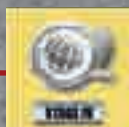




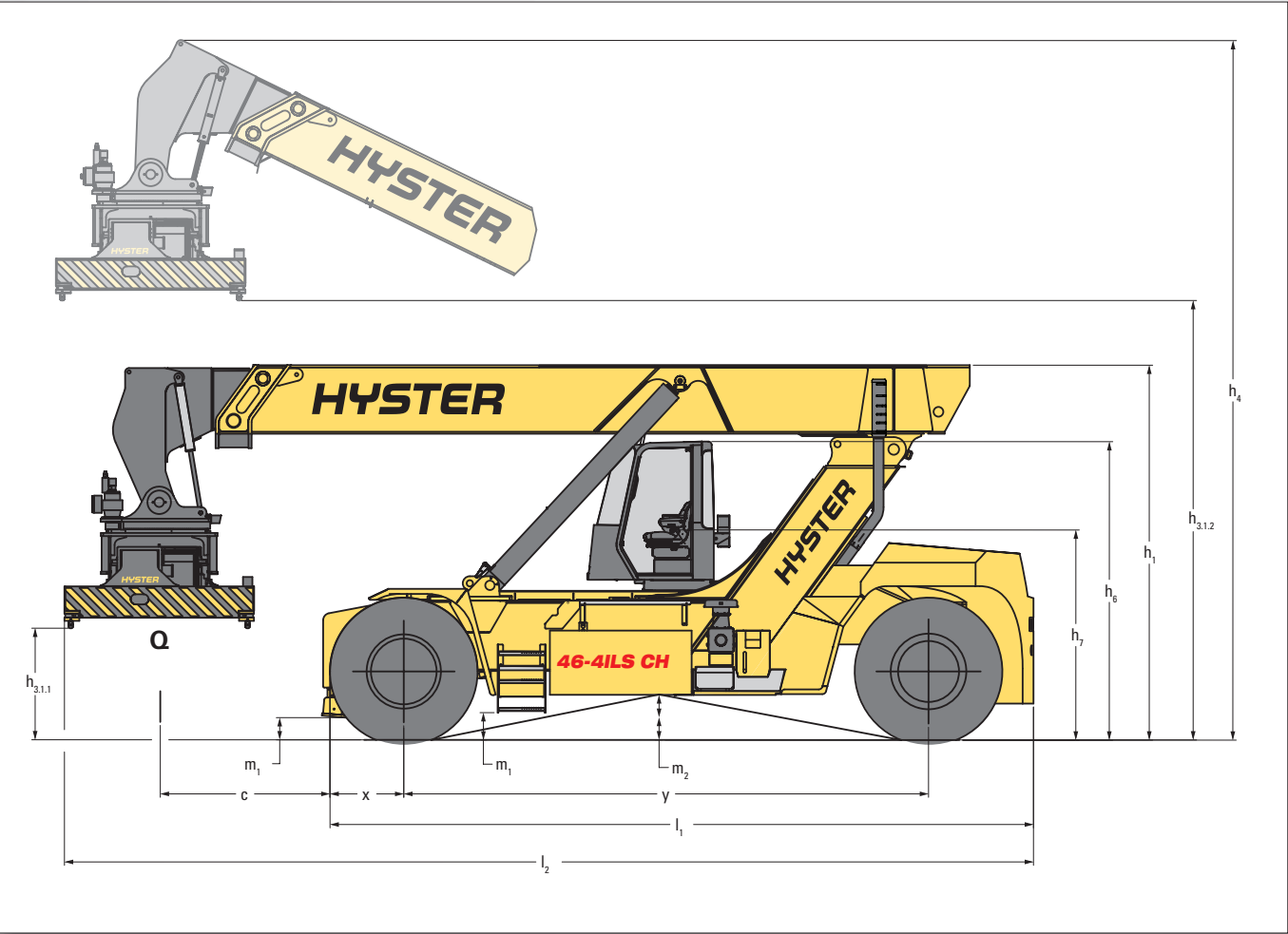
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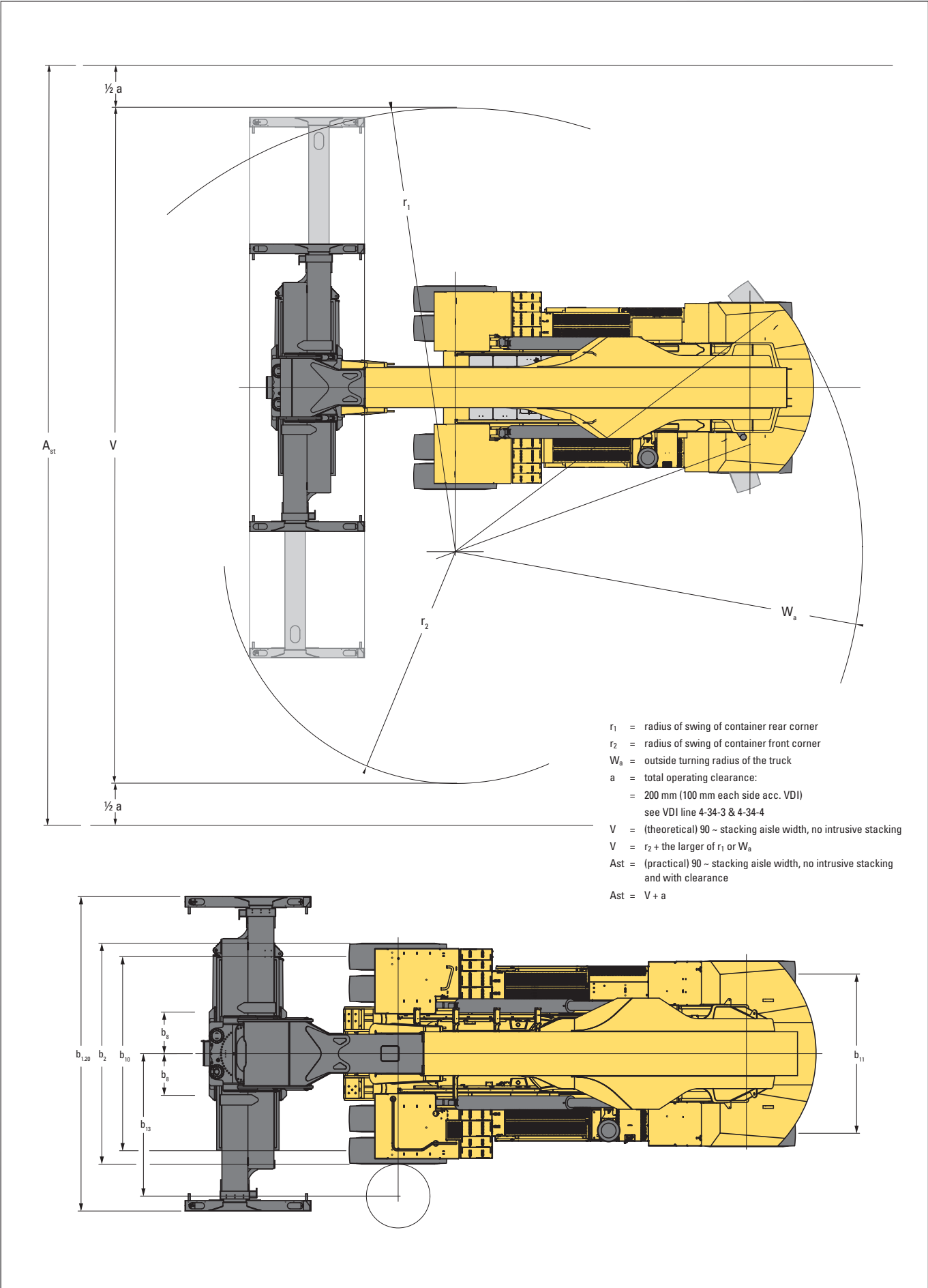
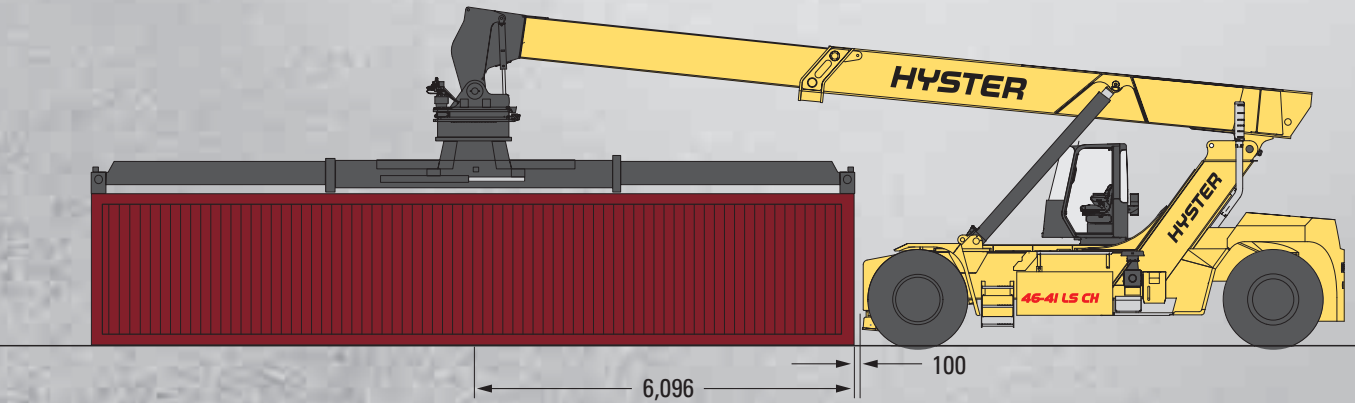
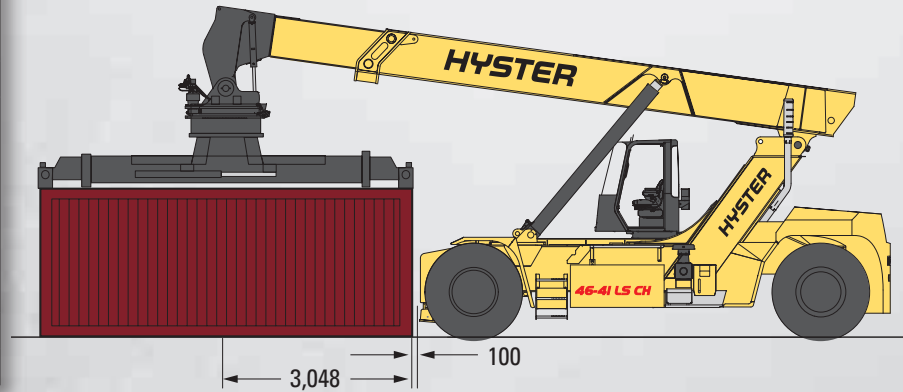
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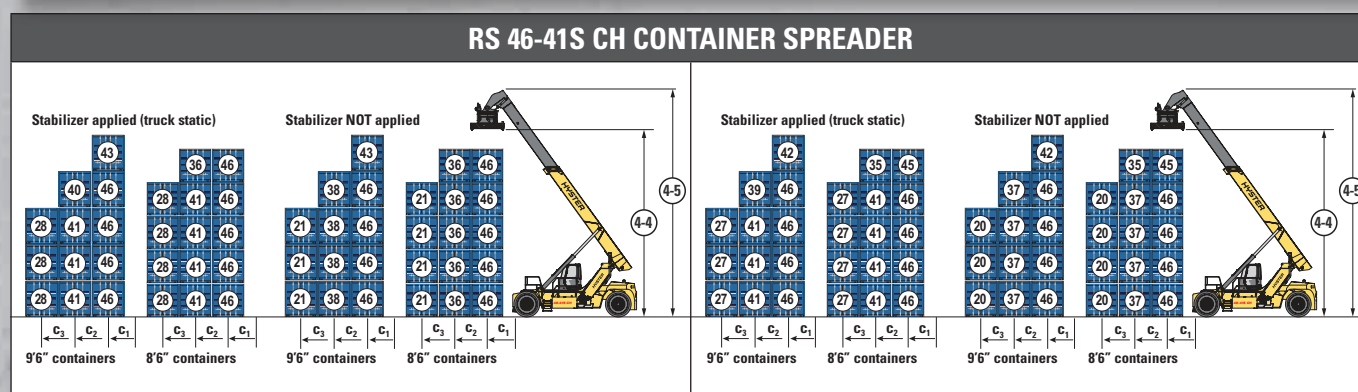
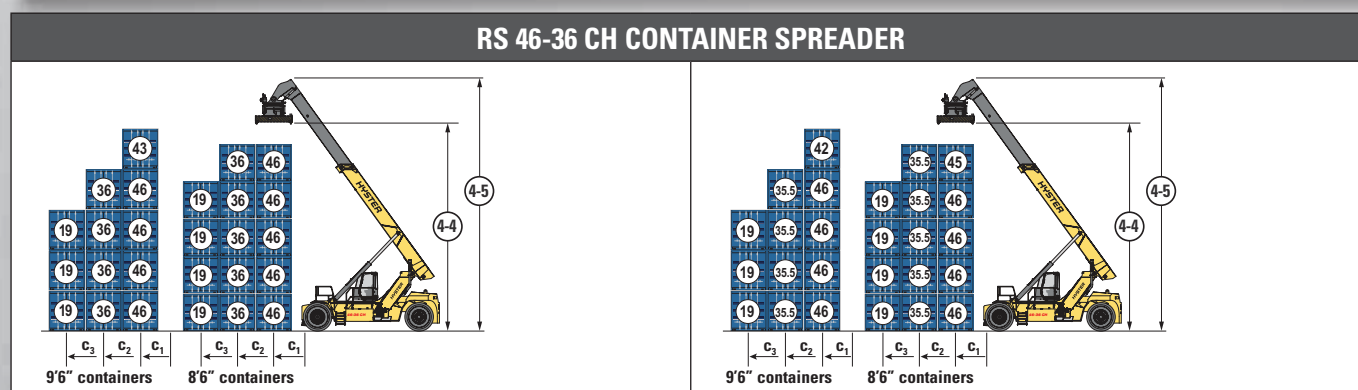
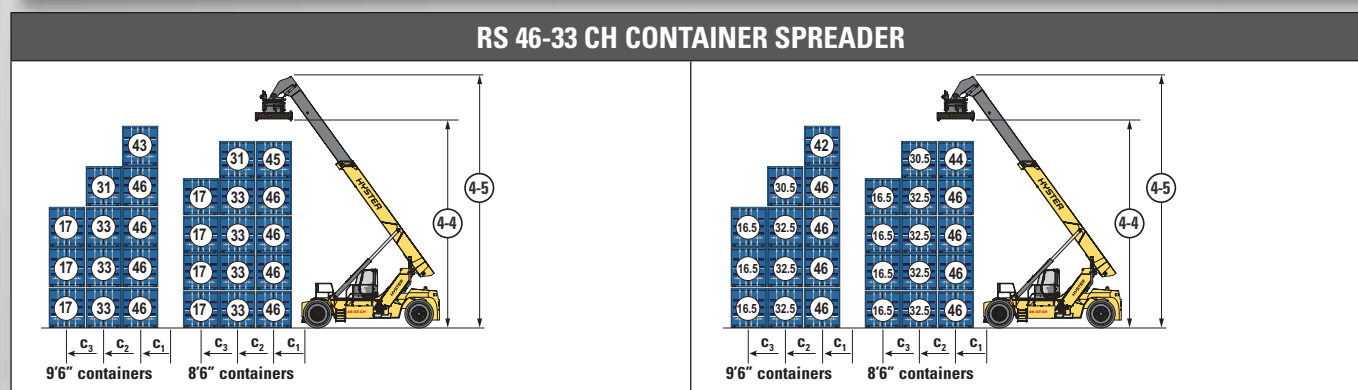
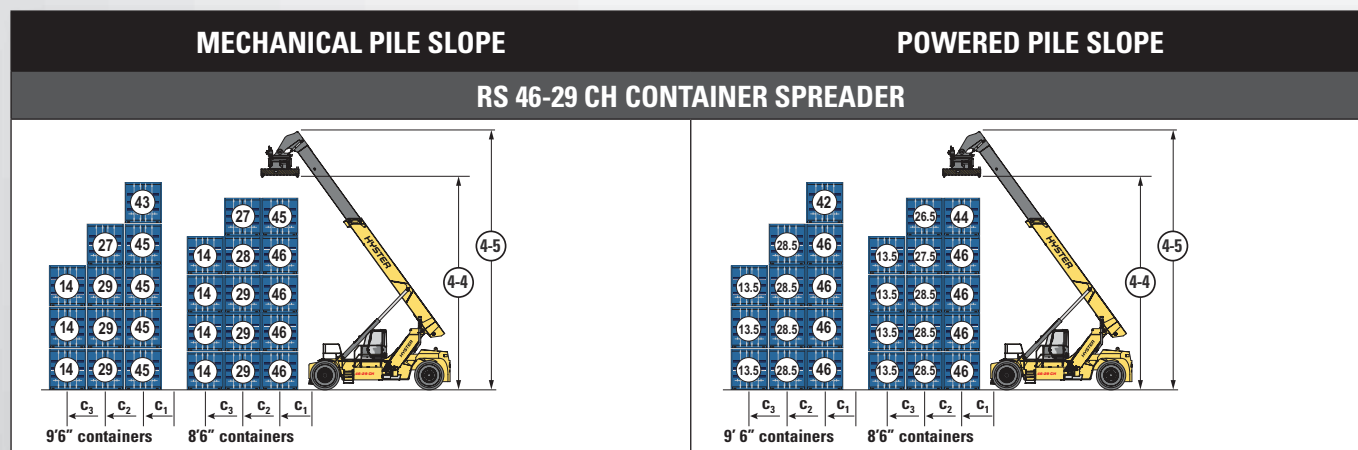


MAXIMUM CAPACITY PICKING LENGTHWISE		
MODEL	20'	40'
	kg	kg
RS46-29	32,000	14,000
RS46-33	35,000	16,000
RS46-36	42,000	20,000
RS46-41S	44,900	26,300
RS46-41L	44,900	26,300
RS46-41LS	44,900	30,300
RS46-41XLS	44,900	30,300



> RATED CAPACITIES AND STACKING HEIGHTS

(shown in 1,000 kg.)

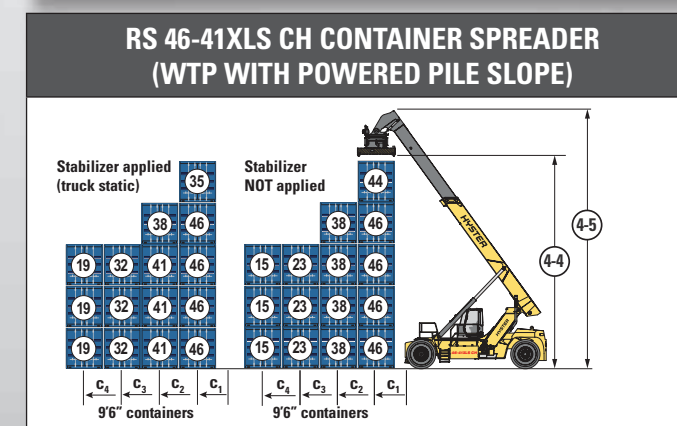
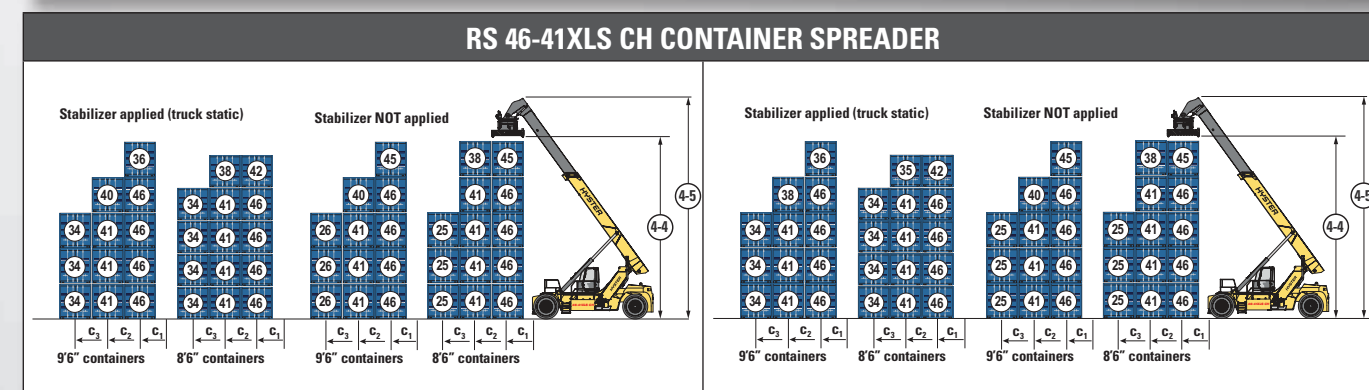
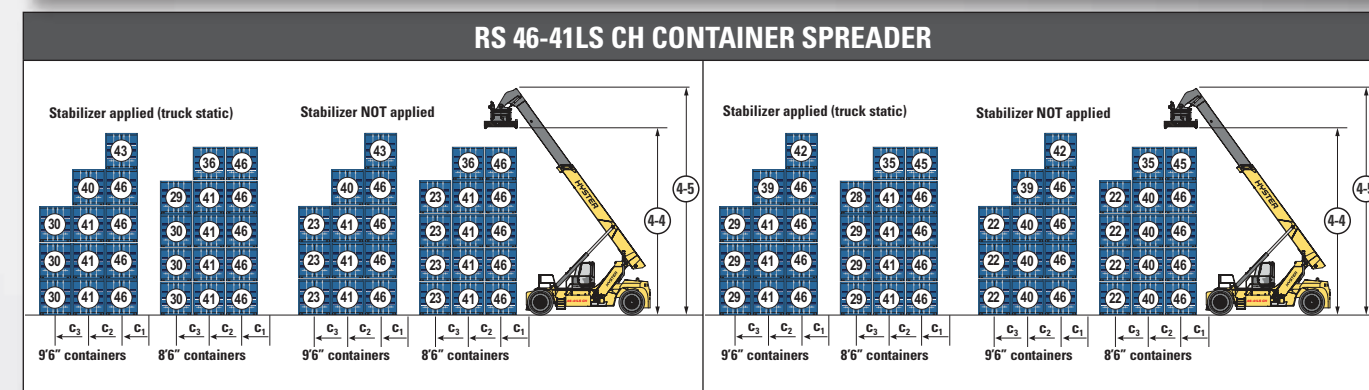
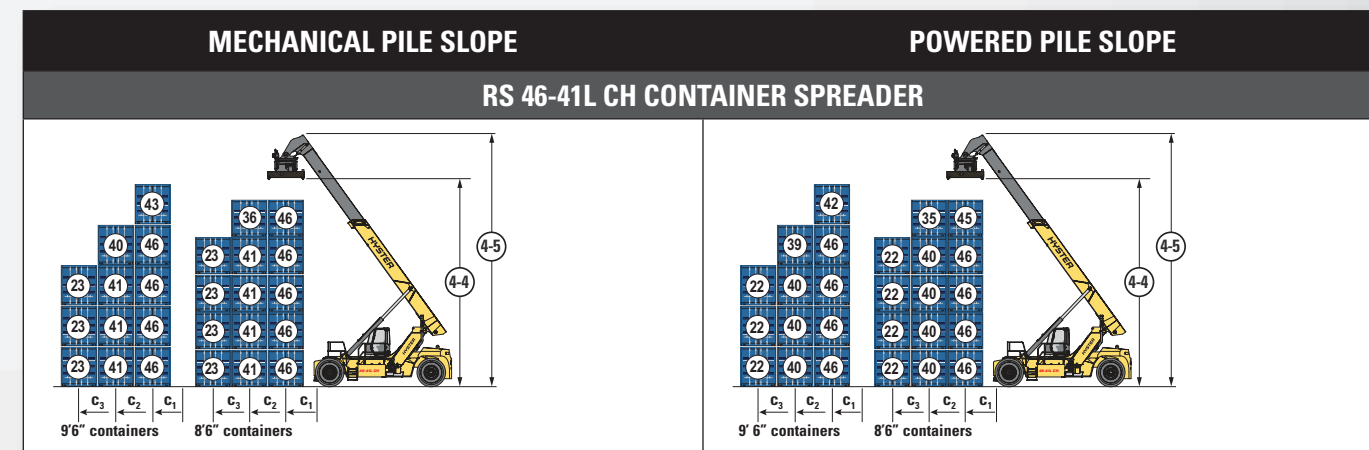


c1	c2	c3
1865mm	3815mm	6315mm

Note: All load centres c1, c2, c3 are taken from the front face of the (front) tyres.

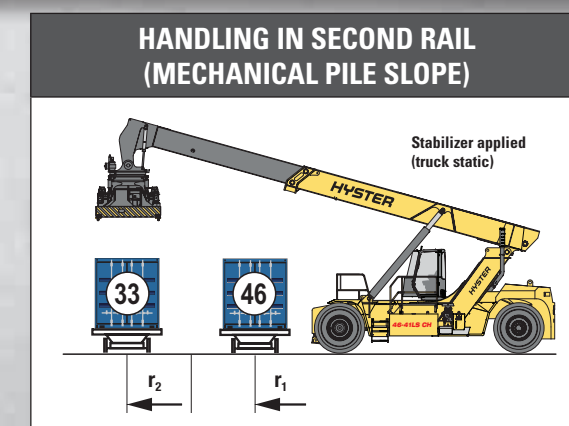
RATED CAPACITIES AND STACKING HEIGHTS <

(shown in 1,000 kg.)



c1	c2	c3	c4
1865mm	3815mm	6315mm	8750mm

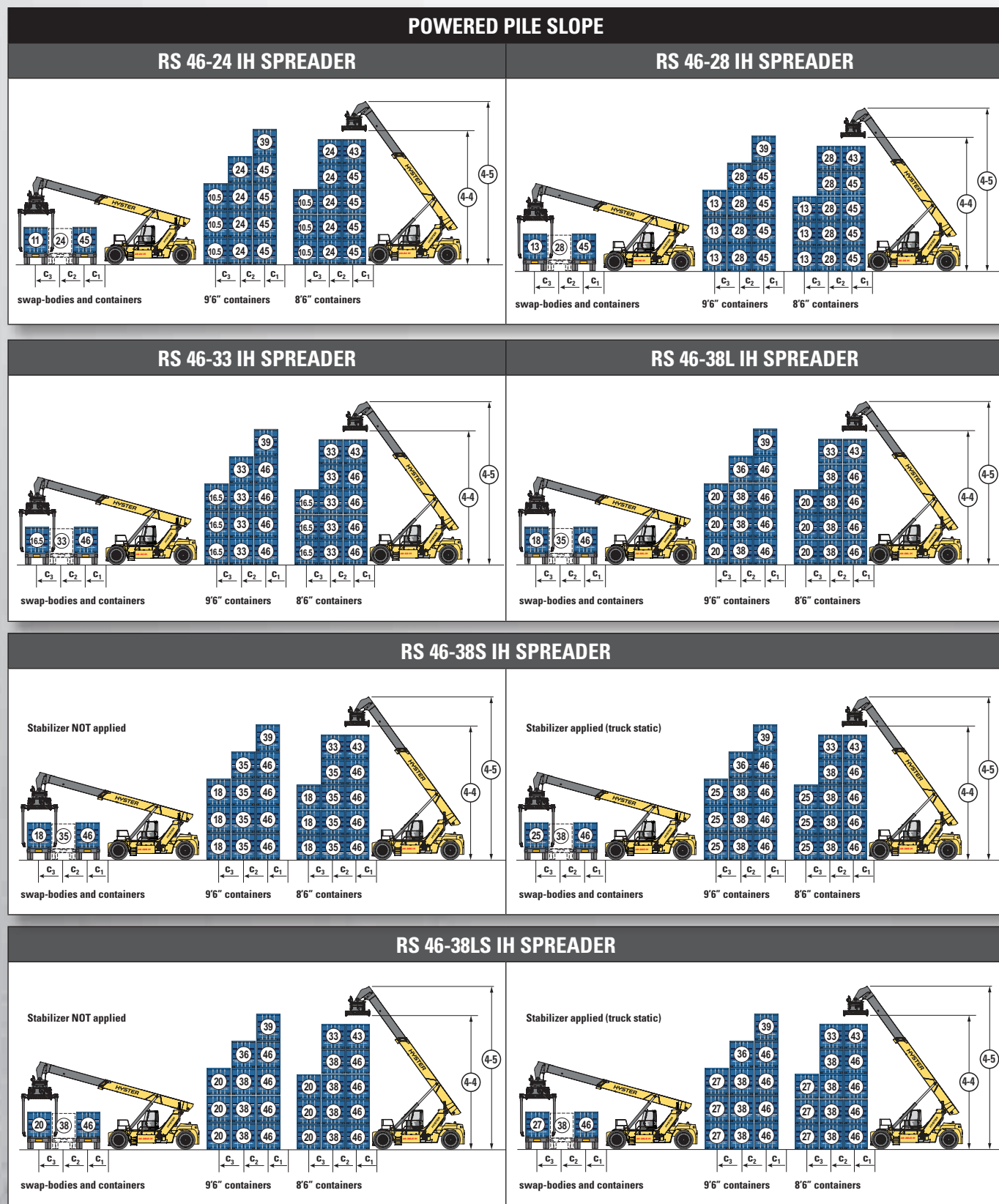
Note: All load centres c1, c2, c3, c4 are taken from the front face of the (front) tyres.



r1	r2
1865mm	6400mm

> RATED CAPACITIES AND STACKING HEIGHTS

(shown in 1,000 kg.)

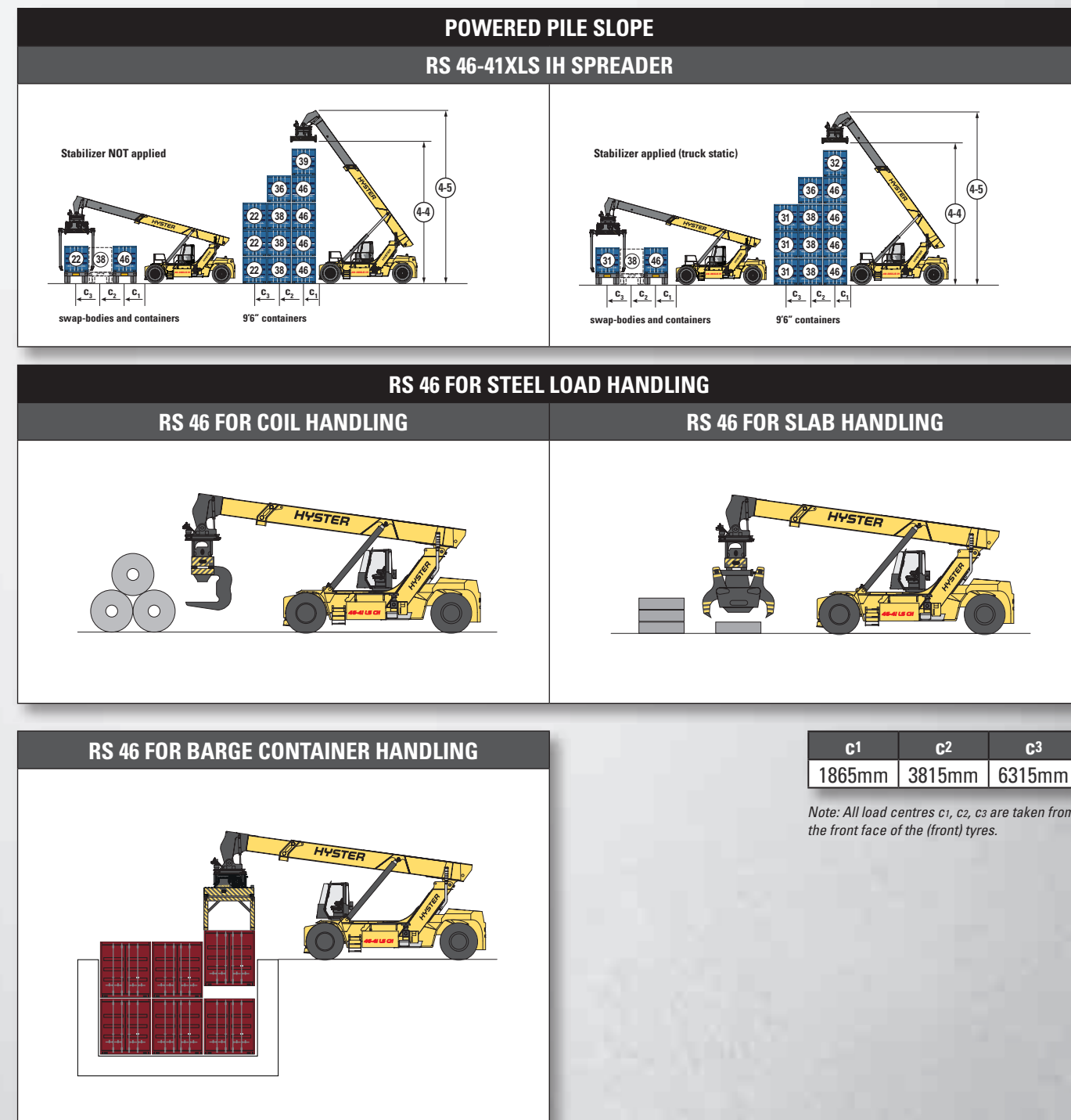


c1	c2	c3
1865mm	3815mm	6315mm

Note: All load centres c1, c2, c3 are taken from the front face of the (front) tyres.

RATED CAPACITIES AND STACKING HEIGHTS <

(shown in 1,000 kg.)



c1	c2	c3
1865mm	3815mm	6315mm

Note: All load centres c1, c2, c3 are taken from the front face of the (front) tyres.

> RS 46-29, RS 46-33, RS 46-36, RS 46-41S CONTAINER HANDLERS

GENERAL	1-1	Manufacturer			HYSTER		HYSTER		HYSTER		HYSTER	
	1-2	Model designation			RS 46-29 CH		RS 46-33 CH		RS 46-36 CH		RS 46-41S CH	
	1-3	Drive			Diesel		Diesel		Diesel		Diesel	
	1-4	Operator type			Seated		Seated		Seated		Seated	
	1-5-1	Load capacity at load centre distance c ₁ without/with stabiliser	Q ₁	kg	46,000	n/a	46,000	n/a	46,000	n/a	46,000	46,000
	1-5-2	Load capacity at load centre distance c ₂ without/with stabiliser	Q ₂	kg	29,000	n/a	33,000	n/a	36,000	n/a	38,000	41,000
	1-5-3	Load capacity at load centre distance c ₃ without/with stabiliser	Q ₃	kg	14,000	n/a	17,000	n/a	19,000	n/a	21,000	28,000
	1-6-1	Load centre distance c ₁ (1)	c ₁	mm	1,865		1,865		1,865		1,865	
	1-6-2	Load centre distance c ₂ (1)	c ₂	mm	3,815		3,815		3,815		3,815	
	1-6-3	Load centre distance c ₃ (1)	c ₃	mm	6,315		6,315		6,315		6,315	
WEIGHT	1-8	Load distance, ctr of drive axle to face of front Tyres/front of stabiliser	x	mm	835	n/a	835	n/a	930	n/a	930	1030
	1-9	Wheelbase	y	mm	6,200		6,200		6,200		6,200	
	1-10	Stacking height at first row (number x container height)	#		5 x 9' 6"		5 x 9' 6"		5 x 9' 6"		5 x 9' 6"	
	2-1	Service weight		kg	68,500		72,200		79,300		83,600	
WHEELS	2-2-1	Axle loading with load, front / rear at c ₁		kg	101,350	13,150	101,100	17,100	103,200	22,100	105,400	24,200
	2-3-1	Axle loading without load, front / rear at c ₁		kg	35,300	33,200	35,000	37,200	36,500	42,800	38,700	44,900
	3-1	Tyre type			Pneumatic		Pneumatic		Pneumatic		Pneumatic	
DIMENSIONS	3-2	Tyre size, front			18.00-25 40PR		18.00-25 40PR		18.00-33 36PR		18.00-33 36PR	
	3-3	Tyre size, rear			18.00-25 40PR		18.00-25 40PR		18.00-33 36PR		18.00-33 36PR	
	3-5	Wheels, number front / rear (X = driven wheels)			x4 / 2		x4 / 2		x4 / 2		x4 / 2	
	3-6	Tread, front	b ₁₀	mm	3,703		3,703		3,703		3,703	
	3-7	Tread, rear	b ₁₁	mm	3,060		3,060		3,060		3,060	
	4-1	Boom angle minimum / maximum		(°)	0 / 59		0 / 59		0 / 59		0 / 59	
	4-2	Height of boom lowered	h ₁	mm	4,700		4,700		4,795		4,795	
PERFORMANCE	4-4-1	Lift height at load centre c ₁ (2)	h _{3.1}	mm	15,260		15,260		15,355		15,355	
	4-4-2	Lift height at load centre c ₂ (2)	h _{3.2}	mm	13,850		13,850		13,945		13,945	
	4-5	Height, boom extended	h ₄	mm	18,110		18,110		18,205		18,205	
	4-7	Height of overhead guard (cabin)	h ₆	mm	3,720		3,720		3,815		3,815	
	4-8	Seat height to SIP (3)	h ₇	mm	2,555		2,555		2,650		2,650	
	4-15	Height under Twistlock - lowered (2)	h ₁₃	mm	1,345		1,345		1,440		1,440	
	4-19	Overall length	l ₁	mm	8,360		8,360		8,650		8,750	
	4-20	Overall length including boom retracted	l ₂	mm	11,873		11,873		12,073		12,073	
	4-21-2	Overall width across all of truck	b ₂	mm	4,200		4,200		4,200		4,200	
	4-21-3	Overall width across spreader 20'	b _{1.20}	mm	6,100		6,100		6,100		6,100	
	4-21-4	Overall width across spreader 40'	b _{1.40}	mm	12,200		12,200		12,200		12,200	
	4-31	Ground clearance, lowest point	m ₁	mm	285		285		304		250	
	4-32	Ground clearance, centre or wheelbase	m ₂	mm	437		437		532		532	
	4-34-3	Aisle width: 20' container (5) (6)	Ast ₂₀	mm	12,639		12,639		13,330		13,330	
	4-34-4	Aisle width: 40' container (5) (6)	Ast ₄₀	mm	14,403		14,403		14,620		14,620	
	4-35	Outside turning radius	W _a	mm	8,420		8,420		9,200		9,200	
	4-36	Internal turning radius	b ₁₃	mm	1,500		1,500		2,000		2,000	
PERFORMANCE	5-1	Travel speed with / without load		km/h	20	22	20	22	21	23	21	23
	5-2	Lifting speed with / without load		m/s	0.28	0.48	0.28	0.48	0.28	0.48	0.28	0.48
	5-3	Lowering speed with / without load		m/s	0.46	0.45	0.46	0.45	0.46	0.45	0.46	0.45
	5-7	Gradeability - 1.6 km/h, with / without load (7)		%	26	35	25	35	23	33	21	32

(1) From face of front tyres. Deduct 100 mm for loadcentre from front side of Stabilizer when applicable

(2) For CH models only: With optional P(owered) P(ile) S(lope) function: deduct 310 mm

(3) Full suspension seat in depressed position

(5) These data are with the container carried 500 mm in front of the wheels (loadcenter 1720 mm)

(6) Stacking aisle width is based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of truck.

(7) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

RS 46-41L, RS 46-41LS, RS46-41XLS CONTAINER HANDLERS <

GENERAL	1-1	Manufacturer			HYSTER		HYSTER		HYSTER	
	1-2	Model designation			RS 46-41L CH		RS 46-41LS CH		RS 46-41XLS CH	
	1-3	Drive			Diesel		Diesel		Diesel	
	1-4	Operator type			Seated		Seated		Seated	
	1-5-1	Load capacity at load centre distance c ₁ without/with stabiliser	Q ₁	kg	46,000	n/a	46,000	46,000	46,000	46,000
	1-5-2	Load capacity at load centre distance c ₂ without/with stabiliser	Q ₂	kg	41,000	n/a	41,000	41,000	41,000	41,000
	1-5-3	Load capacity at load centre distance c ₃ without/with stabiliser	Q ₃	kg	23,000	n/a	23,000	30,000	26,000	34,000
	1-6-1	Load centre distance c ₁ (1)	c ₁	mm	1,865		1,865		1,865	
	1-6-2	Load centre distance c ₂ (1)	c ₂	mm	3,815		3,815		3,815	
	1-6-3	Load centre distance c ₃ (1)	c ₃	mm	6,315		6,315		6,315	
WEIGHT	1-8	Load distance, ctr of drive axle to face of front Tyres/front of stabiliser	x	mm	930	n/a	930	1030	930	1030
	1-9	Wheelbase	y	mm	6,700		6,700		7,500	
	1-10	Stacking height at first row (number x container height)	#		5 x 9' 6"		5 x 9' 6"		5 x 9' 6"	
	2-1	Service weight		kg	82,600		84,600		84,650	
WHEELS	2-2-1	Axle loading with load, front / rear at c ₁		kg	103,400	25,200	105,600	25,000	103,350	27,300
	2-3-1	Axle loading without load, front / rear at c ₁		kg	38,200	44,400	40,400	44,200	41,300	43,350
	3-1	Tyre type			Pneumatic		Pneumatic		Pneumatic	
DIMENSIONS	3-2	Tyre size, front			18.00-33 36PR		18.00-33 36PR		18.00-33 36PR	
	3-3	Tyre size, rear			18.00-33 36PR		18.00-33 36PR		18.00-33 36PR	
	3-5	Wheels, number front / rear (X = driven wheels)			x4 / 2		x4 / 2		x4 / 2	
	3-6	Tread, front	b ₁₀	mm	3,703		3,703		3,703	
	3-7	Tread, rear	b ₁₁	mm	3,060		3,060		3,060	
	4-1	Boom angle minimum / maximum		(°)	0 / 59		0 / 59		3 / 58	
PERFORMANCE	4-2	Height of boom lowered	h ₁	mm	4,795		4,795		5,457	
	4-4-1	Lift height at load centre c ₁ (2)	h _{3.1}	mm	15,355		15,355		15,225	
	4-4-2	Lift height at load centre c ₂ (2)	h _{3.2}	mm	13,945		13,945		14,158	
	4-5	Height, boom extended	h ₄	mm	18,205		18,205		18,420	
	4-7	Height of overhead guard (cabin)	h ₆	mm	3,815		3,815		3,815	
	4-8	Seat height to SIP (3)	h ₇	mm	2,650		2,650		2,650	
	4-15	Height under Twistlock - lowered (2)	h ₁₃	mm	1,440		1,440		1,835	
	4-19	Overall length	l ₁	mm	9,150		9,250		10,050	
	4-20	Overall length including boom retracted	l ₂	mm	12,573		12,573		13,613	
	4-21-2	Overall width across all of truck	b ₂	mm	4,200		4,200		4,200	
	4-21-3	Overall width across spreader 20'	b _{1.20}	mm	6,100		6,100		6,100	
	4-21-4	Overall width across spreader 40'	b _{1.40}	mm	12,200		12,200		12,200	
	4-31	Ground clearance, lowest point	m ₁	mm	304		250		250	
	4-32	Ground clearance, centre or wheelbase	m ₂	mm	532		532		532	
	4-34-3	Aisle width: 20' container (5) (6)	Ast ₂₀	mm	13,430		13,430		14,780	
4-34-4	Aisle width: 40' container (5) (6)	Ast ₄₀	mm	14,620		14,620		15,370		
4-35	Outside turning radius	W _a	mm	9,300		9,300		10,650		
4-36	Internal turning radius	b ₁₃	mm	2,400		2,400		2,975		
PERFORMANCE	5-1	Travel speed with / without load		km/h	21	23	21	23	21	23
	5-2	Lifting speed with / without load		m/s	0.28	0.48	0.28	0.48	0.28	0.48
	5-3	Lowering speed with / without load		m/s	0.46	0.45	0.46	0.45	0.46	0.45
	5-7	Gradeability - 1.6 km/h, with / without load (7)		%	21	32	21	32	21	32

> RS 46-24, RS 46-28, RS 46-33, RS 46-38L INTERMODAL HANDLERS

GENERAL	1-1	Manufacturer			HYSTER		HYSTER		HYSTER		HYSTER	
	1-2	Model designation			RS 46-24 IH		RS 46-28 IH		RS 46-33 IH		RS 46-38L IH	
	1-3	Drive			Diesel		Diesel		Diesel		Diesel	
	1-4	Operator type			Seated		Seated		Seated		Seated	
	1-5-1	Load capacity at load centre distance c ₁ without/with stabiliser	Q ₁	kg	45,000	n/a	45,000	n/a	46,000	n/a	46,000	n/a
	1-5-2	Load capacity at load centre distance c ₂ without/with stabiliser	Q ₂	kg	24,000	n/a	28,000	n/a	33,000	n/a	38,000	n/a
	1-5-3	Load capacity at load centre distance c ₃ without/with stabiliser	Q ₃	kg	11,000	n/a	13,000	n/a	17,000	n/a	20,000	n/a
	1-6-1	Load centre distance c ₁ (1)	c ₁	mm	1,865		1,865		1,865		1,865	
	1-6-2	Load centre distance c ₂ (1)	c ₂	mm	3,815		3,815		3,815		3,815	
	1-6-3	Load centre distance c ₃ (1)	c ₃	mm	6,315		6,315		6,315		6,315	
WEIGHT	1-8	Load distance, ctr of drive axle to face of front Tyres/front of stabiliser	x	mm	835	n/a	835	n/a	930	n/a	930	n/a
	1-9	Wheelbase	y	mm	6,200		6,200		6,200		6,700	
	1-10	Stacking height at first row (number x container height)		#	5 x 9' 6"		5 x 9' 6"		5 x 9' 6"		5 x 9' 6"	
	2-1	Service weight		kg	72,400		76,100		83,200		86,500	
WHEELS	2-2-1	Axle loading with load, front / rear at c ₁		kg	105,400	12,000	105,200	15,900	108,800	20,400	108,800	23,700
	2-3-1	Axle loading without load, front / rear at c ₁		kg	40,800	31,600	40,500	35,600	42,100	41,100	43,600	42,900
	3-1	Tyre type			Pneumatic		Pneumatic		Pneumatic		Pneumatic	
	3-2	Tyre size, front			18.00-25 40PR		18.00-25 40PR		18.00-33 36PR		18.00-33 36PR	
DIMENSIONS	3-3	Tyre size, rear			18.00-25 40PR		18.00-25 40PR		18.00-33 36PR		18.00-33 36PR	
	3-5	Wheels, number front / rear (X = driven wheels)			x4 / 2		x4 / 2		x4 / 2		x4 / 2	
	3-6	Tread, front	b ₁₀	mm	3,703		3,703		3,703		3,703	
	3-7	Tread, rear	b ₁₁	mm	3,060		3,060		3,060		3,060	
	4-1	Boom angle minimum / maximum		(°)	0 / 59		0 / 59		0 / 59		0 / 59	
	4-2	Height of boom lowered	h ₁	mm	4,700		4,700		4,795		4,795	
	4-4-1	Lift height at load centre c ₁ (2)	h _{3.1}	mm	14,780		14,780		14,875		14,875	
PERFORMANCE	4-4-2	Lift height at load centre c ₂ (2)	h _{3.2}	mm	13,375		13,375		13,470		13,470	
	4-5	Height, boom extended	h ₄	mm	18,110		18,110		18,205		18,205	
	4-7	Height of overhead guard (cabin)	h ₆	mm	3,720		3,720		3,815		3,815	
	4-8	Seat height to SIP (3)	h ₇	mm	2,555		2,555		2,650		2,650	
	4-15	Height under Twistlock - lowered (2)	h ₁₃	mm	885		885		980		980	
	4-19	Overall length	l ₁	mm	8,360		8,360		8,650		9,150	
	4-20	Overall length including boom retracted	l ₂	mm	11,873		11,873		12,073		12,573	
	4-21-2	Overall width across all of truck	b ₂	mm	4,200		4,200		4,200		4,200	
	4-21-3	Overall width across spreader 20'	b _{1.20}	mm	6,100		6,100		6,100		6,100	
	4-21-4	Overall width across spreader 40'	b _{1.40}	mm	12,200		12,200		12,200		12,200	
	4-31	Ground clearance, lowest point	m ₁	mm	285		285		304		304	
	4-32	Ground clearance, centre or wheelbase	m ₂	mm	437		437		532		532	
	4-34-3	Aisle width: 20' container (5) (6)	Ast ₂₀	mm	12,639		12,639		13,330		13,430	
	4-34-4	Aisle width: 40' container (5) (6)	Ast ₄₀	mm	14,403		14,403		14,620		14,620	
	4-35	Outside turning radius	W _a	mm	8,420		8,420		9,200		9,300	
	4-36	Internal turning radius	b ₁₃	mm	1,500		1,500		2,000		2,400	
PERFORMANCE	5-1	Travel speed with / without load		km/h	20	22	20	22	21	23	21	23
	5-2	Lifting speed with / without load		m/s	0.27	0.47	0.27	0.47	0.27	0.47	0.27	0.47
	5-3	Lowering speed with / without load		m/s	0.46	0.45	0.46	0.45	0.46	0.45	0.46	0.45
	5-7	Gradeability - 1.6 km/h, with / without load (7)		%	26	35	25	35	23	33	21	32

- (1) From face of front tyres. Deduct 100 mm for loadcentre from front side of Stabilizer when applicable
- (2) For CH models only: With optional P(owered) P(ile) S(lope) function: deduct 310 mm
- (3) Full suspension seat in depressed position
- (5) These data are with the container carried 500 mm in front of the wheels (loadcenter 1720 mm)
- (6) Stacking aisle width is based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of truck.
- (7) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

RS 46-38S, RS 38LS, RS 46-41XLS INTERMODAL HANDLERS <

GENERAL	1-1	Manufacturer			HYSTER		HYSTER		HYSTER	
	1-2	Model designation			RS 46-38S IH		RS 46-38LS IH		RS 46-41XLS IH	
	1-3	Drive			Diesel		Diesel		Diesel	
	1-4	Operator type			Seated		Seated		Seated	
	1-5-1	Load capacity at load centre distance c ₁ without/with stabiliser	Q ₁	kg	46,000	46,000	46,000	46,000	46,000	46,000
	1-5-2	Load capacity at load centre distance c ₂ without/with stabiliser	Q ₂	kg	35,000	38,000	38,000	38,000	38,000	38,000
	1-5-3	Load capacity at load centre distance c ₃ without/with stabiliser	Q ₃	kg	18,000	25,000	20,000	27,000	22,000	31,000
	1-6-1	Load centre distance c ₁ (1)	c ₁	mm	1,865		1,865		1,865	
	1-6-2	Load centre distance c ₂ (1)	c ₂	mm	3,815		3,815		3,815	
	1-6-3	Load centre distance c ₃ (1)	c ₃	mm	6,315		6,315		6,315	
WEIGHT	1-8	Load distance, ctr of drive axle to face of front Tyres/front of stabiliser	x	mm	930	1030	930	1030	930	1030
	1-9	Wheelbase	y	mm	6,200		6,700		7,500	
	1-10	Stacking height at first row (number x container height)		#	5 x 9' 6"		5 x 9' 6"		5 x 9' 6"	
	2-1	Service weight		kg	87,500		88,500		88,500	
WHEELS	2-2-1	Axle loading with load, front / rear at c ₁		kg	111,000	22,500	111,000	23,500	110,055	24,488
	2-3-1	Axle loading without load, front / rear at c ₁		kg	44,200	43,300	45,800	42,700	46,900	41,600
	3-1	Tyre type			Pneumatic		Pneumatic		Pneumatic	
	3-2	Tyre size, front			18.00-33 36PR		18.00-33 36PR		18.00-33 36PR	
DIMENSIONS	3-3	Tyre size, rear			18.00-33 36PR		18.00-33 36PR		18.00-33 36PR	
	3-5	Wheels, number front / rear (X = driven wheels)			x4 / 2		x4 / 2		x4 / 2	
	3-6	Tread, front	b ₁₀	mm	3,703		3,703		3,703	
	3-7	Tread, rear	b ₁₁	mm	3,060		3,060		3,060	
PERFORMANCE	4-1	Boom angle minimum / maximum		(°)	0 / 59		0 / 59		3 / 58	
	4-2	Height of boom lowered	h ₁	mm	4,795		4,795		5,457	
	4-4-1	Lift height at load centre c ₁ (2)	h _{3.1}	mm	14,875		14,875		14,765	
	4-4-2	Lift height at load centre c ₂ (2)	h _{3.2}	mm	13,470		13,470		13,698	
	4-5	Height, boom extended	h ₄	mm	18,205		18,205		18,420	
	4-7	Height of overhead guard (cabin)	h ₆	mm	3,815		3,815		3,815	
	4-8	Seat height to SIP (3)	h ₇	mm	2,650		2,650		2,650	
	4-15	Height under Twistlock - lowered (2)	h ₁₃	mm	980		980		1,835	
	4-19	Overall length	l ₁	mm	8,750		9,250		10,050	
	4-20	Overall length including boom retracted	l ₂	mm	12,073		12,573		13,613	
	4-21-2	Overall width across all of truck	b ₂	mm	4,200		4,200		4,200	
	4-21-3	Overall width across spreader 20'	b _{1.20}	mm	6,100		6,100		6,100	
	4-21-4	Overall width across spreader 40'	b _{1.40}	mm	12,200		12,200		12,200	
	4-31	Ground clearance, lowest point	m ₁	mm	250		250		250	
PERFORMANCE	4-32	Ground clearance, centre or wheelbase	m ₂	mm	532		532		532	
	4-34-3	Aisle width: 20' container (5) (6)	Ast ₂₀	mm	13,330		13,430		14,780	
	4-34-4	Aisle width: 40' container (5) (6)	Ast ₄₀	mm	14,620		14,620		15,370	
	4-35	Outside turning radius	W _a	mm	9,200		9,300		10,650	
	4-36	Internal turning radius	b ₁₃	mm	2,000		2,400		2,975	
	5-1	Travel speed with / without load		km/h	21	23	21	23	21	23
PERFORMANCE	5-2	Lifting speed with / without load		m/s	0.27	0.47	0.27	0.47	0.27	0.47
	5-3	Lowering speed with / without load		m/s	0.46	0.45	0.46	0.45	0.46	0.45
	5-7	Gradeability - 1.6 km/h, with / without load (7)		%	21	32	21	32	21	32

GENERAL	1-1	Manufacturer			HYSTER	HYSTER
	1-2	Model designation			RS46 CH	RS46 IH
	1-3	Powertrain / drivetrain			Diesel	Diesel

ENGINE	7-1	Engine manufacturer / model			Cummins / QSL9	Cummins / QSL9
	7-1a	EPA / CE Tier compliance			Tier 4 / Stage IV	Tier 4 / Stage IV
	7-2	Engine power output according to ISO 1585		kW	261	261
	7-2-1	Engine power output - peak		kW	283	283
	7-3	Rated speed		rpm	2,100	2,100
	7-3-1	Engine torque @rpm (1/min)		N-m	1,627 @ 1500	1,627 @ 1500
	7-4	Number of cylinders / displacement		# / cm³	6 / 8900	6 / 8900
		Turbocharger		Type	Variable geometry, water cooled	Variable geometry, water cooled
	7-8	Alternator output		Amps	120	120
	7-10	Battery voltage, rated capacity		V / Ah	24 / 102	24 / 102

DRIVE	8-1	Drive control / transmission		Type / #	Powershift Transmission	Powershift Transmission
	8-2	Transmission manufacturer / type		Type / #	Spicer Off-Highway / TE-32	Spicer Off-Highway / TE-32
	8-4	Transmission speeds forward / backward		#	4 / 4	4 / 4
	8-5	Coupling		Type	Torque Converter	Torque Converter
	8-6	Wheel drive / drive axle manufacturer / type		Type / #	Kessler D102	Kessler D102
	8-11	Service brake		Type	Oil immersed (wet) disc	Oil immersed (wet) disc
	8-12	Parking brake		Type	Spring applied, dry disc on drive axle	Spring applied, dry disc on drive axle

SPREADER	9-1	Spreader manufacturer / type		Type / #	Elme / 817	Elme / 857
	9-1-1	Pile slope, mechanical without PPS		°	3	3
	9-1-2	Pile slope, mechanical with PPS		°	1,5	1,5
	9-1-3	Pile slope, total with PPS		°	6	6
	9-3	Size of containers		feet (')	ISO 20' - 40'	ISO 20' - 40'
	9-4	Side shift	b ₈	mm	+800 / -800	+800 / -800
	9-6-1	Rotation angle, without override		°	+12 / -12	+12 / -12
	9-6-2	Rotation angle, with override		°	+185 / -95	+185 / -95

MISC	10-1	Operating pressure for attachments		bar	140	140
	10-2	Oil volume for attachments		l/min	110	110
	10-3	Hydraulic oil tank, capacity		l	625	625
	10-4	Fuel tank capacity		l	830	830
	10-4-1	DEF/AdBlue tank capacity		l	57	57
	10-5	Steering design			Hydrostatic	Hydrostatic
	10-6	Number of steering rotation			6	6
	10-7	Sound pressure level at driver's seat (7)	Lpaz	dB(A)	75	75
	10-7-1	Sound power level during the workcycle	Lwaz	dB	109	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 Hyster® truck.

- (1) From face of front tyres. Deduct 100 mm for loadcentre from front side of Stabilizer when applicable.
- (2) For CH models only: With optional P(owered) P(ile) S(lope) function: deduct 310 mm
- (3) Full suspension seat in depressed position.
- (5) These data are with the container carried 500 mm in front of the wheels (loadcenter 1720 mm).
- (6) Stacking aisle width is based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of truck.
- (7) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.
- (8) Add 2 dB(A) for option with additional cab fan.

All capacities are according to EN1459.

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

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

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 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.

PERFORMANCE	STD	OPT
Cummins QSL 9 diesel engine delivering 261 kW (rated) / 283 kW (max), Stage IV variable geometry turbocharger, water cooled	X	
Hibernate idle	X	
Hydraulically driven on-demand cooling fan	X	
Powertrain protection system	X	
Heavy duty air intake	X	
High mount exhaust	X	
Spicer Off-Highway TE-32 4-speed auto-shifting transmission*	X	
Kessler D102 drive axle with wet disc brakes	X	
DRIVE	STD	OPT
Travel speed limiter - unconditional (adjustable)		X
Travel speed limiter - loaded (adjustable)	X	
E4 Pneumatic Drive and Steer Tyres Continental Container Master 18.00-25 40PR	X	
E4 Pneumatic Drive and Steer Tyres Continental Container Master 18.00-33 40PR	X	X
18.00-25 40PR Goodyear Pneumatic Bias Ply drive and steer tyres		X
18.00-R25 Goodyear Slick Radial drive and steer tyres		X
18.00-25 40PR Bridgestone STMS Slick Bias Ply drive and steer tyres		X
18.00-R36 Michelin XZM Pneumatic Radial drive and steer tyres		X
18.00-R36 Goodyear Pneumatic Slick Radial drive and steer tyres		X
18.00-33 36PR Goodyear Pneumatic Bias Ply drive and steer tyres		X
LIFT	STD	OPT
On-demand load sensing hydraulic system	X	
Automatic throttle-up when lifting (in neutral or inching)	X	
2-stage boom for 5-high 1st row stacking	X	
6-high 1st row stacking		X
Load Moment Indicator (integrated in digital operator display)	X	
High speed hoist system - below 10 tons	X	
Hydraulic system temperature protection with performance de-rate		X
Container weighing system SOLAS compliant		X
HANDLING	STD	OPT
CANBus Spreader, Hyster Model 817 with rotation (CH models)	X	
CANBus Spreader, Hyster Model 857 with rotation (IH models)	X	
Soft landing system for spreader		X
Mechanical Pile Slope	X	
Powered Pile Slope	IH	CH
Dampening cylinders	X	
Powered dampening cylinders		X
Wide Twistlock Position (WTP) container handling		X
Intermodal handling - top / bottom pick	CH	
Tool changer		X
Attachments for steel load handling		X
Attachments for wind industry load handling		X
Barge container handling		X
4 lifting eyes located on end beam corners	X	
4 lifting eyes located under centre beam of spreader		X
Spreader guides located at end of spreader beams		X
Rotation stops with override	X	
Automatic one-touch extend/retract (20'/40') for spreader		X
Stops for 30' containers		X
Vertical lift		X
Stops for 20-40' containers		X
VISIBILITY	STD	OPT
External wide angle mirrors mounted on rear of front fenders	X	
External wide angle mirrors mounted on top of front fenders	IH	CH
Rear view camera system		X
Halogen work lights	X	
High performance LED work lights		X
LED twistlock indicator lights	X	
LED stop/tail/brake lights	X	
Turn signals, hazard & marker lights (LED)	X	
APPEARANCE	STD	OPT
Hyster yellow paint base truck and spreader	X	
Special paint base truck and spreader		X
SUPPLEMENTAL	STD	OPT
Literature package	X	
Operator's manual	X	
Warranty: 24 Months / 4,000 Hours Parts & Labor manufacturer's warranty	X	
Warranty: 12 Months / 2,000 Hours Parts & Labor manufacturer's warranty		X
CE certification*	X	

ERGONOMICS	STD	OPT
Powered partial-sliding cabin, including additional mirrors on top of fenders	X	
Powered full-sliding cabin, including rear view mirrors, front rail, right side stairway, and handrails		X
Full steel cab operator compartment	X	
Elevating operator cabin		X
Isolated mounting for low noise and vibration	X	
Operator presence system	X	
Mechanical suspension seat	X	
Deluxe air suspension seat		X
Low backrest*	X	
High backrest*		X
Cloth seat cover	X	
Vinyl seat cover		X
Seat heating		X
2-point red high visibility seatbelt	X	
3-point red high visibility seatbelt		X
Floor mat	X	
Coat hook	X	
Front, top and rear wipers	X	
"H"-pattern front wiper	X	
"I"-pattern front wiper		X
Front and rear window defrosters	X	
Left side handrails, stairway and cabin door	X	
Right side door	X	
Right side handrails and stairway		X
Left side stair lights		X
7" Color digital operator display	X	
Seat-side joystick hydraulic control	X	
Steering wheel spinner knob	X	
Directional control lever	X	
Manual park brake	X	
Automatic park brake		X
Interior wide angle mirrors	X	
Heater with 3 speed fan	X	
Telescoping & tilting steering column	X	
DC/DC converter 24 volt/12 volt with socket		X
DC/DC converter 24 volt/12 volt 2nd 12 volt socket		X
Air conditioning		X
Reading light		X
Sun shades on top and rear		X
Trainer seat		X
Recirculation fan		X
Rear locking console		X
Accessory mounting post		X
Heated top window		X
Radio preparation set-up (wiring, two speakers and antenna)		X
OPERATION	STD	OPT
Electric air horn 112 dB	X	
Visible alarm – Amber strobe light	X	
Audible alarm – reverse direction activated 82–102 dB(A), self-adjusting	X	
Forward motion alarm		X
Seatbelt interlock for engine start		X
Seatbelt indicator light on top of cab		X
Tyre pressure monitoring system		X
Lockable battery disconnect switch	X	
Battery jump start connection (NATO plug)		X
Adjustable automatic “empty seat” engine shutdown		X
Key switch start		X
Key switch start with seat belt interlock for engine start and operation		X
Non-locking fuel cap	X	
Lockable fuel cap		X
Diesel fuel inlet strainer in filler neck		X
Hyster Tracker wireless asset management system	X	
Hyster Tracker wireless asset management - monitoring		X
Hyster Tracker wireless asset management - access / verification		X
Auto greasing system for basic truck & outer boom		X
Auto greasing system for inner boom and spreader		X
Fire suppression system		X
24 volt electrical system	X	
Engine block heater 110 & 240 volt		X
Steer wheel lug nut protection	X	
Engine compartment light		X

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

CONTAINER HANDLER SPREADERS	
ISO CONTAINER SPREADER WITH MPS	ISO CONTAINER SPREADER WITH PPS
	
INTERMODAL HANDLER SPREADER	
	
	
SPREADER FOR BULK LOAD HANDLING	
ISO CONTAINER TIPPING SPREADER	
	

TOOL CHANGER AND ATTACHMENTS	
TOOL CHANGER	CH SPREADER FOR TOOL CHANGER
	
SLAB HANDLER FOR TOOL CHANGER	C-HOOK FOR TOOL CHANGER
	
SPREADER FOR COIL HANDLING	
C-HOOK SPREADER	
	
SPREADER FOR BARGE HANDLING	
OVERSIZED LEG SPREADER	
	

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HYSTER EUROPE

Centennial House, Frimley Business Park, Frimley, Surrey, GU16 7SG, England.

Tel: +44 (0) 1276 538500

 www.hyster.eu  infoeurope@hyster.com  [/HysterEurope](https://www.facebook.com/HysterEurope)  [@HysterEurope](https://twitter.com/HysterEurope)  [/HysterEurope](https://www.youtube.com/HysterEurope)  www.hyster-bigtrucks.com

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