H28XD-CH & H32XD-CH SERIES

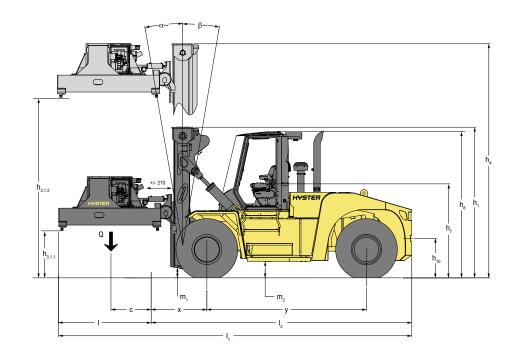


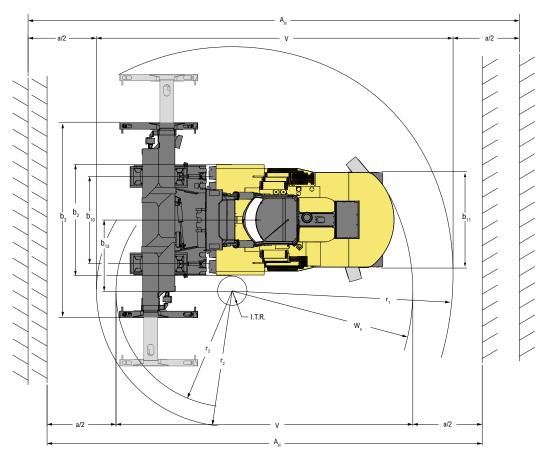
CONTAINER HANDLER PRODUCT TECHNICAL GUIDE



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TRUCK DIMENSIONS





 \bullet = Centre of gravity of unladen truck

A_{st} A_{st} A_{st}

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

H28XD-CH / H32XD-CH SPECIFICATIONS

	1.1	Manufacturer			HYS								
	1.2	Model designation			H28XD-CH	H32XD-CH							
	1.3	Powertrain / drivetrain			Die								
AL	1.4	Operator type	0		Se too								
GENERAL	1.5	Rated capacity / rated load	Q	kg	26,400 24,120	31,000 28,200							
GEI	1.6	Load centre distance	С	mm	1,220								
	1.8	Load distance (1)	Х	mm	95								
	1.9	Wheelbase	У	mm	4,315	4,825							
	1.10.1	Container Stacking Height 9ft 6"			2 h								
		Container Stacking Height 8ft 6"			2 h	-							
GHT	2.1	Service weight (2) Axle loading, laden front / rear		kg	51,553 72,084 5,869	51,806 77,054 5,752							
WEIGHT	2.2 2.3			kg									
-	2.3 3.1	Axle loading, unladen front / rear		kg									
	3.1	Tyres: L = Pneumatic, V = solid, SE = Pneumatic Shape Solid Tyres size, front			Pneumatic 16.00 - 25 32PR								
ΓS	3.3	Tyres size, rear			16.00 - 2								
wheels	3.5	Wheels, number front / rear (x = driven wheels)			x 4								
Μ	3.6	Track width, front	h	mm	2,4								
	3.0	Track width, rear	b ₁₀	mm	2,4								
	3. <i>1</i> 4.1	Mast tilt : forward / backwards	b ₁₁ α/β	deg	6 /								
	4.1	Height of mast lowered (unloaded) (3)	h,	mm	5,6								
	4.2	Free lift	h ₁	mm)							
	4.4	Lift	h ₃	mm	6.1								
	4.4.1	Spreader distance from ground to twistlocks min./max (4)	h ₁₃	mm	1,257								
	4.5	Height of mast extended (unloaded)	h ₄	mm	8,7								
	4.7	Height of overhead guard (open cab)	h ₆	mm	3,4								
		Height of overhead guard (closed cab)	h ₆	mm	3,5								
		Height of overhead guard (closed cab)/	h ₆	mm	3,5								
	-	Height of overhead guard (closed cab w/ strobe light)	h ₆	mm	3,6								
		Height of overhead guard (closed cab w/ work lights)	h ₆	mm	3,6								
	-	Height of overhead guard (closed cab w/ airco & strobe light)	h ₆	mm	3,6								
	4.8	Seat height (Seat Index Point, ISO 5353) (5)	h ₇	mm	2,2								
	4.12	Coupling height	h ₁₀	mm	1,031								
DIMENSIONS	4.19	Overall length	I ₁	mm	8,747	9,257							
NSI	4.20	Length to face of forks	l ₂	mm	6,309	6,819							
ΜE	4.21	Overall width truck	b ₂	mm	3,3	,							
D	4.23	Carriage type	2		Dedicated carriage for								
	4.24	Carriage width	b ₃	mm	3,3								
	4.31	Ground clearance, under mast (w/o load)	m,	mm	22	27							
	4.32	Ground clearance, centre of wheelbase	m ₂	mm	50	02							
	4.33.1	Load size	wxl	mm	20 ft ×	9ft 6"							
	4.34.1.1	Load size	Ast	mm	10,569	11,267							
	_	Aisle width (a=10%)	Ast	mm	9,608	10,243							
	4.34.1.3	Aisle width (a=0)	Ast	mm	9,808	10,443							
	4.33.2	Aisle width (a=200 mm)	w x I	mm	40 ft x								
		Aisle width (a=10%)	Ast	mm	14,981	15,120							
	4.34.2.2	Aisle width (a=0)	Ast	mm	13,619	13,745							
	4.34.2.3	Aisle width (a=200 mm)			13,819	13,945							
	4.35	Outside turning radius	Wa	mm	6,185	6,848							
	4.36	Internal turning radius (6)	b ₁₃	mm	2,589	3,013							
	5.1	Travel speed laden/unladen T3 (7)		km/h	25 /	25							
CE	5.2	Lifting speed laden/unladen 90cc T3		m/s	0.27	0.29							
PERFORMANCE	5.3	Lowering speed laden/unladen		m/s	0.50								
ORI	5.5	Drawbar pull laden/unladen @ 1.6 km/hour T3		kN	196 / 201	195 / 201							
ERF	5.6	Drawbar pull laden/unladen @ stall T3		kN	239 / 244	238 / 243							
Ы	5.7	Gradeability laden/unladen @ 1.6 km/hour T3 (8)		%	27 / 42	25 / 42							
	5.8	Gradeability laden/unladen @ stall T3 (8)		%	33 / 42	31 / 42							
	9.1	Manufacturer / type			ELME								
		Design			Top lift s	-							
	9.2	Design			20' & 40'								
ER	9.2 9.3	Size of containers	feet	•									
EADER	9.2 9.3 9.4	Size of containers Side shift	b _s	mm	+/- :	217							
PREADER	9.2 9.3 9.4 9.5	Size of containers Side shift Pile slope spreader		mm deg	+/- +/- 3.0 / m	217 nechanical							
SPREADER	9.2 9.3 9.4 9.5 9.6	Size of containers Side shift Pile slope spreader Rotation	b _s	mm deg deg	+/- +/- 3.0 / m +/-	217 nechanical 4,5							
SPREADER	9.2 9.3 9.4 9.5	Size of containers Side shift Pile slope spreader	b _s	mm deg	+/- +/- 3.0 / m	217 nechanical 4,5 210							

(1) Centre of drive axle to front face of spreader

(2) Weights are based on the following specifications: Complete truck with cab, pneumatic tyres, mast as specified, carriage as specified and 20' – 40' spreader.
(3) Unladen with new tyres

(4) Spreader, distance from ground to twistlocks.

(5) Full suspension seat in depressed position

(6) Distance centre truck to centre of internal turning radius

(7) Travel speed laden/unladen limited at 25 km/h as factory default

(8) 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.

MAST AND CAPACITY INFORMATION - 28-32T

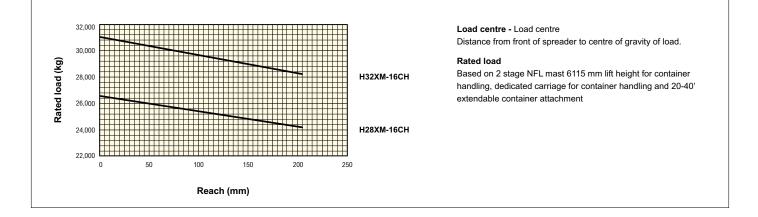
	Stacking height	Lift height h ₃ (mm)	Min. under twistlock h _{3.1.1}	Max. under twistlock	Lowered height h₁	Extended height h₄	Side shift _ b ₈ \	Tilt fwd/bwd (°)	Overall width b_2	Capacity spreader retracted c ₁ @ 1.430 mm	Capacity spreader extended c ₁ @ 1.640 mm
		· /	(mm) ⁿ 3.	n _{3.1.2}	n _{3.1.2}	(mm)	(mm)		(mm)	(kg)	
	2 high 8'6"	6,115	1,239	7,354	5,659	8,716	+/- 216	6/10	3,340	26,400	24,120
STAGE NFL	2 high 9'6"	6,115	1,239	7,354	5,659	8,716	+/- 216	6/10	3,340	26,400	24,120
2 ST NI	3 high 9'6"	9,145	1,239	10,384	7,174	11,746	+/- 216	6/10	3,340	26,300	23,680
	4 high 8'6"	9,755	1,239	10,994	7,479	12,356	+/- 216	6/10	3,340	25,740	23,380

H32XD-CH

		tacking Lift height height (mm)	Min. under twistlock h _{3.1.1} (mm)	Max. under twistlock h _{3.1.2}	Lowered		Side	Tilt	Overall	Capacity spreader retracted	Capacity spreader extended	
	Stacking height				height h₁		h ₄ b ₈		fwd/bwd	width b ₂	c ₁ @ 1.430 mm	c ₁ @ 1.640 mm
					·		(mm)		(mm)	(kg)		
	2 high 8'6"	6,115	1,239	7,354	5,659	8,716	+/- 216	6/10	3,340	31,000	28,200	
STAGE NFL	2 high 9'6"	6,115	1,239	7,354	5,659	8,716	+/- 216	6/10	3,340	31,000	28,200	
N N	3 high 9'6"	9,145	1,239	10,384	7,174	11,746	+/- 216	6/10	3,340	31,000	27,800	
2	4 high 8'6"	9,755	1,239	10,994	7,479	12,356	+/- 216	6/10	3,340	30,640	27,720	

Based on 18.00 - 33 tyre w/o load; radius 880 mm

RATED CAPACITIES



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. All capacities are according to EN1551.

NOTICE:

Care must be exercised when handling elevated loads. Operators must be trained and must read, understand and follow the instructions contained in the Operating Manual.

Safety: Truck with Stage V engine conforms

to the current EU requirements.

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.

CE 5

CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance specifications are for a truck equipped as described under Standard Equipment on this Technical Guide. Performance specifications are affected by the condition of the vehicle and how it is equipped, as well as by the nature, condition of the operating area, proper service and maintenance of the vehicle. If these specifications are critical, the proposed application should be discussed with your dealer.

NOTE: Specifications, unless otherwise listed, are for a standard truck without optional equipment.

Specification data is based on VDI 2198.

POWERTRAINS

Å	1.1	Manufacturer			HYS	TER	
GENERAL	1.2	Model designation			H28XD-CH	H32XD-CH	
GEI	1.3	Power: Battery, Diesel, LPG, Electric mains			Die	sel	
	7.1	Engine manufacturer / model			Cummins / QSB 6.7	Mercedes Benz / OM936	
	7.1.1	EPA / CE Compliance			Stage IIIA / IV	Stage V	
	7.2	Engine output according to ISO 1585		kW@rpm	194	180	
	7.2.1	Max engine output according to ISO 1585		kW@rpm	201	180	
ENGINE	7.3	Rated speed		min-1	2,2	00	
ENG	7.3.1	Torque at 1/min		Nm / min-1	990 @ 1,500	1000 @ 1200-1600	
	7.4	Number of cylinders / displacement		# / cm ³	6 / 6,690	6 / 7,698	
	7.5	Fuel consumption in accordance to VDI		l/h	Ca	all	
	7.8	Alternator		A	120	100	
	7.10	Battery voltage/nominal capacity		V / Ah	24 / 102		
	10.1	Working pressure for attachments		bar	22.5		
	10.2	Oil volume for attachments		l/m	100		
	10.3	Hydraulic oil tank, capacity		I	274		
	10.4	Fuel tank, capacity		l I	364		
MISC	10.4.1	DEF tank, capacity (Stage IV only)		I	38		
Σ	10.5	Steering design		Туре	Hydraulic power steering		
	10.6	Number of steering rotation			6		
	10.7	Sound pressure level at the driver's seat LpAZ EN12053 (1)	Lpaz	dB(A)	Call		
	10.7.1	Sound power level during the workcycle LwAZ EN12053 (2)	Lwaz	dB(A)	Call		
	10.8	Towing coupling, type DIN			Yes /	Pin	
	8.1	Type of drive unit		Туре	Torque C	onverter	
DRIVETRAIN	8.6	Transmission manufacturer / type		Туре	ZF - 5V	VG211	
/ETF	8.4	Wheel drive / drive axle manufacturer / type		#	Axle Tech PRC3806W4H		
DRIV	8.5	Service brake		Туре	Oil immersed disc		
	8.5	Parking brake		Туре	Dry disc on drive axle		

(1) Measured according to the test cycles and based on the weighting values contained in EN12053.

(2) Data available on request, as values are dependent on application

PERFORMANCESTDOPTMercedes 6R1000 7.7L Stage V Diesel Engine: Rated/Peak Power 241hp / 180kWXXCummins QSB 6.7L Stage IIIA / IV Diesel Engine: Rated Power 260hp / 194kW - Peak Power 270hp / 201kWXXZF WG211 5-Speed Transmission with 5 Speeds Forward and 3 Speeds ReverseXXDRIVESTDOPTPneumatic Radial Drive Tyres - Michelin XZM / 16.00-R25XXPneumatic Radial Spare Wheel - Michelin XZM / 16.00-R25XXConditional Travel Speed Limiter pre-set to 10 mph (16km/h) - Adjustable - Based on load weightXXPneumatic Bias Ply Drive Tyres - Continental ContainerMaster / 16.00-25 32PRXXPneumatic Bias Ply Steer Tyres - Continental ContainerMaster / 16.00-25 32PRXXSpare Wheel - Continental ContainerMaster / 16.00-25 32PRXXUFFSTDOPT2 Stage Non Free Lift Mast - 187" (6155mm) Maximum Lift Height - 171" (5660mm) Overall Lowered Lift Height - for 2-high stacking of 916" containers 2 Stage Non Free Lift Mast - 384" (9255mm) Maximum Lift Height - 283" (7145mm) Overall Lowered Lift Height - for 4-high stacking of 916" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 916" containersMast Tit - 6" Forward / 10" BackXXHyster® 812 20-40ft Telescopic SpreaderXPuertion Hose Group (5 Auxiliary)X			
180kWXXCummins QSB 6.7L Stage IIIA / IV Diesel Engine: Rated Power 260hp / 194kW - Peak Power 270hp / 201kWXZF WG211 5-Speed Transmission with 5 Speeds Forward and 3 Speeds ReverseXDRIVESTDOPTPneumatic Radial Drive Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Steer Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Steer Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Spare Wheel - Michelin XZM / 16.00-R25XConditional Travel Speed Limiter pre-set to 10 mph (16km/h) - Adjustable - Based on load weightXPneumatic Bias Ply Drive Tyres - Continental ContainerMaster / 16.00-25 32PRXPneumatic Bias Ply Steer Tyres - Continental ContainerMaster / 16.00-25 32PRXSpare Wheel - Continental ContainerMaster / 16.00-25 32PRX2 Stage Non Free Lift Mast - 187" (6155mm) Maximum Lift Height - 171" (5660mm) Overall Lowered Lift Height - for 2-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9255mm) Maximum Lift Height - 283" (7175mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9256mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9260mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers X <td></td> <td>STD</td> <td>OPT</td>		STD	OPT
194kW - Peak Power 270hp / 201kWXZF WG211 5-Speed Transmission with 5 Speeds Forward and 3 Speeds ReverseXDRIVESTDOPTPneumatic Radial Drive Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Steer Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Spare Wheel - Michelin XZM / 16.00-R25XSteer Wheel Lug Protection RingsXConditional Travel Speed Limiter pre-set to 10 mph (16km/h) - Adjustable - Based on load weightXPneumatic Bias Ply Drive Tyres - Continental ContainerMaster / 16.00-25 32PRXPneumatic Bias Ply Steer Tyres - Continental ContainerMaster / 16.00-25 32PRXSpare Wheel - Continental ContainerMaster / 16.00-25 32PRX2 Stage Non Free Lift Mast - 187" (6155mm) Maximum Lift Height - 171" (5660mm) Overall Lowered Lift Height - for 2-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 364" (9255mm) Maximum Lift Height - 283" (71470mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 386" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers Mast Tilt - 6" Forward / 10" BackXHyster® 812 20-40ft Telescopic SpreaderXXPedicated Carriage Hydraulic Spreader Stop at 30-ft PositionX7 Functions (5 Auxiliary) Hydraulic Control ValveX		Х	
ReverseXDRIVESTDOPTPneumatic Radial Drive Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Steer Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Spare Wheel - Michelin XZM / 16.00-R25XSteer Wheel Lug Protection RingsXConditional Travel Speed Limiter pre-set to 10 mph (16km/h) - Adjustable - Based on load weightXPneumatic Bias Ply Drive Tyres - Continental ContainerMaster / 16.00-25 32PRXPneumatic Bias Ply Steer Tyres - Continental ContainerMaster / 16.00-25 32PRXSpare Wheel - Continental ContainerMaster / 16.00 x 25-32XLIFTSTDOPT2 Stage Non Free Lift Mast - 187" (6155mm) Maximum Lift Height - 171" (5660mm) Overall Lowered Lift Height - for 2-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 283" (7175mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 283" (7480mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 283" (7480mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 283" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 283" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 3 XMast Tilt - 6° Forward / 10° BackXHyster® 812 20-40ft Telescopic SpreaderXDedicated CarriageXXTelescopic Spreader			х
Pneumatic Radial Drive Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Steer Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Spare Wheel - Michelin XZM / 16.00-R25XSteer Wheel Lug Protection RingsXConditional Travel Speed Limiter pre-set to 10 mph (16km/h) - Adjustable - Based on load weightXPneumatic Bias Ply Drive Tyres - Continental ContainerMaster / 16.00-25 32PRXPneumatic Bias Ply Drive Tyres - Continental ContainerMaster / 16.00-25 32PRXSpare Wheel - Continental ContainerMaster / 16.00-25 32PRXSpare Wheel - Continental ContainerMaster / 16.00 x 25-32XLIFTSTDOPT2 Stage Non Free Lift Mast - 187" (6155mm) Maximum Lift Height - 171" (5660mm) Overall Lowered Lift Height - for 2-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9255mm) Maximum Lift Height - 283" (7175mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9260mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 388" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 386" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 386" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 386" (9860mm) Maximum Lift Height - 2		х	
Pneumatic Radial Steer Tyres - Michelin XZM / 16.00-R25XPneumatic Radial Spare Wheel - Michelin XZM / 16.00-R25XSteer Wheel Lug Protection RingsXConditional Travel Speed Limiter pre-set to 10 mph (16km/h) - Adjustable - Based on load weightXPneumatic Bias Ply Drive Tyres - Continental ContainerMaster / 16.00-25 32PRXPneumatic Bias Ply Steer Tyres - Continental ContainerMaster / 16.00-25 32PRXSpare Wheel - Continental ContainerMaster / 16.00 x 25-32XLIFTSTDOPT2 Stage Non Free Lift Mast - 187" (6155mm) Maximum Lift Height - 171" (5660mm) Overall Lowered Lift Height - for 2-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9255mm) Maximum Lift Height - 283" (7175mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9265mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 3-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 384" (9256mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 385" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 385" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 385" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 385" (9860mm) Maximum Lift Height - 295" (7480mm) Overall Lowered Lift Height - for 4-high stacking of 9'6" containers 2 Stage Non Free Lift Mast - 385" (9860mm) Maximum Lift Height - 295" (748	DRIVE	STD	OPT
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7 Functions (5 Auxiliary) Hydraulic Control Valve X	Dedicated Carriage	Х	
	Hydraulic Spreader Stop at 30-ft Position		Х
7 Function Hose Group (5 Auxiliary) X	7 Functions (5 Auxiliary) Hydraulic Control Valve	Х	
	7 Function Hose Group (5 Auxiliary)	Х	

STANDARD EQUIPMENT AND OPTIONS

HANDLING	STD	OPT
Automatic Hydraulic Spreader Stop at 20-40ft Position		Х
Spreader Guides located at end of Spreader End Beams	Х	
Automated One-touch Spreader Extend/Retract (20'-40')		Х
Overlowering Protection		Х
4 Lifting Eyes Located under Centre Beam of Spreader		Х
ERGONOMICS	STD	OPT
Enclosed Operator Cabin with Heating	Х	
Enlosed Operator Cabin with Automatic Climate Control		Х
Automatic Climate Control off with open door		Х
Manual Tilt Operator Compartment for Service Access	Х	
Powered Tilt Operator Compartment for Service Access		Х
Top Window with Armoured Glass (FOPS Certified)	Х	
Top Window with Armoured Glass and Steel Bars (FOPS Certified)		Х
Mechanical Full Suspension Cloth Seat	Х	
Mechanical Full Suspension Vinyl Seat		Х
Air Suspension Seat with Cloth Cover		Х
Air Suspension Seat with Vinyl Cover		Х
Deluxe Air Suspension Seat with Cloth Cover		Х
Deluxe Air Suspension Seat with Vinyl Cover		Х
Deluxe Air Suspension Seat with Cloth Cover and Heating		Х
Deluxe Air Suspension Seat with Cloth Cover, Heating and Ventilation		Х
Seat Belt - High-Visibility (Red) - 2 Point	Х	
Seat Belt - High-Visibility (Red) - 3 Point		Х
High and Adjustable Seat Backrest		Х
Lateral Sliding Mechanism for Operator Seat		Х
I-pattern Wiper on Front Window	Х	
H-pattern Wiper on Front Window		Х
Reading Light		Х

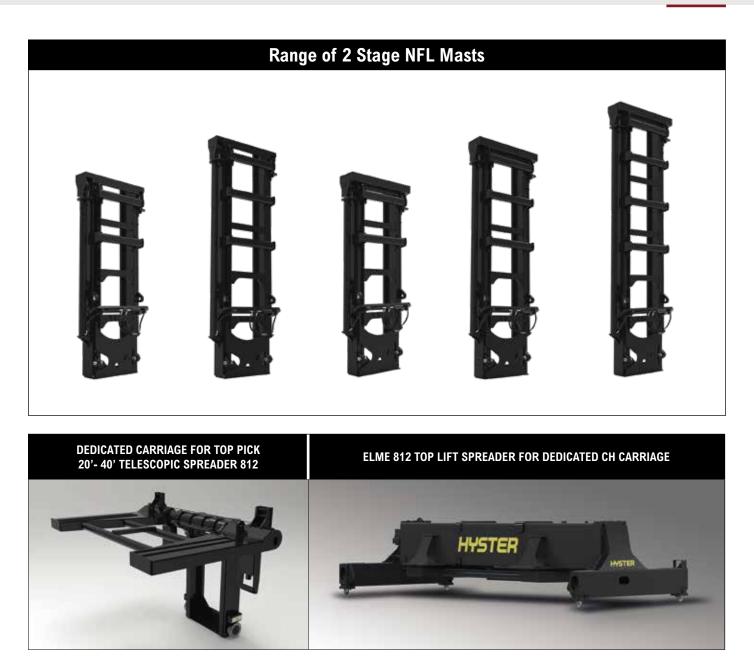
STANDARD EQUIPMENT AND OPTIONS

	070	ODT
ERGONOMICS (continued)	STD	OPT
Sun Roller Screens for Top and Rear Windows 2 Sun Visors for Front Window		X
Radio Preparation with 2 Speakers and Antenna		X
Bluetooth Radio with 2 Speaker and Antenna		X
Heated Top Window		X
Heated Rear Window		X
Heated Top and Rear Window		Х
Trainer Seat with Cloth Cover and 2-point Seatbelt		Х
Recirculation Fan		Х
Sun Roller Screens for Top and Rear Windows		Х
Interior Dome Light	Х	
Dimmable Interior Light		Х
Accessory Mounting Bracket on A-Pillar		Х
Document Holder		Х
7" Integrated Performance Display	Х	
Armrest on Leftside	Х	
Joystick Hydraulic Controls- Non Clamp	Х	
Lever Shift Direction Control - Mounted on Left Hand Side of Steering Column		Х
Directional Control on Joystick	Х	
2 External Wide Angle Mirrors mounted on Cab Handrail	х	
Emergency Hydraulic Stop on Armrest		Х
Tyre Pressure Monitoring System		х
Load Weight Indicator		Х
Performance Modes Selectable in Display	Х	
Coolant level warning on display	Х	
Coolant level warning on display and Sight glass		Х
Preventative Maintenance Reminder		Х
DC/DC 24/12V Converter with 1 Power Socket and 2 USB Outlets		Х
DC/DC 24/12V Converter with 2 Power Sockets and 2 USB Outlets		Х
Audible Alarm - Reverse Direction Activated - Self-Adjusting 82-102 dB(A)	Х	
Amber Strobe Light - Ignition and Switch Activated	Х	
Blue LED Spotlight - Rear - Reverse Direction Activation		Х
VISIBILITY	STD	ОРТ
4 Halogen Work Lights Cab Mounted Front	Х	
4 LED Work Lights Cab Mounted Front		X
4 High Performance LED Work Lights Cab Mounted Front	~	Х
2 Halogen Cab Mounted Rear	Х	X
2 LED Cab Mounted Rear		X
2 High Performance LED Cab Mounted Rear 2 Halogen Drive Lights Front Fenders	Х	^
2 LED Drive Lights Front Fenders	^	Х
2 LED Brive Lights Hold Finders 2 LED Rearward Cluster with Stop, Tail and Reverse Lights	Х	~
Directional Lights on Front Fender and Rear Cluster	X	
OPERATION	STD	OPT
Electronic Horn 105 db(A)	Х	
Air Horn 112 db(A)	~	х
Truck Start - Key Switch - without Seatbelt Interlock		Х
Truck Start - Key Switch - with Seatbelt Interlock		х
Truck Start – Key Switch with Start Button – without Seatbelt Interlock	Х	
Truck Start – Key Switch with Start Button and Seatbelt Interlock		Х
Truck Start – Key Switch with Start Button - with Seatbelt Interlock on Sequence	х	
Operator Password in Display - Required for Truck Start		Х
Tyre Pressure Monitoring System (SPED)		Х
Engine Block Heater - 230V		Х
Fuel Cap - Non Lockable	Х	
Fuel Cap - Lockable		Х
Jump Start Connector to Battery		Х
Park Brake - Manual		
Ded Ded a Alternative	Х	Y
Park Brake - Automatic Hydraulic System Temperature Protection with Performance De-rate	X	X X

OPERATION (continued)	STD	OPT
Automatic Engine Shutdown with Timer	010	X
Travel Speed Limiter - Unconditional and Customer Adjustable - pre-set to		
10mph (16km/h)		х
Delayed engine shutdown for turbo cooldown		Х
Conditional Travel Speed Limiter pre-set to 10 mph (16km/h) - Adjustable -	х	
Based on load weight	~	
Fuses Partially Replaced by Electric Circuit Breakers		Х
Stainless Steel Strainer In Fuel Neck		Х
Hyster Tracker Wireless Monitoring - EMEA	Х	
Hyster Tracker Wireless Verification		Х
Hyster Tracker Wireless Monitoring - Wifi		Х
Hyster Tracker Wireless Access HID Prox Card Reader		Х
Hyster Tracker Wireless Access ISO Prox Card Reader		Х
Hyster Tracker Wireless Access iClass MiFare Prox Card Reader		Х
4 Lifting Eyes - 2 Front and 2 Rear		Х
Automatic Greasing System for Base Truck		Х
Automatic Greasing System for Mast		Х
Automatic Greasing System for Spreader		Х
Centralised Greasing System for Top End Outer Mast		Х
Front and Rear Mud Flaps		Х
Rear View Camera System with Rear-Mounted Display		Х
Rear View Camera System with Front-Mounted Display		Х
Belly Pan		Х
Extra Insulation Kit for Sound and Temperature		Х
Hydraulic Accumulator in Lift Circuit		Х
Visual Mast Tilt Indicator (Mechanical)		Х
Pressure Compensated Lowering		Х
APPEARANCE	STD	OPT
Hyster yellow paint base truck	Х	
Special paint base truck		Х
Operator compartment special paint (outside only)		Х
Hazard warning striping on counterweight		Х
SUPPLEMENTAL	STD	OPT
Literature package and labels		Х
Operator's manual	Х	
CE certification		Х
Warranty: 12 Months / 2,000 Hours Parts manufacturer's warranty		х
Warranty: 24 Months / 4,000 Hours Parts manufacturer's warranty	Х	
Extended Protection Plan 36 Months / 6,000 Hours		х
Extended Protection Plan 60 Months / 10,000 Hours		Х

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

FRONT END EQUIPMENT







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