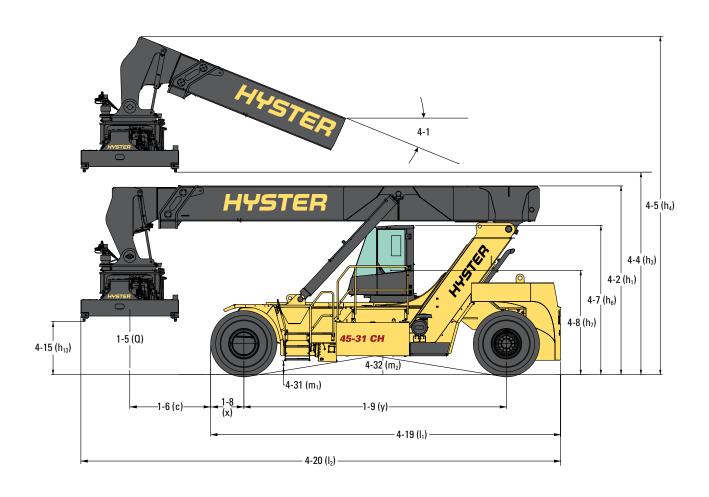
RS45 SERIES



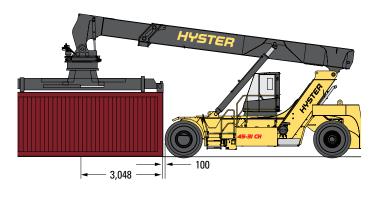
REACHSTACKER PRODUCT TECHNICAL GUIDE

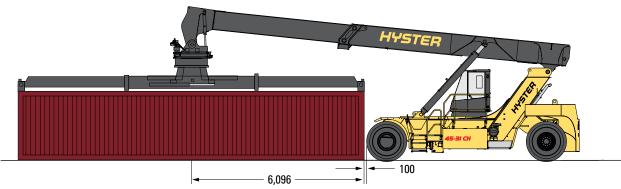


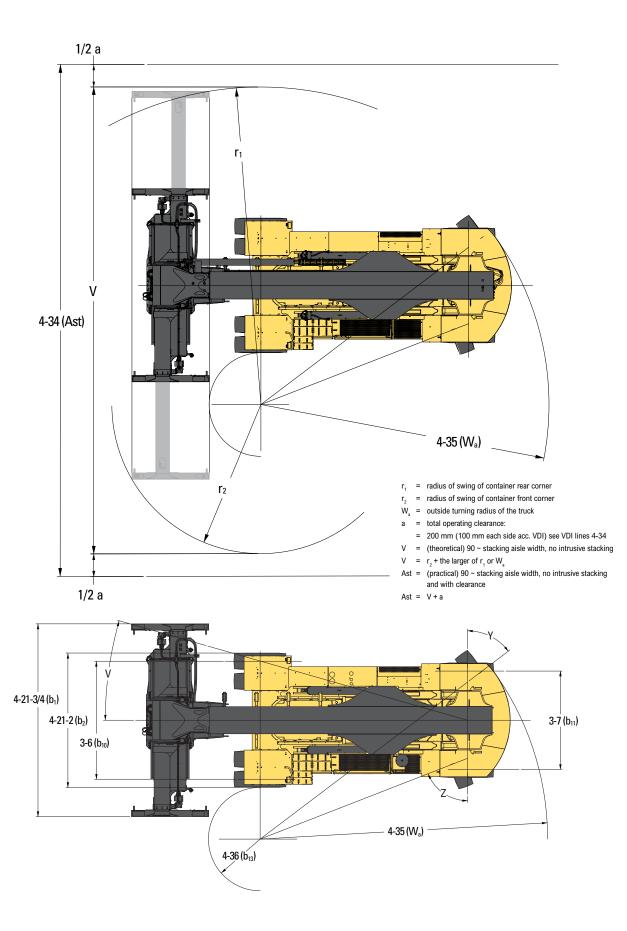


MAXIMUM CAPACITY CONTAINER PICKING END TO END

MODEL	20'	40'		
MODEL	kg	kg		
RS45-27	31,000	12,300		
RS45-31	34,000	15,000		







RS 45-27, RS 45-31 CONTAINER HANDLERS

	1.1	Manufacturer				ЦVO	STER		
	1.2	Model designation			RS45-			i-31CH	
	1.3	Powertrain / drivetrain			N040-			-31CH	
	1.4	Operator type			Diesel Seated				
	1.5.1	Load capacity at load centre distance c,	0	ka	45,000				
	1.5.2		Q ₁	kg	27,000 31,000				
GENERAL	1.5.2	Load capacity at load centre distance c ₂	Q ₂	kg	12,300 15,000				
GEN	1.6.1	Load capacity at load centre distance c ₃ Load centre distance c, (1)	Q ₃	kg	12,			,000	
	1.6.2	Load centre distance $c_1^{(1)}$	C ₁	mm			565 215		
	1.6.3	-	C ₂		3,815 6,315				
	1.8	Load centre distance c ₃ (1) Load distance	C ₃	mm	835				
	1.9	Wheelbase	X	mm	6,500				
	1.10	Stacking height at first row (number x container height)	у	mm #					
	2.1	Service weight			5 x 9' 6"				
WEIGHT	2.2.1	Axle loading with load, front / rear at c,		kg kg	62,300 65,300 93,000 14,300 92,800			17,500	
WEI	2.3.1	Axle loading with load, front / rear at c ₁ Axle loading without load, front / rear at c ₁			31,400	30,900	31,200	34,100	
	3.1			kg	31,400			34,100	
	3.2	Tyre type front/rear Tyre size, front					matic 25 40PR		
S	3.3	Tyre size, rear					25 40PR		
WHEELS	3.5	Number of wheels, front / rear (x = driven wheels)					/2		
3	3.6	Tread, front	h	mm			703		
	3.7	Tread, rear	b ₁₀	mm			060		
	4.1	Boom angle minimum / maximum	b ₁₁	degrees					
	4.2	Height of boom lowered	h ₁	mm	0 / 59 4,700				
	4.4.1	Lift height at load centre c, (2)	h _{3.1}	mm	15,080				
	4.4.2	Lift height at load centre c ₂ (2)	h _{3.2}	mm	13,470				
	4.4.3	Lift height at load centre c_3 (2)	h _{3.3}	mm			320		
	4.5	Height, boom extended	h ₄	mm			110		
	4.7	Height of overhead guard (cabin)	h ₆	mm			720		
	4.8	Seat height to SIP (3)	h ₇	mm			555		
	4.15	Height under twistlock - lowered (2)	h ₁₃	mm			275		
SNS	4.19	Overall length	I ₁	mm			660		
DIMENSIONS	4.20	Overall length including boom retracted		mm			875		
ME	4.21.2	Overall width across all of truck	b ₂	mm			200		
O	4.21.3	Overall width across spreader 20'	b _{1.20}	mm			100		
	4.21.4	Overall width across spreader 40'	b _{1.40}	mm			200		
	4.28	Reach distance	I ₄	mm			310		
	4.31	Ground clearance, lowest point	m ₁	mm			85		
	4.32	Ground clearance, centre or wheelbase	m ₂	mm			37		
	4.34.3	Aisle width: 20' container, reduced / full stroke (4)	Ast ₂₀	mm	12,520 / 11,950				
	4.34.4	Aisle width: 40' container, reduced / full stroke (4)	Ast ₄₀	mm		14,040	/ 13,830		
	4.35	Outside turning radius, reduced / full stroke	Wa	mm	8,990 / 8,450				
	4.36	Internal turning radius, reduced / full stroke	b ₁₃	mm	1,620 / 1,040				
	5.1	Travel speed with / without load	10	km/h	20 / 23				
S	5.2	Lifting speed with / without load		m/s	0.24 / 0.41				
MAN	5.3	Lowering speed with / without load		m/s	0.45 / 0.45				
PERFORMANCE	5.4.1	Telescoping speed 20' - 40'		sec		,	9		
PER	5.5	Drawbar pull - 1 mph (1.6 km/h) with / without load		kN	308	316	305	313	
	5.7	Gradeability - 1 mph (1.6 km/h) with / without load (5)		%	24	38	23	36	

⁽¹⁾ From face of front tyres

⁽²⁾ With Mechanical Pile Slope (MPS). For optional Powered Pile Slope (PPS) function: deduct 310 mm

⁽³⁾ Full suspension seat in depressed position

⁽⁴⁾ Spreader at 8.0 m high, central above front axle; container 0mm in front of tyres; includes 2 x 100 mm clearance; full/reduced stroke steer cylinder (5) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

AL	1.1	Manufacturer			HYSTER
GENERAL	1.2	Model designation			RS45-27/31CH
9	1.3	Powertrain / drivetrain			Diesel
	7.1	Engine manufacturer / model			Cummins / QSL9 227
	7.1a	EPA / CE Tier compliance			Tier 3 / Stage IIIA
	7.2	Engine power output according to ISO 1585		kW	227
	7.2.1	Engine power output . peak		kW	247
ENGINE	7.3	Rated speed		rpm	2,000
ENG	7.3.1	Engine torque @rpm (1/min)		N.m	1,424 @ 1500
	7.4	Number of cylinders / displacement		# / cm ³	6 / 8900
		Turbocharger			Wastegate, air cooled
	7.8	Alternator output		Amps	120
	7.10	Battery voltage, rated capacity		V / Ah	24 / 160
	8.1	Drive control / transmission		Type / #	Hydrodynamic Transmission
	8.2	Transmission manufacturer / type		Type / #	Spicer Off Highway / TE27
ш	8.4	Transmission speeds forward / backward		#	4 / 4
DRIVE	8.5	Coupling		Type	Torque Converter
	8.6	Wheel drive / drive axle manufacturer / type		Type / #	Kessler / D102
	8.11	Service brake		Type	Oil immersed (wet) disc
	8.12	Parking brake		Type	Spring applied, dry disc on drive axle
	9.1	Spreader manufacturer / type		Type / #	Elme / 817
	9.1.1	Pile slope, mechanical without PPS		degrees	3
JER.	9.1.3	Pile slope, total with PPS		degrees	6
SPREADER	9.3	Size of containers		ft	ISO 20' . 40'
SP	9.4	Side shift	b8	mm	+800 / -800
	9.6.1	Rotation angle, without override		degrees	n/a
	9.6.2	Rotation angle, with override		degrees	+185 / -95
	10.3	Hydraulic tank capacity		I	625
U	10.4	Fuel tank capacity		1	830
MISC	10.5	Steering design			Hydrostatic
	10.7	Sound pressure level at driver's seat	Lpaz	dB(A)	78
	10.7.1	Sound power level during the work cycle	Lwaz	dB(A)	109

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 ${\sf Hyster}^{\scriptscriptstyle (\!0\!)}$ truck.

All capacities are according to EN1459.

All specifications and capacities are valid for trucks equipped with a Hyster® container handling spreader for handling ISO containers.

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.

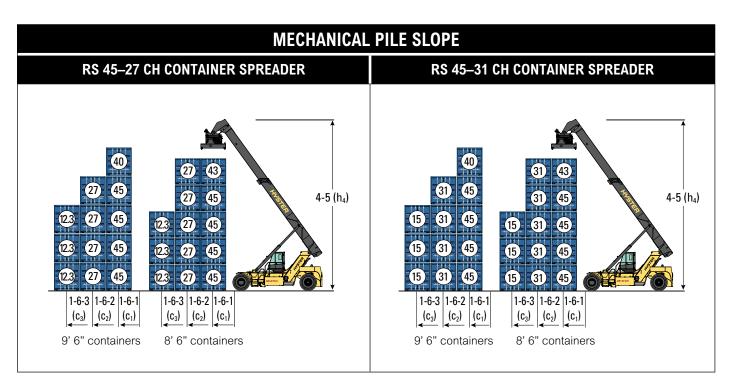
CERTIFICATION: Hyster lift trucks meet the design and construction requirements of B56.1-1969, per OSHA Section 1910.178(a)(2), and also comply with the B56.1 revision in effect at time of manufacture. Certification of compliance with the applicable ANSI standards appears on the lift truck. Performance 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 applications are critical, the proposed specifications are critical. application should be discussed with your dealer.

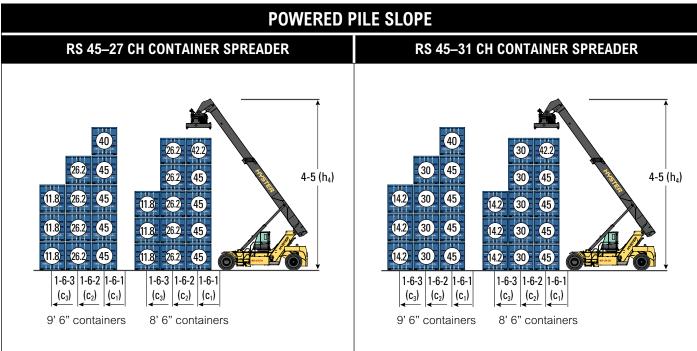
NOTE: Specifications, unless otherwise listed, are for a standard truck without optional equipment.

Specification data is based on VDI 2198.



CE UK Safety: This truck conforms to the current EU requirements.





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.

STANDARD AND OPTIONAL EQUIPMENT

PERFORMANCE	STD	OPT
Cummins QSL 9 turbo diesel engine delivering 227 kW (rated) / 247 kW (max)	Χ	
Tier 3 / Stage IIIA compliant	Χ	
Wastegate turbocharger	Χ	
Hibernate Idle	Χ	
Hydraulically driven on-demand cooling fan	Χ	
120 amp alternator	Χ	
Powertrain protection system	Χ	
Spicer Off-Highway TE-27 4-speed auto-shifting transmission	Χ	
Kessler D102 drive axle with wet disc brakes	Χ	
DRIVE	STD	OPT
Traction speed limiter when carrying container (adjustable)	Х	
Traction speed limiter - unconditional (adjustable)		Χ
Steer axle with reduced stroke steer cylinder for longer tyre life*		Х
Steer axle with full stroke steer cylinder for tight turning radius*		Χ
E3 pneumatic drive and steer tyres Continental Container Master 18.00x25. 40PR	Х	
E4 pneumatic drive and steer tyres MRF Muscle Rok 18.00-25.40PR		Χ
E4 pneumatic drive and steer tyres Continental Container Master 18.00-25.40PR		Х
E4 pneumatic drive and steer tyres Goodyear ELV-4B 18.00-25.40PR		Χ
Drive and steer Slick Tyres Bridgestone 18.00-25.40PR		Х
Drive and steer Slick Radial Tyres Goodyear EV5S 18.00 R25		Χ
LIFT	STD	OPT
On-demand load sensing hydraulic system	Χ	
Automatic throttle-up when lifting (in neutral or inching)	Χ	
2-stage boom for 5-high 1st row stacking	Χ	
3B6 load moment indicator (integrated in digital operator display)	Χ	
High speed hoist system - when empty	Χ	
High speed hoist system - below 10 tons	Χ	
Hydraulic system temperature protection		Χ
Container weighing system SOLAS compliant		Х
HANDLING		
	STD	OPT
CANBus spreader, ELME model 817 with rotation	STD X	
Mechanical Pile Slope	Х	
	Х	OPT
Mechanical Pile Slope Powered Pile Slope Powered dampening	Х	OPT
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners	X	OPT
Mechanical Pile Slope Powered Pile Slope Powered dampening	X	OPT X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader	X	OPT X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty	X	OPT X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks	X	OPT X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract	X	OPT X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override	X	OPT X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift	X	X X X X X X X X X X X X X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers	X	X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY	X X	X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders	X X X	X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders	X X X	X X X X X X OPT
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders Rear view camera system	X X X	OPT X X X X X X X OPT
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders Rear view camera system Halogen work lights	X X X	X X X X X X X X X X X X X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders Rear view camera system Halogen work lights High performance LED work lights	X X X	X X X X X X X X X X X X X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders Rear view camera system Halogen work lights High performance LED work lights LED twistlock indicator lights LED stop/tail/brake lights	X X X STD X X	X X X X X X X X X X X X X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders Rear view camera system Halogen work lights High performance LED work lights LED stop/tail/brake lights Turn signals, hazard & marker lights (LED)*	X X X STD X X X X	X X X X X X X X X X X X X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders Rear view camera system Halogen work lights High performance LED work lights LED stop/tail/brake lights Turn signals, hazard & marker lights (LED)* APPEARANCE	X X X STD X X X	X X X X X X X X X X X X X X X X X X X
Mechanical Pile Slope Powered Pile Slope Powered dampening 4 lifting eyes located on end beam corners 4 lifting eyes located under centre beam of spreader Container guides - located outside near twistlocks Container guides - 500mm inset, heavy duty Rotation stops with override Automatic extend/retract Stops for 30' containers Vertical lift VISIBILITY External wide angle mirrors mounted on rear of front fenders External wide angle mirrors mounted on top of front fenders Rear view camera system Halogen work lights High performance LED work lights LED stop/tail/brake lights Turn signals, hazard & marker lights (LED)*	X X X STD X X X STD	X X X X X X X X X X X X X X X X X X X

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

ERGONOMICS	STD	OPT
Powered sliding cabin (1200 mm), including additional mirrors on top of fenders	Х	
Isolated mounting for low noise and vibration	Χ	
Coat hook	X	
Cabin emergency exit - rear hinged window	Χ	
Front, top and rear wipers	Χ	
Front and rear window defrosters	Χ	
Left side handrails, stairway and cabin door	Χ	
Right side handrails, stairway and cabin door		Χ
Stair lights		Χ
Seat-side joystick hydraulic control	Χ	
Steering wheel spinner knob	Χ	
Directional control lever	Χ	
Interior wide angle mirrors	Χ	
Heater with 3-speed fan	Χ	
Telescoping & tilting steering column	Χ	
Recirculation fan	Χ	
DC/DC converter 24 volt/12 volt with socket*	Χ	
Air conditioning		Χ
Sun shades on top and rear		Χ
Radio preparation set-up (wiring, two speakers and antenna)		Χ
Reading light		Χ
Operator presence system	Χ	
Mechanical suspension seat	Χ	
Deluxe air suspension seat		Χ
Low backrest*		Χ
High backrest*		Χ
Cloth seat cover	Χ	
Vinyl seat cover		Χ
Seat heating		Χ
2-point high visibility seatbelt	Χ	
3-point high visibility seatbelt		Х
3-point high visibility seatbelt OPERATION	STD	X OPT
	STD X	
OPERATION		OPT
OPERATION Electric air horn 112 dB		OPT
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting		X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm	X	OPT
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start	X	X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm	X	X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system	X X	X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch	X	X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid	X X	X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown	X X	X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat	X X X	X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap	X X	X X X X X X X X X X X X X X X X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap Lockable fuel cap	X X X	X X X X X X X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap Lockable fuel cap Hyster Tracker wireless asset management - monitoring*	X X X	X X X X X X X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap Lockable fuel cap Hyster Tracker wireless asset management - monitoring* Hyster Tracker wireless asset management - access / verification	X X X	X X X X X X X X X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap Lockable fuel cap Hyster Tracker wireless asset management – monitoring* Hyster Tracker wireless asset management – access / verification Auto greasing system for basic truck and outer boom	X X X	X X X X X X X X X X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap Lockable fuel cap Hyster Tracker wireless asset management – monitoring* Hyster Tracker wireless asset management – access / verification Auto greasing system for basic truck and outer boom Auto greasing system for inner boom and spreader	X X X	X X X X X X X X X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap Lockable fuel cap Hyster Tracker wireless asset management – monitoring* Hyster Tracker wireless asset management – access / verification Auto greasing system for basic truck and outer boom Auto greasing system for inner boom and spreader 24 volt electrical system	X X X	X X X X X X X X X X X X X X X
OPERATION Electric air horn 112 dB Visible alarm – amber strobe light, key switch activated* Visible alarm – amber strobe light, switch and key switch activated* Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting Forward motion alarm Seatbelt interlock for engine start Seatbelt indicator light on top of cab Tyre pressure monitoring system Lockable battery disconnect switch NATO plug start aid Adjustable automatic "empty seat" engine shutdown Trainer seat Non-locking fuel cap Lockable fuel cap Hyster Tracker wireless asset management – monitoring* Hyster Tracker wireless asset management – access / verification Auto greasing system for basic truck and outer boom Auto greasing system for inner boom and spreader 24 volt electrical system Engine block heater 110 & 220 volt	X X X	X X X X X X X X X X X X X
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