.1Sound pressure level at the driver's seatLwAZdB107.3	E E					· · · · · · · · · · · · · · · · · · ·
B-12 Parking brake Type Dry disc on drive axle I0-1 Operating pressure for attachments bar 225 I0-2 Oil volume for attachments //m 100 I0-3 Hydraulic tank capacity I 203 I0-4 Fuel tank capacity I 303 I0-5 Steering design I Berton I0-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 I0-7.1 Sound pressure level at the driver's seat LwAZ dB 107.3						
10-1 Operating pressure for attachments bar 225 10-2 Oil volume for attachments Vm 100 10-3 Hydraulic tank capacity I 203 10-4 Fuel tank capacity I 303 10-5 Steering design I 303 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 10-7.1 Sound pressure level at the driver's seat LwAZ dB 107.3						
ID-2 Oil volume for attachments I/m ID-3 Hydraulic tank capacity I ID-3 Hydraulic tank capacity I ID-4 Fuel tank capacity I ID-5 Steering design I ID-7 Sound pressure level at the driver's seat LpAZ dB (A) ID-71 Sound pressure level at the driver's seat LwAZ dB		8-12	Parking brake		Туре	Dry disc on drive axle
ID-2 Oil volume for attachments Vm 100 ID-3 Hydraulic tank capacity I 10 ID-3 Hydraulic tank capacity I 203 ID-4 Fuel tank capacity I 303 ID-5 Steering design I Hydraulic power steering ID-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 ID-7.1 Sound pressure level at the driver's seat LwAZ dB 107.3						
10-3 Hydraulic tank capacity 1 203 10-4 Fuel tank capacity 1 203 10-5 Steering design 1 303 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 10-7.1 Sound pressure level at the driver's seat LwAZ dB 107.3		10-1	Operating pressure for attachments		bar	225
10-4 Fuel tank capacity I 303 10-5 Steering design Hydraulic power steering 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 10-71 Sound pressure level at the driver's seat LwAZ dB 107.3		10-2	Oil volume for attachments		l/m	100
10-5 Steering design LpAZ dB (A) Hydraulic power steering 10-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 10-7.1 Sound pressure level at the driver's seat LwAZ dB 107.3		10-3	Hydraulic tank capacity		1	203
10-7 Sound pressure level at the driver's seat LpAZ dB (A) 76.0 10-71 Sound pressure level at the driver's seat LwAZ dB 107.3	ဗ္ဗ	10-4	Fuel tank capacity		1	303
10-7-1 Sound pressure level at the driver's seat LwAZ dB 107.3	Σ	10-5	Steering design			Hydraulic power steering
		10-7	Sound pressure level at the driver's seat	LpAZ	dB (A)	76.0
10-8 Towing coupling, model / type Yes / Pin		10-7-1	Sound pressure level at the driver's seat	LwAZ	dB	107.3
		10-8	Towing coupling, model / type			Yes / Pin

PERFORMANCE	STD	OPT
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	X	
DRIVE	STD	0P1
Travel speed limiter - unconditional and customer adjustable - pre-set to 16km/h		Х
14.00 - 24 24 Pneumatic bias drive and steer tyres	X	
14.00 - 24 Solid drive and steer tyres		X
14.00 - R24 Michelin XZM radial drive and steer tyres		X
14.00 - R24 Trelleborg radial drive and steer tyres		X
Spare wheels and tyres		X
LIFT	STD	0P1
2 stage non-free lift mast	Х	
Mast tilt 10° forward / 12° back	X	
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
		X
Hydraulic accumulator		~



FEATURES AND OPTIONS <

HANDLING	STD	OPT
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)	x	
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		Х
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
ERGONOMICS	STD	OPT
Open operating module as overhead guard	Х	
Enclosed operator cabin with heating		Х

> FEATURES AND OPTIONS

ERGONOMICS (continued)	STD	OPT
Enclosed operator cabin with automatic climate control		Х
Manual cab tilt	Х	
Electrically powered cab tilt Diesel fueled cab heater		X
H-type double blade wiper on front windscreen		X
I-type single blade wiper on front windscreen	Х	
Heated rear window		Х
Heated top and rear window		Х
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		X
Armoured glass rain top		X
Wire mesh installed on top of operator compartment 2 sun visors for front window		X
Top and rear screen roller sunshade		X
Mechanical suspension cloth seat		X
Mechanical suspension vinyl seat	Х	
Air suspension cloth seat		Х
Air suspension vinyl seat		Х
Deluxe air suspension cloth seat		X
Deluxe air suspension heated cloth seat		X
Deluxe air ride full suspension vinyl with high backrest seat		Х
Deluxe air suspension seat with cloth cover, heating and ventilation		X
High and adjustable seat backrest		Х
Leftside armrest on operator seat	Х	
Lateral sliding mechanism for operator seat	V	X
Hi-vis red 2 point seat belt Hi-vis red 3 point seat belt	Х	Х
Trainer seat with cloth cover and 2-point high-visibility seatbelt		x
Steering wheel with spinner knob	Х	
7" integrated performance display	Х	
Accessory mounting bracket on A-pillar		Х
Document holder		X
Radio preparation with 2 speakers and antenna		X
Bluetooth radio with 2 speaker and antenna Interior dome light	Х	Х
Reading light	^	X
Recirculation fan		X
Steer axle with wheel nut protection	Х	
VISIBILITY	STD	OPT
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 work lights on rear of operator compartment / LED rear ward cluster with stop, tail, Indicator & reverse lights	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		х
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		X
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		х
2 HP LED work lights on front mast with 2 on rear and front fenders / brake / tail / back-up lights with turn signals		Х
4 HP LED work lights on cab with 2 on rear and front fenders (LED) / brake / tail / back-up lights with turn signals		Х
Rear mounted colour camera with rear mounted LCD display		Х
Rear mounted colour camera with front mounted LCD display		X
Forward camera mounted on outer mast		X
Forward camera mounted on carriage		

OPERATION	STD	OPT
Electrical horn	X	
Audible reverse alarm	X	
Audible alarm - forward / reverse		X
Amber strobe light - ignition activated	X	
Rear-facing cab mounted blue LED spotlight - reverse activated		X
Forward camera mounted on outer mast		x
Forward camera mounted on carriage		X
Park brake - manual	X	
Park brake - automatic		X
Truck start – key switch with start button – without seatbelt interlock	X	
Truck start – key switch with start button and seatbelt interlock		Х
Operator password in display - required for truck start		X
Directional lever		X
MONOTROL™		X
Directional control on mini-levers	X	
Directional control on joystick		X
Automatic truck shutdown with timer		X
Delayed engine shutdown for turbo cooldown		X
Air-conditioning shut-off with open door		X
Tyre pressure monitoring system		X
Load weight indicator		X
Engine oil level on display and dipstick		X
Engine oil level on display	X	
Low coolant level indicator on digital operator display	X	
Coolant level sight glass on reservoir		Х
Power distribution panel with fuses partially replaced by electric circuit breakers		X
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		X
Non-kockable fuel cap	X	
Stainless steel strainer in fuel neck		x
Hyster Tracker wireless monitoring	x	
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		х
Jump start connector to battery		Х
Engine block heater 230V		Х
Hydraulic temperature protection		Х
APPEARANCE	STD	OPT
Hyster yellow paint base truck	X	
Replace yellow with 1 colour		X
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		X
SUPPLEMENTAL	STD	OPT
Literature pack		Х
CE certification		Х
24 months / 4000 hours extended warranty	Х	
12 months / 2,000 hours manufacturers warranty		X

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



PIN TYPE AND QUICK DISCONNECT HOOK TYPE FORKS



DUAL FUNCTION HOOK TYPE CARRIAGE



FRONT END EQUIPMENT

DUAL FUNCTION PIN TYPE CARRIAGE

DUAL FUNCTION HOOK TYPE WITH 2 EXTRA FUNCTIONS CARRIAGE



HYSTER® DEALERS





Contact your local Hyster Dealer

HYSTER PACIFIC

1 Bullecourt Avenue, Milperra NSW, Australia 2214 Tel: +61 (2) 9795 3800 Fax: +61 (2) 9792 8484 hyster.com/pacific/en-au

HYSTER ASIA

16, Tuas Avenue 20, Singapore 638827 Tel: +65 6863 3387 Fax: +65 6863 3349 hyster.com/asia/en-sg

🕂 /Hysterasiapacific 📊 HysterJAPIC 🕟 /Hyster Asia-Pacific

🔡 is a Registered Trademark.

HYSD236

HYSTER is a Registered Trademark. STRONG PARTNERS. TOUGH TRUCKS. EZXCHANGE, HSM and VISTA are trademarks in the United States and certain other jurisdictions. © Hyster Asia Pacific 2020. All rights reserved. Printed in Australia. Specifications and details in this brochure are subject to change without prior notification. Please consult with your Hyster dealer for the most up to date information and to confirm exact capacities. 3990435 Rev. 01-11/20

HYSTER.COM.AU