

# RS46 SERIES

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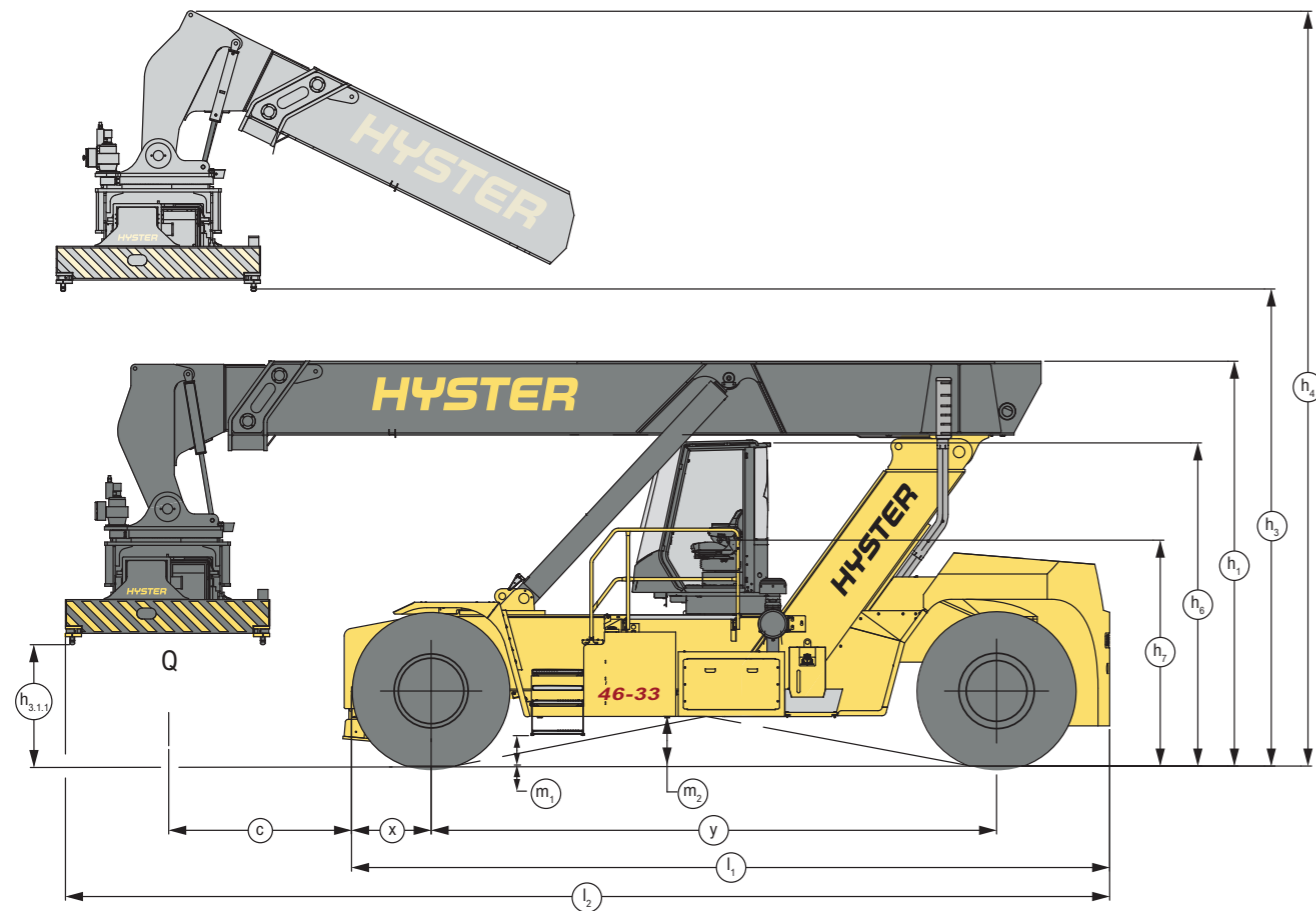


**REACHSTACKER**

**PRODUCT TECHNICAL GUIDE**

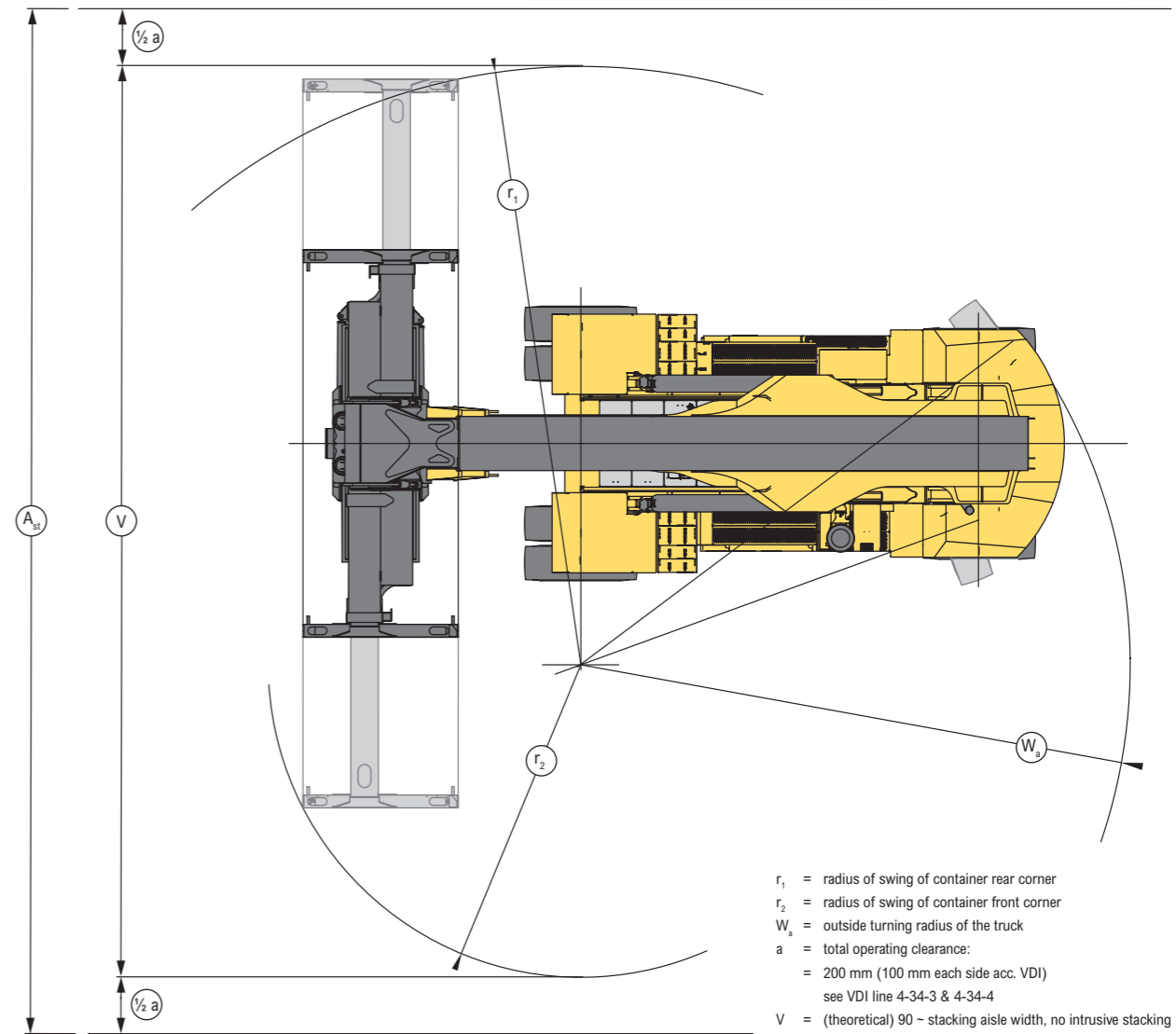
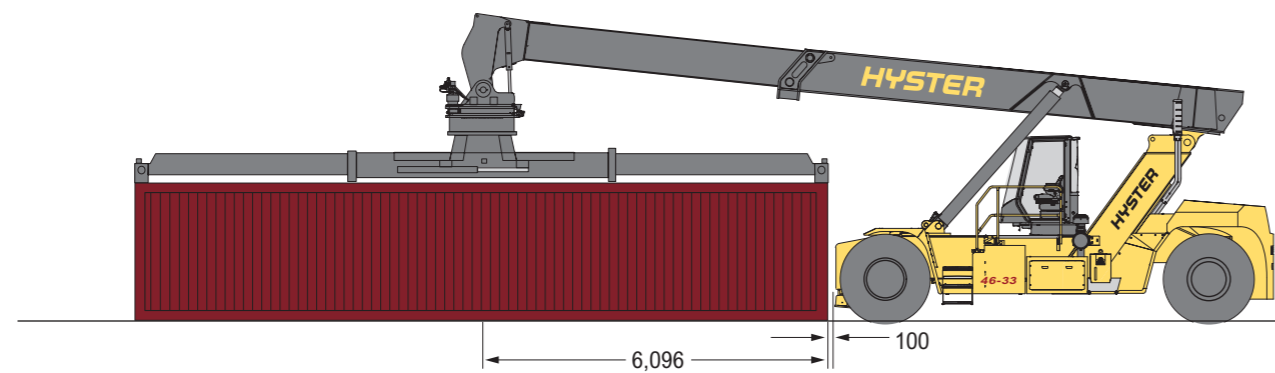
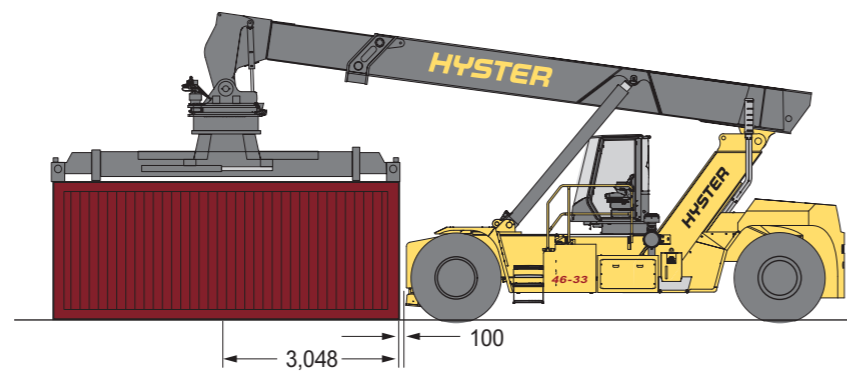


[WWW.HYSTER.COM](http://WWW.HYSTER.COM)

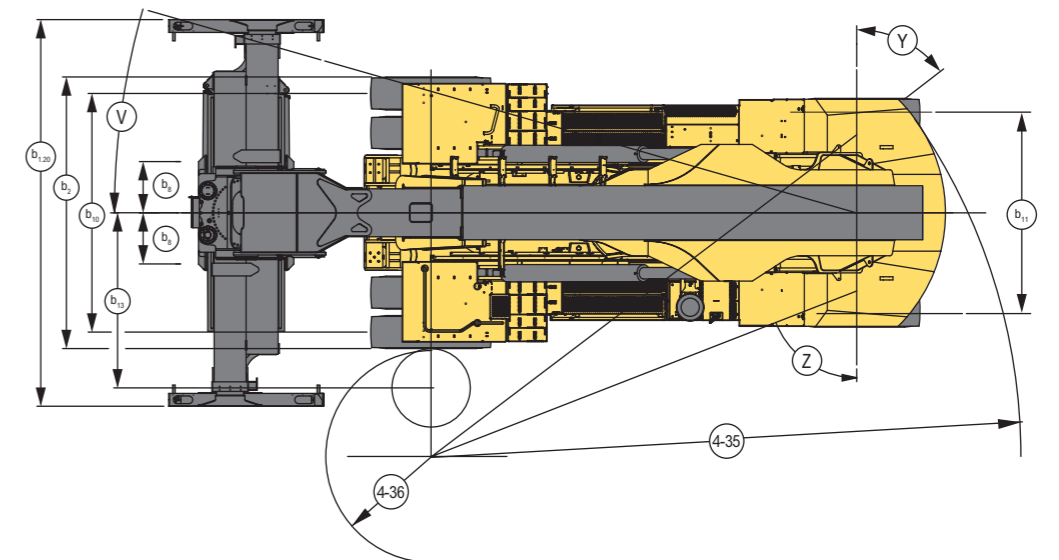


**MAXIMUM CAPACITY CONTAINER PICKING END TO END**

MODEL	20'	40'
	kg	kg
RS46-29XD/62	32,000	14,000
RS46-33XD/62	35,000	16,000
RS46-36XD/62	42,000	20,000
RS46-41XD/62S	44,900	26,300
RS46-41XD/67	44,900	26,300
RS46-41XD/67S	44,900	30,300
RS46-41XD/75S	44,900	30,500



- $r_1$  = radius of swing of container rear corner
- $r_2$  = radius of swing of container front corner
- $W_a$  = outside turning radius of the truck
- $a$  = total operating clearance:  
= 200 mm (100 mm each side acc. VDI)  
see VDI line 4-34-3 & 4-34-4
- $V$  = (theoretical) 90° stacking aisle width, no intrusive stacking
- $V = r_2 + \text{the larger of } r_1 \text{ or } W_a$
- $A_{st}$  = (practical) 90° stacking aisle width, no intrusive stacking and with clearance
- $A_{st} = V + a$



GENERAL	1-1	Manufacturer	HYSTER					
	1-2	Model designation	RS46-29XD/62	RS46-33XD/62	RS46-36XD/62	RS46-41XD/67		
	1-3	Drive	Diesel					
	1-4	Operator type	Seated					
	1-5-1	Load capacity at load centre distance $c_1$ without/stabiliser	$Q_1$	kg 46,000 / n/a				
	1-5-2	Load capacity at load centre distance $c_2$ without/stabiliser	$Q_2$	kg 29,000 / n/a	33,000 / n/a	36,000 / n/a	41,000 / n/a	
	1-5-3	Load capacity at load centre distance $c_3$ without/stabiliser	$Q_3$	kg 14,000 / n/a	17,000 / n/a	19,000 / n/a	23,000 / n/a	
	1-6-1	Load centre distance $c_1$ (1)	$c_1$	mm 1,865				
	1-6-2	Load centre distance $c_2$ (1)	$c_2$	mm 3,815				
	1-6-3	Load centre distance $c_3$ (1)	$c_3$	mm 6,315				
1-8	Load distance, ctr of drive axle to face of front tyres/front of stabiliser	x	mm 835 / n/a		930 / n/a			
1-9	Wheelbase	y	mm 6,200		6,700			
1-10	Stacking height at first row (number x container height)	#	5 x 9' 6"					
WEIGHT	2-1	Service weight	kg 66,700		69,400		76,600	79,900
	2-2	Axle loading with load, front / rear at $c_1$	kg 99,400 / 13,300		99,200 / 16,200		101,400 / 21,200	101,500 / 24,400
	2-3	Axle loading without load, front / rear at $c_1$	kg 33,300 / 33,400		33,100 / 36,300		34,700 / 41,900	36,300 / 43,600
WHEELS	3-1	Tyre type front / rear	Pneumatic					
	3-2	Tyre size, front	18.00-25 40PR		18.00-33 36PR			
	3-3	Tyre size, rear	18.00-25 40PR		18.00-33 36PR			
	3-5	Wheels, number front / rear (X = driven wheels)	x4 / 2					
	3-6	Tread, front	$b_{10}$	mm 3,703				
	3-7	Tread, rear	$b_{11}$	mm 3,060				
	4-1	Boom angle minimum / maximum	(°)	0 / 59				
DIMENSIONS	4-2	Height of boom lowered	$h_1$	mm 4,700		4,795		
	4-4-1	Lift height at load centre $c_1$ (2)	$h_{3,1}$	mm 15,190		15,285		
	4-4-2	Lift height at load centre $c_2$ (2)	$h_{3,2}$	mm 13,780		13,875		
	4-5	Height, boom extended	$h_4$	mm 18,110		18,205		
	4-7	Height of overhead guard (cabin)	$h_6$	mm 3,720		3,815		
	4-8	Seat height to SIP (3)	$h_7$	mm 2,555		2,650		
	4-15	Height under Twistlock - lowered (2)	$h_{13}$	mm 1,275		1,370		
	4-19	Overall length	$l_1$	mm 8,360		8,650		9,150
	4-20	Overall length including boom retracted	$l_2$	mm 11,873		12,073		12,573
	4-21-1	Overall width across all of truck	$b_2$	mm 4,200				
	4-21-2	Overall width across spreader 20'	$b_{1,20}$	mm 6,100				
	4-21-3	Overall width across spreader 40'	$b_{1,40}$	mm 12,200				
	4-31	Ground clearance, lowest point	$m_1$	mm 296		315		
	4-32	Ground clearance, centre of wheelbase	$m_2$	mm 459		544		
	4-34-1	Aisle width: 20' container (4) (5)	$Ast_{20}$	mm 12,639		13,330		13,430
	4-34-2	Aisle width: 40' container (4) (5)	$Ast_{40}$	mm 14,403		14,620		
4-35	Outside turning radius	$W_a$	mm 8,420		9,200		9,300	
4-36	Internal turning radius	$b_{13}$	mm 1,500		2,000		2,400	
PERFORMANCE - STAGE IIIA	5-1-1	Travel speed with Stage IIIA - 250 kW engine, laden / unladen	km/h 20 / 23					
	5-1-2	Travel speed with Stage IIIA - 250 kW engine, laden / unladen, backwards	km/h 17 / 18		18 / 19			
	5-2-1	Lift speed with Stage IIIA - 250 kW engine, first row average, laden (35 ton) / unladen	m/s 0.28 / 0.48					
	5-3	Lowering speed laden / unladen	m/s 0.46 / 0.45					
	5-7	Gradeability with Stage IIIA - 250 kW engine, laden / unladen 1.6km/h (6)	% 26 / 35		27 / 35		23 / 35	22 / 35
PERFORMANCE - STAGE V	5-1-1	Travel speed laden / unladen	km/h 20 / 23		21 / 23		20 / 23	
	5-1-2	Travel speed laden / unladen, backwards	km/h 15 / 16					
	5-2-1	Lifting speed laden / unladen (260cc pump option)	m/s 0.25 / 0.42					
	5-2-2	Lifting speed laden / unladen (294cc pump option)	m/s 0.28 / 0.48					
	5-3	Lowering speed laden / unladen	m/s 0.46 / 0.45					
	5-7	Gradeability - 1.6 km/h, with / without load (6)	% 27 / 31		26 / 31		22 / 31	21 / 31

(1) From face of front tyres. Deduct 100 mm for load centre from front side of Stabiliser 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  
 (4) These data are with the container carried 500 mm in front of the wheels (load centre 1720 mm)  
 (5) Stacking aisle width is based on the VDI 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.  
 (6) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

GENERAL	1-1	Manufacturer	HYSTER					
	1-2	Model designation	RS46-41XD/62S	RS46-41XD/67S	RS46-41XD/75S			
	1-3	Drive	Diesel					
	1-4	Operator type	Seated					
	1-5-1	Load capacity at load centre distance $c_1$ without/stabiliser	$Q_1$	kg 46,000 / 46,000				
	1-5-2	Load capacity at load centre distance $c_2$ without/stabiliser	$Q_2$	kg 38,000 / 41,000	41,000 / 41,000			
	1-5-3	Load capacity at load centre distance $c_3$ without/stabiliser	$Q_3$	kg 21,000 / 28,000	23,000 / 30,000	25,000 / 34,100		
	1-6-1	Load centre distance $c_1$ (1)	$c_1$	mm 1,865				
	1-6-2	Load centre distance $c_2$ (1)	$c_2$	mm 3,815				
	1-6-3	Load centre distance $c_3$ (1)	$c_3$	mm 6,315				
1-8	Load distance, ctr of drive axle to face of front tyres/front of stabiliser	x	mm 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"					
WEIGHT	2-1	Service weight	kg 80,600		82,000			
	2-2	Axle loading with load, front / rear at $c_1$	kg 102,900 / 23,700		103,800 / 24,200		102,000 / 26,000	
	2-3	Axle loading without load, front / rear at $c_1$	kg 36,100 / 44,500		38,600 / 43,400		38,850 / 43,150	
WHEELS	3-1	Tyre type front / rear	Pneumatic					
	3-2	Tyre size, front	18.00-33 36PR		18.00-33 36PR			
	3-3	Tyre size, rear	18.00-33 36PR		18.00-33 36PR			
	3-5	Wheels, number front / rear (X = driven wheels)	x4 / 2					
	3-6	Tread, front	$b_{10}$	mm 3,703				
	3-7	Tread, rear	$b_{11}$	mm 3,060				
	4-1	Boom angle minimum / maximum	(°)	0 / 59		3 / 58		
DIMENSIONS	4-2	Height of boom lowered	$h_1$	mm 4,795		5,457		
	4-4-1	Lift height at load centre $c_1$ (2)	$h_{3,1}$	mm 15,285		15,155		
	4-4-2	Lift height at load centre $c_2$ (2)	$h_{3,2}$	mm 13,875		14,085		
	4-5	Height, boom extended	$h_4$	mm 18,205		18,420		
	4-7	Height of overhead guard (cabin)	$h_6$	mm 3,815		3,815		
	4-8	Seat height to SIP (3)	$h_7$	mm 2,650		2,650		
	4-15	Height under Twistlock - lowered (2)	$h_{13}$	mm 1,370		1,765		
	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
	4-21-1	Overall width across all of truck	$b_2$	mm 4,200				
	4-21-2	Overall width across spreader 20'	$b_{1,20}$	mm 6,100				
	4-21-3	Overall width across spreader 40'	$b_{1,40}$	mm 12,200				
	4-31	Ground clearance, lowest point	$m_1$	mm 250		250		
	4-32	Ground clearance, centre of wheelbase	$m_2$	mm 544		544		
	4-34-1	Aisle width: 20' container (4)(5)	$Ast_{20}$	mm 13,330		13,430		14,780
	4-34-2	Aisle width: 40' container (4)(5)	$Ast_{40}$	mm 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	
PERFORMANCE - STAGE IIIA	5-1-1	Travel speed with Stage IIIA - 250 kW engine, laden / unladen	km/h 20 / 23					
	5-1-2	Travel speed with Stage IIIA - 250 kW engine, laden / unladen, backwards	km/h 18 / 19		18 / 19			
	5-2-1	Lift speed with Stage IIIA - 250 kW engine, first row average, laden (35 ton) / unladen	m/s 0.28 / 0.48					
	5-3	Lowering speed laden / unladen	m/s 0.46 / 0.45					
	5-7	Gradeability with Stage IIIA - 250 kW engine, laden / unladen 1.6km/h (6)	% 22 / 35		21 / 34			
PERFORMANCE - STAGE V	5-1-1	Travel speed laden / unladen	km/h 20 / 23		20 / 23			
	5-1-2	Travel speed laden / unladen, backwards	km/h 15 / 16					
	5-2-1	Lifting speed laden / unladen (260cc pump option)	m/s 0.25 / 0.42					
	5-2-2	Lifting speed laden / unladen (294cc pump option)	m/s 0.28 / 0.48					
	5-3	Lowering speed wladen / unladen	m/s 0.46 / 0.45					
	5-7	Gradeability - 1.6 km/h, laden / unladen (6)	% 21 / 30		21 / 30			

(1) From face of front tyres. Deduct 100 mm for load centre from front side of Stabiliser 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  
 (4) These data are with the container carried 500 mm in front of the wheels (load centre 1720 mm)  
 (5) Stacking aisle width is based on the VDI 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.  
 (6) Gradeability figures are provided for comparison of tractive performance, but are not intended to endorse the operation of vehicle on the stated inclines.

GENERAL	1-1	Manufacturer	HYSTER					
	1-2	Model designation	RS46-29XD/62	RS46-33XD/62	RS46-36XD/62	RS46-41XD/67		
	1-3	Drive	Diesel					
	1-4	Operator type	Seated					
	1-5-1	Load capacity at load centre distance $c_1$ without/with stabiliser	$Q_1$	kg	45,000 / 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			
	1-6-2	Load centre distance $c_2$ (1)	$c_2$	mm	3,815			
	1-6-3	Load centre distance $c_3$ (1)	$c_3$	mm	6,315			
1-8	Load distance, ctr of drive axle to face of front tyres/front of stabiliser	x	mm	835 / n/a	930 / n/a			
1-9	Wheelbase	y	mm	6,200		6,700		
1-10	Stacking height at first row (number x container height)	#	5 x 9' 6"					
WEIGHT	2-1	Service weight	kg	70,600	73,300	80,500	83,800	
	2-2	Axle loading with load, front / rear at $c_1$	kg	103,400 / 12,200	103,200 / 15,100	107,000 / 19,500	107,000 / 22,800	
	2-3	Axle loading without load, front / rear at $c_1$	kg	38,800 / 31,800	38,600 / 34,700	40,200 / 40,300	41,800 / 42,000	
WHEELS	3-1	Tyre type front / rear	Pneumatic					
	3-2	Tyre size, front	18.00-25 40PR		18.00-33 36PR			
	3-3	Tyre size, rear	18.00-25 40PR		18.00-33 36PR			
	3-5	Wheels, number front / rear (X = driven wheels)	x4 / 2					
	3-6	Tread, front	$b_{10}$	mm	3,703			
	3-7	Tread, rear	$b_{11}$	mm	3,060			
	DIMENSIONS	4-1	Boom angle minimum / maximum	(°)	0 / 59			
4-2		Height of boom lowered	$h_1$	mm	4,700	4,795		
4-4-1		Lift height at load centre $c_1$ (2)	$h_{3,1}$	mm	14,800	14,895		
4-4-2		Lift height at load centre $c_2$ (2)	$h_{3,2}$	mm	13,395	13,490		
4-5		Height, boom extended	$h_4$	mm	18,110	18,205		
4-7		Height of overhead guard (cabin)	$h_6$	mm	3,720	3,815		
4-8		Seat height to SIP (3)	$h_7$	mm	2,555	2,650		
4-15		Height under Twistlock - lowered (2)	$h_{13}$	mm	905	1,000		
4-19		Overall length	$l_1$	mm	8,360	8,650	9,150	
4-20		Overall length including boom retracted	$l_2$	mm	11,873	12,073	12,573	
4-21-1		Overall width across all of truck	$b_2$	mm	4,200			
4-21-2		Overall width across spreader 20'	$b_{1,20}$	mm	6,100			
4-21-3		Overall width across spreader 40'	$b_{1,40}$	mm	12,200			
4-31		Ground clearance, lowest point	$m_1$	mm	296	315		
4-32		Ground clearance, centre of wheelbase	$m_2$	mm	459	544		
4-34-1		Aisle width: 20' container (4) (5)	$Ast_{20}$	mm	12,639	12,639	13,330	13,430
4-34-2		Aisle width: 40' container (4) (5)	$Ast_{40}$	mm	14,403	14,620		
4-35		Outside turning radius	$W_a$	mm	8,420	9,200	9,300	
4-36	Internal turning radius	$b_{13}$	mm	1,500	2,000	2,400		
PERFORMANCE - STAGE IIIA	5-1-1	Travel speed with Stage IIIA - 250 kW engine, laden / unladen	km/h	20 / 23				
	5-1-2	Travel speed with Stage IIIA - 250 kW engine, laden / unladen, backwards	km/h	17 / 18	18 / 19			
	5-2-1	Lift speed with Stage IIIA - 250 kW engine, first row average, laden (35 ton) / unladen	m/s	0.27 / 0.47				
	5-3	Lowering speed laden / unladen	m/s	0.46 / 0.45				
	5-7	Gradeability with Stage IIIA - 250 kW engine, laden / unladen 1.6km/h (6)	%	26 / 35	27 / 35	23 / 35	22 / 35	
PERFORMANCE - STAGE V	5-1-1	Travel speed laden / unladen	km/h	20 / 23				
	5-1-2	Travel speed laden / unladen, backwards	km/h	15 / 16				
	5-2-1	Lifting speed laden / unladen (260cc pump option)	m/s	0.24 / 0.41				
	5-2-2	Lifting speed laden / unladen (294cc pump option)	m/s	0.27 / 0.47				
	5-3	Lowering speed laden / unladen	m/s	0.46 / 0.45				
5-7	Gradeability - 1.6 km/h, laden / unladen (6)	%	26 / 31	25 / 31	21 / 30	20 / 29		

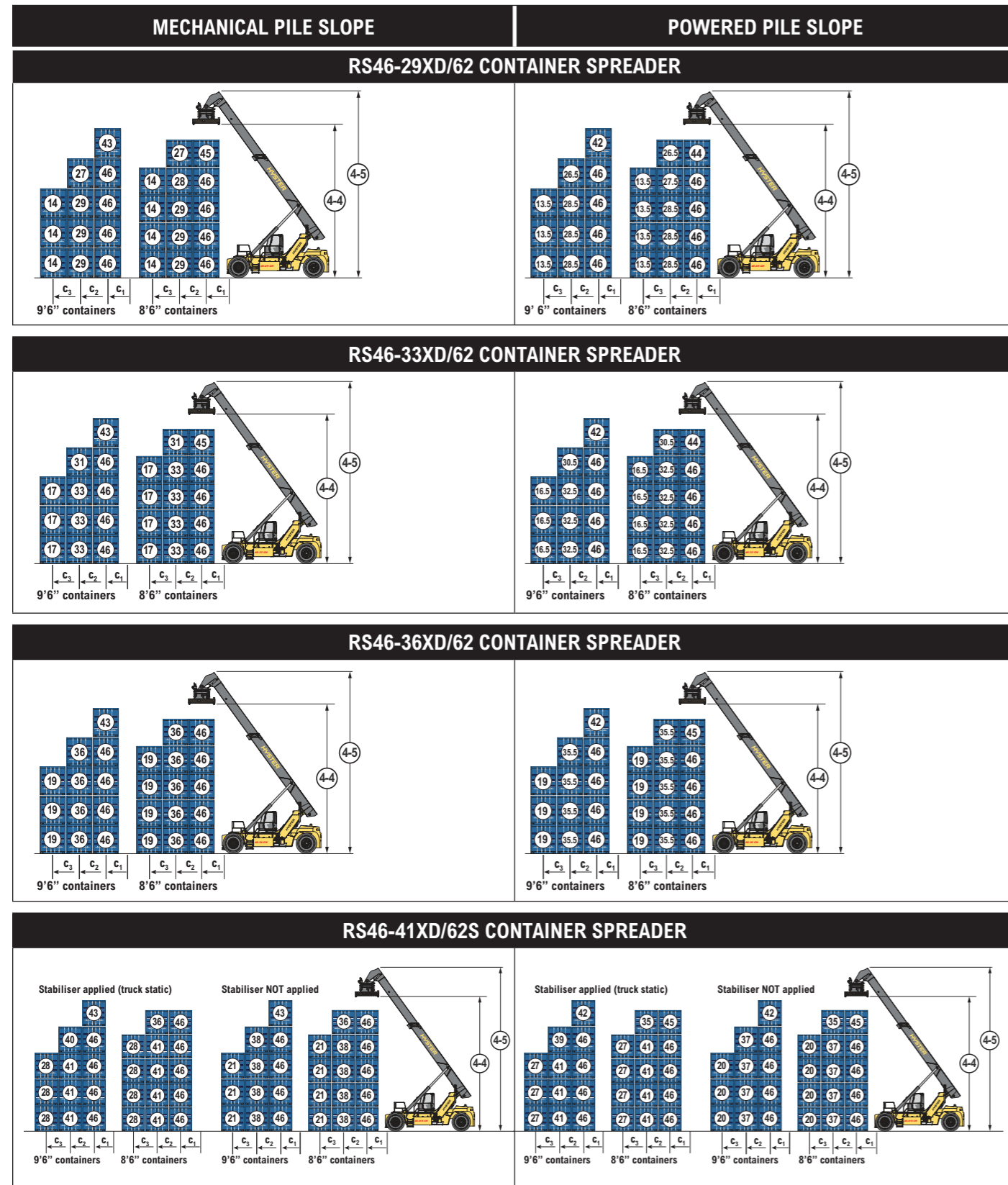
(1) From face of front tyres. Deduct 100mm for load centre from front side of Stabiliser when applicable  
 (2) For CH models only: With optional P(owered) P(ile) S(lope) function: deduct 310mm  
 (3) Full suspension seat in depressed position  
 (4) These data are with the container carried 500mm in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

GENERAL	1-1	Manufacturer	HYSTER						
	1-2	Model designation	RS46-41XD/62S	RS46-41XD/67S	RS46-41XD/75S				
	1-3	Drive	Diesel						
	1-4	Operator type	Seated						
	1-5-1	Load capacity at load centre distance $c_1$ without/with stabiliser	$Q_1$	kg	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			
	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				
	1-6-2	Load centre distance $c_2$ (1)	$c_2$	mm	3,815				
	1-6-3	Load centre distance $c_3$ (1)	$c_3$	mm	6,315				
1-8	Load distance, ctr of drive axle to face of front Tyres/front of stabiliser	x	mm	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"						
WEIGHT	2-1	Service weight	kg	84,500	85,900	85,900			
	2-2	Axle loading with load, front / rear at $c_1$	kg	108,400	22,100	109,200	22,700	107,300	24,700
	2-3	Axle loading without load, front / rear at $c_1$	kg	41,700	42,800	44,000	41,900	44,100	41,800
WHEELS	3-1	Tyre type front / rear	Pneumatic						
	3-2	Tyre size, front	18.00-33 36PR						
	3-3	Tyre size, rear	18.00-33 36PR						
	3-5	Wheels, number front / rear (X = driven wheels)	x4 / 2						
	3-6	Tread, front	$b_{10}$	mm	3,703				
	3-7	Tread, rear	$b_{11}$	mm	3,060				
	DIMENSIONS	4-1	Boom angle minimum / maximum	(°)	0 / 59				
4-2		Height of boom lowered	$h_1$	mm	4,795	5,457			
4-4-1		Lift height at load centre $c_1$ (2)	$h_{3,1}$	mm	14,895	14,785			
4-4-2		Lift height at load centre $c_2$ (2)	$h_{3,2}$	mm	13,490	13,718			
4-5		Height, boom extended	$h_4$	mm	18,205	18,420			
4-7		Height of overhead guard (cabin)	$h_6$	mm	3,815	3,815			
4-8		Seat height to SIP (3)	$h_7$	mm	2,650	2,650			
4-15		Height under Twistlock - lowered (2)	$h_{13}$	mm	1,000	1,395			
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		
4-21-1		Overall width across all of truck	$b_2$	mm	4,200				
4-21-2		Overall width across spreader 20'	$b_{1,20}$	mm	6,100				
4-21-3		Overall width across spreader 40'	$b_{1,40}$	mm	12,200				
4-31		Ground clearance, lowest point	$m_1$	mm	250				
4-32		Ground clearance, centre of wheelbase	$m_2$	mm	544				
4-34-1		Aisle width: 20' container (4) (5)	$Ast_{20}$	mm	13,330	13,430	14,780		
4-34-2		Aisle width: 40' container (4) (5)	$Ast_{40}$	mm	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			
PERFORMANCE - STAGE IIIA	5-1-1	Travel speed with Stage IIIA - 250 kW engine, laden / unladen	km/h	20 / 23					
	5-1-2	Travel speed with Stage IIIA - 250 kW engine, laden / unladen, backwards	km/h	18 / 19	19 / 22				
	5-2-1	Lift speed with Stage IIIA - 250 kW engine, first row average, laden (35 ton) / unladen	m/s	0.27 / 0.47					
	5-3	Lowering speed laden / unladen	m/s	0.46 / 0.45					
	5-7	Gradeability with Stage IIIA - 250 kW engine, laden / unladen 1.6km/h (6)	%	22 / 35	21 / 34				
PERFORMANCE - STAGE V	5-1-1	Travel speed laden / unladen	km/h	20 / 23					
	5-1-2	Travel speed laden / unladen, backwards	km/h	15 / 16					
	5-2-1	Lifting speed laden / unladen (260cc pump option)	m/s	0.24 / 0.41					
	5-2-2	Lifting speed laden / unladen (294cc pump option)	m/s	0.27 / 0.47					
	5-3	Lowering speed laden / unladen	m/s	0.46 / 0.45					
5-7	Gradeability - 1.6 km/h, laden / unladen (6)	%	26 / 29	20 / 28					

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

# RATED CAPACITIES AND STACKING HEIGHTS

(shown in 1,000 kg.)

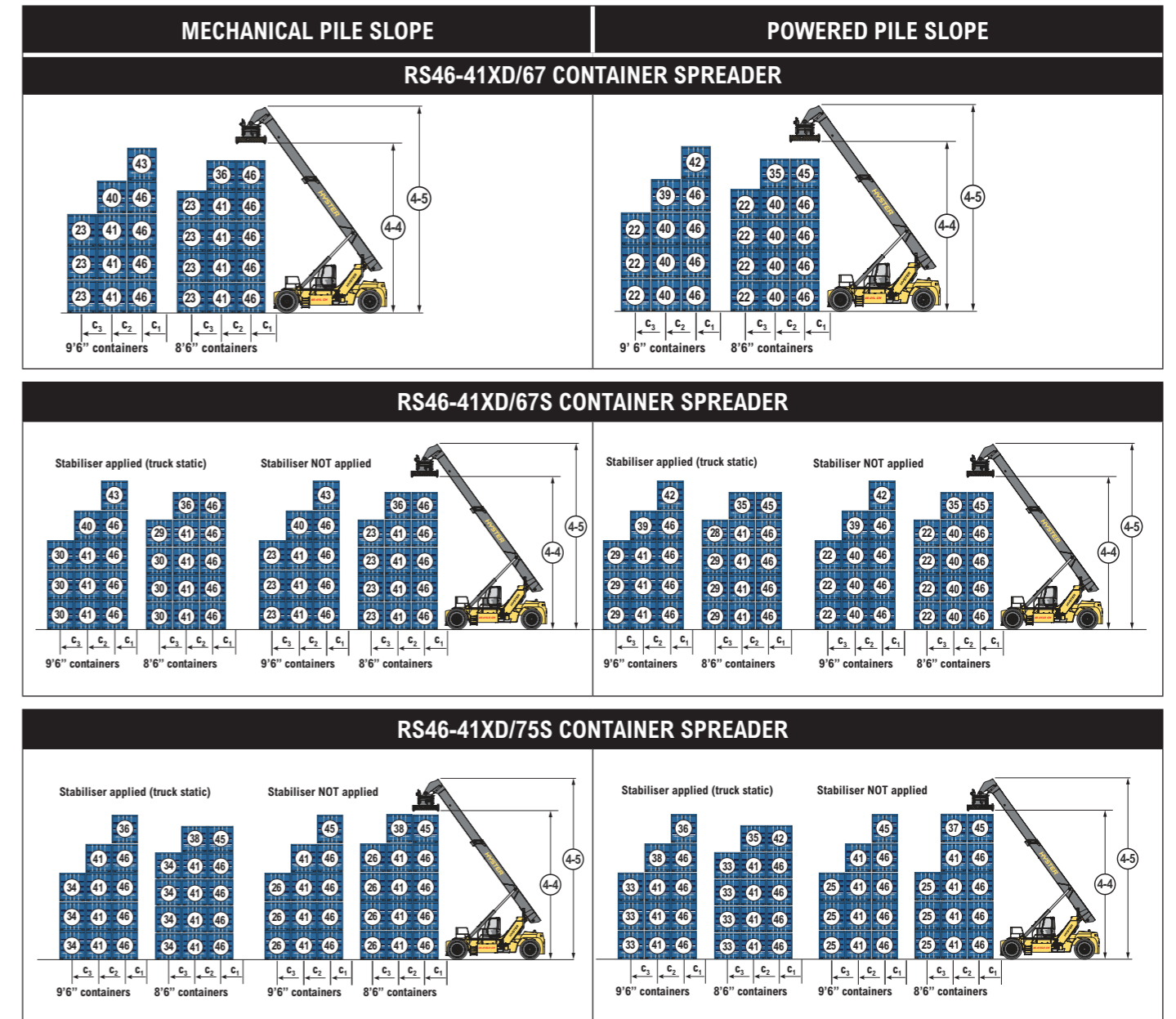


c <sub>1</sub>	c <sub>2</sub>	c <sub>3</sub>
1865mm	3815mm	6315mm

Note: All load centres c<sub>1</sub>, c<sub>2</sub>, c<sub>3</sub> are taken from the front face of the (front) tyres.

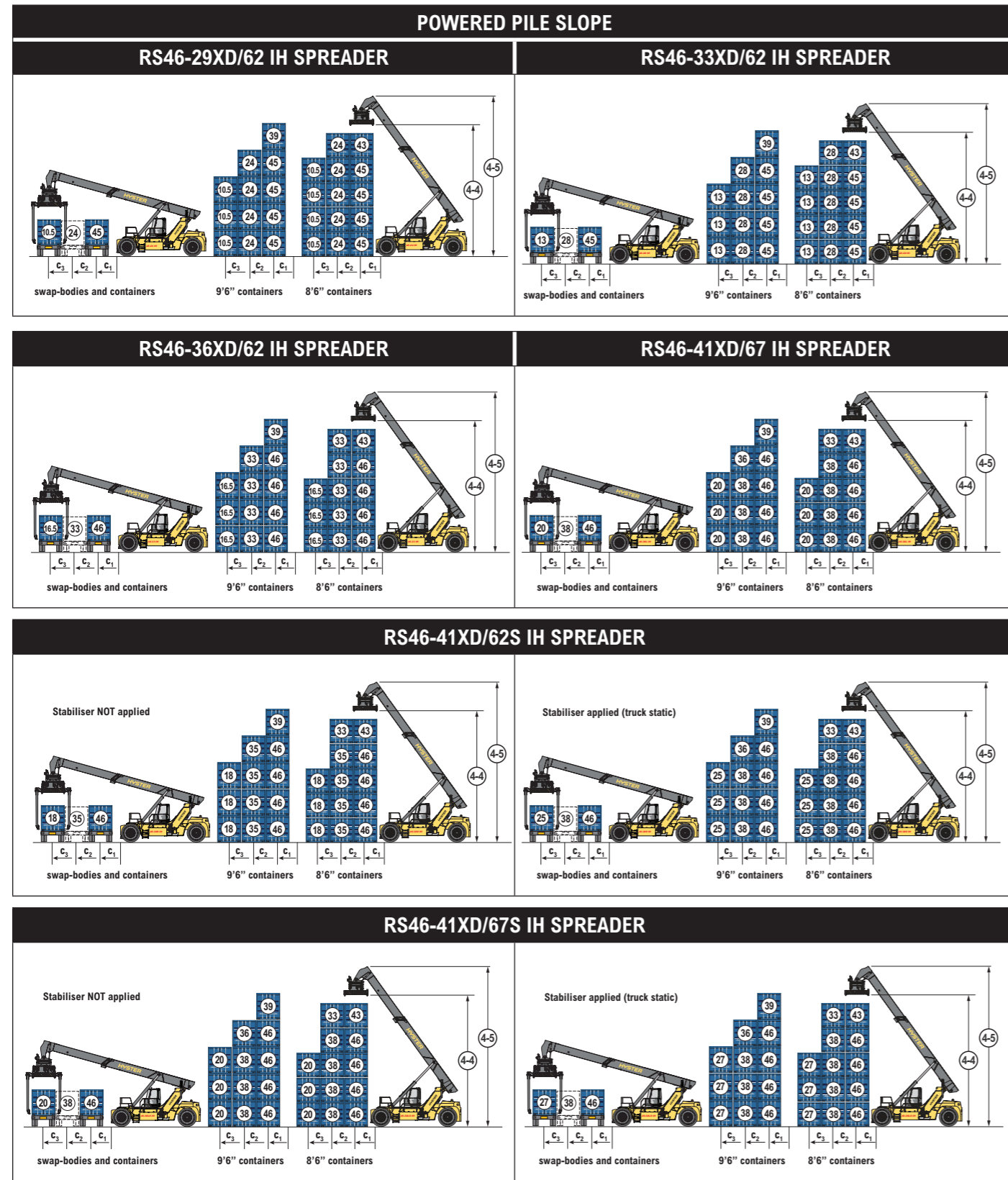
# RATED CAPACITIES AND STACKING HEIGHTS

(shown in 1,000 kg.)



# RATED CAPACITIES AND STACKING HEIGHTS

(shown in 1,000 kg.)

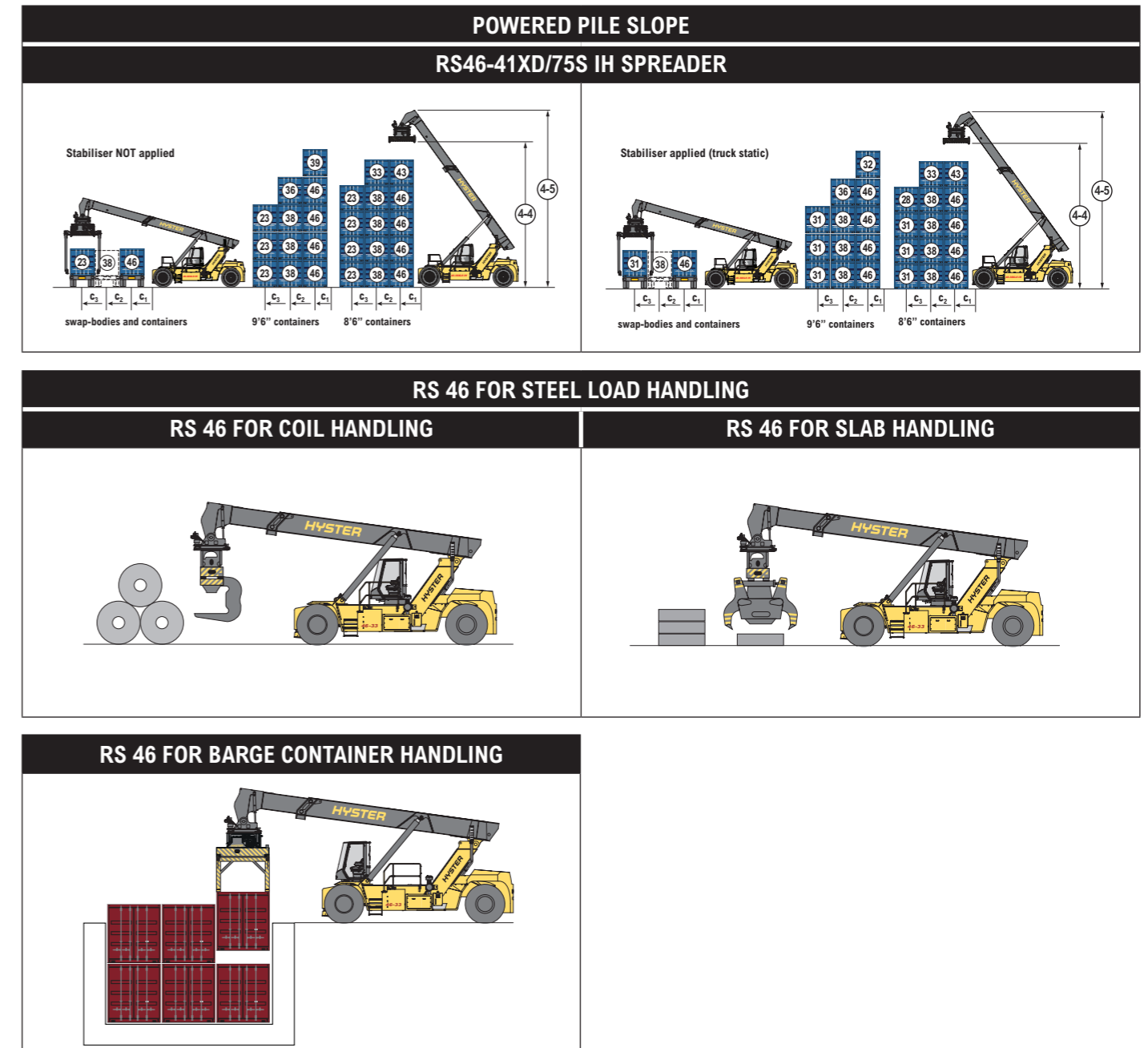


c <sub>1</sub>	c <sub>2</sub>	c <sub>3</sub>
1865mm	3815mm	6315mm

Note: All load centres c<sub>1</sub>, c<sub>2</sub>, c<sub>3</sub> are taken from the front face of the (front) tyres.

# RATED CAPACITIES AND STACKING HEIGHTS

(shown in 1,000 kg.)



**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 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 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: Truck with Stage V engine conforms to the current EU and UK CA requirements.

GENERAL	1-1	Manufacturer	HYSTER			
	1-2	Model designation	RS46-29XD/62 - RS46-41XD75S			
	1-3	Power type	Diesel			
ENGINE	7-1	Engine manufacturer / model	Cummins X12	Mercedes / OM470		
	7-1-1	Emission legislation	Stage IIIA	Stage V		
	7-2	Engine power rated to ISO 1585	kW	261 @ 2,000	240 @ 1,600	
	7-2-1	Engine power, maximum	kW	276 @ 1,800	240 @ 1,600	
	7-3	Rated speed	min <sup>-1</sup>	2,000	1,900	
	7-3-1	Engine torque @rpm	N-m/min-1	1,674 @ 1,400	1,700 @ 1,300	
	7-4	Number of cylinders / displacement	# / cm <sup>3</sup>	6 / 11,800	6 / 10,700	
7-10	Battery voltage, rated capacity	V / Ah	24 / 210			
DRIVE	8-1	Drive control / transmission	Torque converter			
	8-2	Transmission manufacturer / type	Spicer Off-Highway / TE-30			
	8-4	Transmission manufacturer / type	Type			
	8-5	Coupling	#			
	8-6	Wheel drive / drive axle manufacturer / type	Type			
ADDITIONAL DATA	10-1	Operating pressure for attachments	bar			
	10-2	Oil volume for attachments	l/m			
	10-3	Hydraulic tank capacity	l			
	10-4	Fuel tank capacity	l			
	10-4-1	DEF/AdBlue Tank capacity	l			
SPREADER	9-1	Spreader manufacturer / type	Type / #	Elme / 817	Elme / 857	
	9-1-1	Pile slope spreader, mechanical without PPS	degrees	2	-	
	9-1-2	Pile slope spreader, mechanical with PPS	degrees	1.3	1.3	
	9-1-3	Pile slope spreader, Power Pile Slope (optional for 817)	degrees	6	6	
	9-3	Size of containers	ft	ISO 20' - 40'		
	9-4	Sideshift	b8	mm	800 / 800	
	9-6-1	Rotation angle, without override	degrees	+12 / -12		
9-6-2	Rotation angle, with override	degrees	+185 / -95			

STANDARD EQUIPMENT AND OPTIONS

PERFORMANCE	STD	OPT
Mercedes Stage V Diesel engine	-	-
Cummins Stage IIIA Diesel Engine	-	-
Hydraulically driven on-demand cooling fan	X	
Powertrain protection system	X	
Heavy duty air intake	X	
High mount exhaust	X	
Spicer Off-Highway 5-speed auto-shifting transmission	X	
Kessler drive axle with wet disc brakes	X	
CE Compliance	Stage V	Stage IIIA
DRIVE	STD	OPT
Loaded Travel Speed Limiter pre-set to 20km/h depend on twist lock close signal	X	
Travel speed limiter - unconditional (adjustable)		X
Travel speed limiter - loaded (adjustable)	X	
18.00 - 25 40 Pneumatic Bias Tyres (RS46-29XD - RS46-33XD)		X
18.00 - 25 40PR Pneumatic Bridgestone STMS Slick Bias Tyres (RS46-29XD - RS46-33XD)		X
18.00 x 25 Pneumatic Goodyear Bias Tyres (RS46-29XD - RS46-33XD)		X
18.00 x 25-40 Pneumatic, E4 Bias Tyres		X
18.00 x 25 Pneumatic Goodyear Slick Radial Tyres		X
18.00 x 25 Continental Container Master E4 tyres	X	
18.00 - 33 36 Pneumatic Bias Tyres (RS46-36XD - RS46-41XD)	X	
18.00 x 33 Pneumatic Goodyear Slick Radial Tyres (RS46-36XD - RS46-41XD)		X

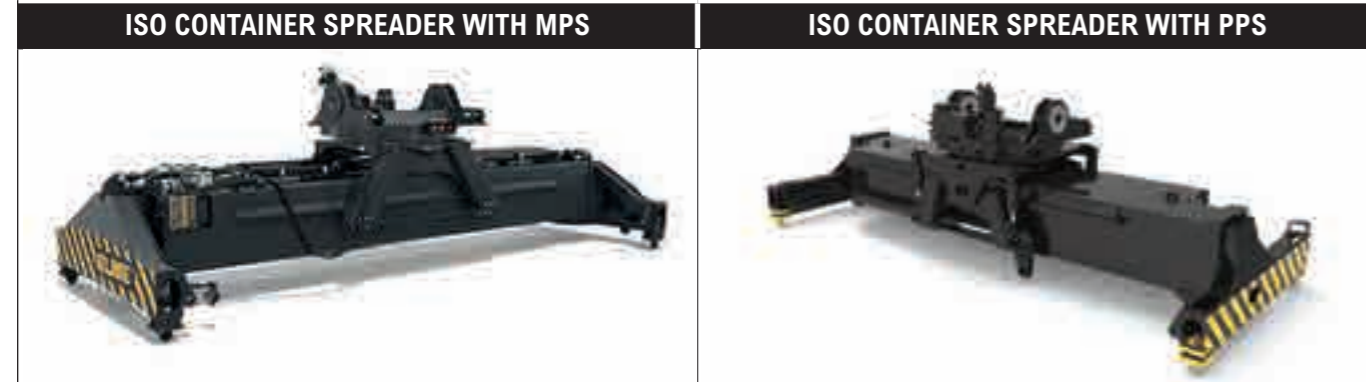
DRIVE (continued)	STD	OPT
Spare wheels and tyres		X
Rear Tyre Life Enhancement		X
LIFT	STD	OPT
260cc Pump Configuration with Dual 130cc Variable Displacement Pumps	X	
294cc Pump Configuration with Dual 147cc Variable Displacement Pumps, Stage V only		X
On-demand load sensing hydraulic system	X	
Automatic throttle-up when lifting (in neutral or inching)	X	
2-stage telescoping Boom	X	
6-high 1st row stacking		X
Load Moment Indicator (integrated in dedicated display)	X	
High speed hoist system - below 10 tons	X	
Hydraulic system temperature protection with performance de-rate		X
Digital Operator Display with Load Moment Indicator	X	
SOLAS Container Weighing System - OIML R51 Compliant		X
Static Container Load Weight System With Printer		X
Static Container Load Weight System Without Printer		X
HANDLING	STD	OPT
Hyster® 817 Top Pick Spreader 20-40ft Telescopic Spreader	X	
Hyster® 857 Intermodal Spreader with integrated and foldable piggy back legs		X
Soft landing system for spreader		X
Mechanical Pile Slope	X	

HANDLING (continued)	STD	OPT
Powered Pile Slope	IH	CH
Damping system +/- 5° on the longitudinal oscillating of the spreader.	X	
Powered dampening cylinders	IH	CH
Tool changer		X
Attachments for steel load handling		X
Attachments for wind industry load handling		X
Barge container handling		X
4 Lifting Eyes mounted under the spreader, at 1.33m centre to centre		X
4 Lifting Eyes mounted near twistlocks	X	
Bumpers on Spreader as Guide for twistlocks (Wide)		X
Bumpers on Spreader as Guide for twistlocks (Narrow)		X
Automated One-touch Spreader Extend/Retract (20'-40')		X
Automatic Hydraulic Spreader Stop at 20-40ft Position		X
30' Hydraulic Stop for Telescopic Spreader		X
Vertical Lift System		X
VISIBILITY	STD	OPT
2 External Mirrors on Front Fenders		X
External wide angle mirrors mounted on rear of front fenders	X	
External wide angle mirrors mounted on top of front fenders	IH	CH
Heated Mirrors		X
Rear Mounted Colour Camera with front mounted LCD Display		X
Rear Mounted Colour Camera with rear mounted LCD Display		X
Two Twist Lock Cameras Mounted on Spreader		X
Halogen work lights	X	
LED work lights		X
High performance LED work lights		X
LED twistlock indicator lights	X	
LED stop/tail/brake lights	X	
LED Turn signals, hazard & marker lights	X	
ERGONOMICS	STD	OPT
Enclosed Operator Cabin with Heating	X	
Enclosed Operator Cabin with Automatic Climate Control		X
Top Window with Armoured Glass	X	
Top Window with Armoured Glass and Additional Steel Bars		X
Powered partial-sliding cabin (up to 0.9m from the rear position), including additional mirrors on top of fenders	X	
Powered full-sliding cabin (up to 2.6m from the rear position), including rear view mirrors, front rail, right side stairway, and handrails	IH	CH
Elevating operator cabin		X
Isolated mounting for low noise and vibration	X	
Operator presence system	X	
Mechanical Suspension Cloth Seat	X	
Mechanical Suspension Vinyl Seat		X
Air Suspension Seat with Vinyl Cover	X	
Air Suspension Seat with Cloth Cover	X	
Deluxe Air Ride Full Suspension Vinyl Seat	X	
Deluxe Air Suspension Cloth Seat	X	
Deluxe Air Suspension Heated Cloth Seat	X	
Deluxe Air Suspension Seat with Cloth Cover, Heating and Ventilation	X	
High and Adjustable Seat Backrest	X	
Hi-Vis Red 2 Point Seat Belt	X	
Hi-Vis Red 3 Point Seat Belt		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	
Left side stair lights		X
Right side handrails, stairway and cabin door		X
Handrails and Platform on Counterweight		X
Dual 7" Digital Display	X	
Hydraulics controlled by Joystick	X	
Directional Control on Joystick	X	
Armrest on Left Side	X	
Manual park brake	X	

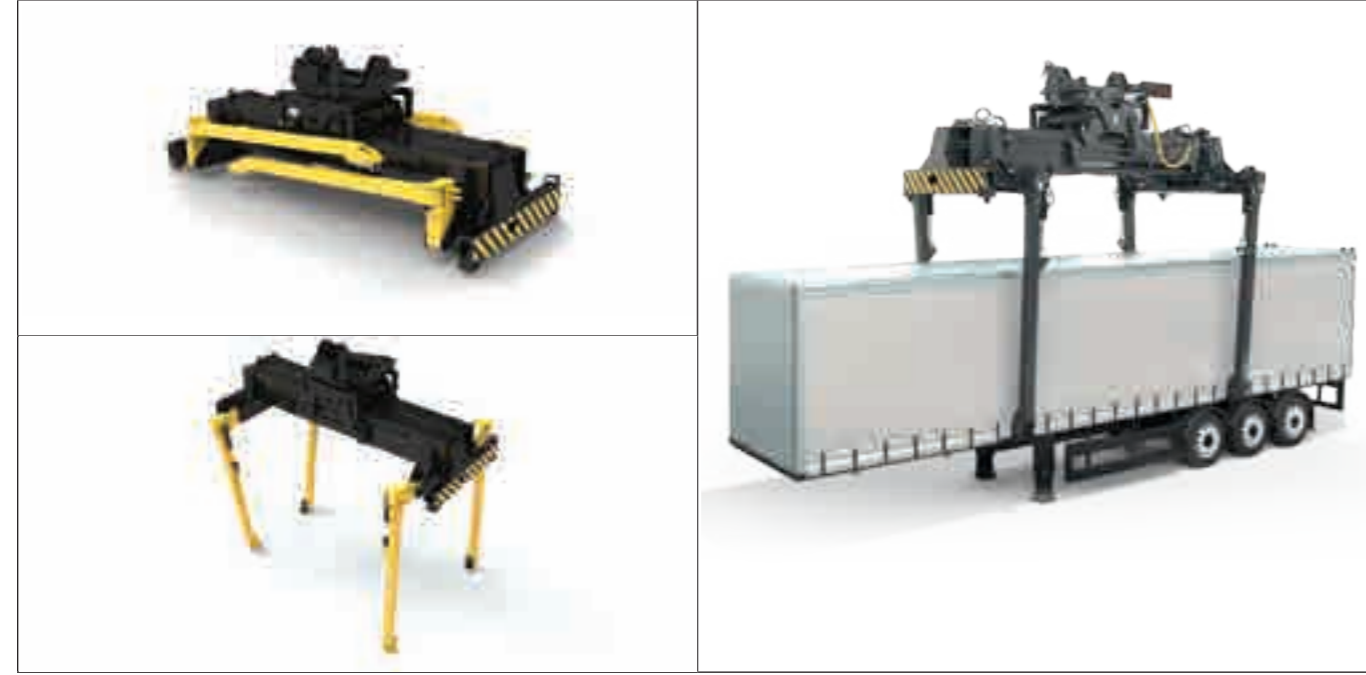
ERGONOMICS (continued)	STD	OPT
Park Brake - Automatic applied		X
Steering wheel spinner knob	X	
Telescoping & tilting steering column	X	
DC/DC 12/24V Converter with 1 Power Socket and 2 USB Outlets		X
DC/DC 12/24V Converter with 2 Power Socket and 2 USB Outlets		X
Reading light		X
Top and Rear Screen Roller Sunshade		X
2 Sun Visors for Front Window		X
Sunshades in Operator Cabin		X
Trainer Seat with Cloth Cover and 2-point High-Visibility Seatbelt		X
Recirculation fan		X
Additional Operator Fan in Cabin		X
Accessory Mounting Bar on A-Pillar		X
Heated Top and Rear Windows		X
Heated Rear Window		X
Heated Top Window		X
Tinted Cabin Windows - Applied to all Windows (SPED)		X
Tinted Top Cabin Window (SPED)		X
Radio Preparation with 2 Speakers and Antenna		X
Bluetooth Radio with 2 Speaker and Antenna		X
OPERATION	STD	OPT
Emergency Hydraulic Stop on Armrest		X
Air horn 112 dB	X	
Audible alarm - reverse direction activated 82-102 dB(A), self-adjusting	X	
Audible alarm - Forward / Reverse		X
Audible White Noise Reverse Alarm		X
Visible alarm - Strobe Light	X	
Rear Radar Object Detection System		X
Truck Start - Key switch with Start Button - without Seatbelt Interlock	X	
Truck Start - Key switch with Start Button - with Seatbelt Interlock non-sequenced		X
Truck Start - Key switch with Start Button - with Seatbelt Interlock on Sequence		X
Tyre pressure monitoring system		X
Lockable battery disconnect switch	X	
Battery jump start connection (NATO plug)		X
Automatic Truck Shutdown with Timer		X
Automatic Climate Control Shut-off with Open Door		X
Delayed Engine Shutdown for Turbo Cooldown	X	
Lockable Fuel Cap		X
Non-Lockable Fuel Cap	X	
Stainless Steel 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
Automatic Grease Basic Truck and Outer Boom		X
Automatic Grease Spreader 817 with mechanical PPS and Inner Boom		X
Automatic Grease Spreader 817 with powered pile slope and Inner Boom		X
Steer Axle with Wheel Nut Protection	X	
Automatic Fire Suppression System		X
Fuses Partially Replaced by Electric Circuit Breakers		X
Operator password (display) for Truck Start		X
Engine Oil level on Display and Dipstick (display Stage V only)	X	
Coolant level warning on display	X	
Coolant level warning on display and sight glass		X
Diesel Fueled Cab Heater (SPED)		X
APPEARANCE	STD	OPT
Hyster yellow paint base truck and spreader	X	
Special paint base truck and spreader		X
Red/White Retroreflective		X
SUPPLEMENTAL	STD	OPT
Literature package *	X	
Warranty: 12 Months / 2,000		X
Warranty: 24 Months / 4,000	X	

\*Standard or Optional in select markets or on select models.  
 Other options available through Special Products Engineering Department (SPED). Contact Hyster for details.  
 IH = Intermodal Handler / CH = Container Handler

**CONTAINER HANDLER SPREADERS**



**INTERMODAL HANDLER SPREADER**

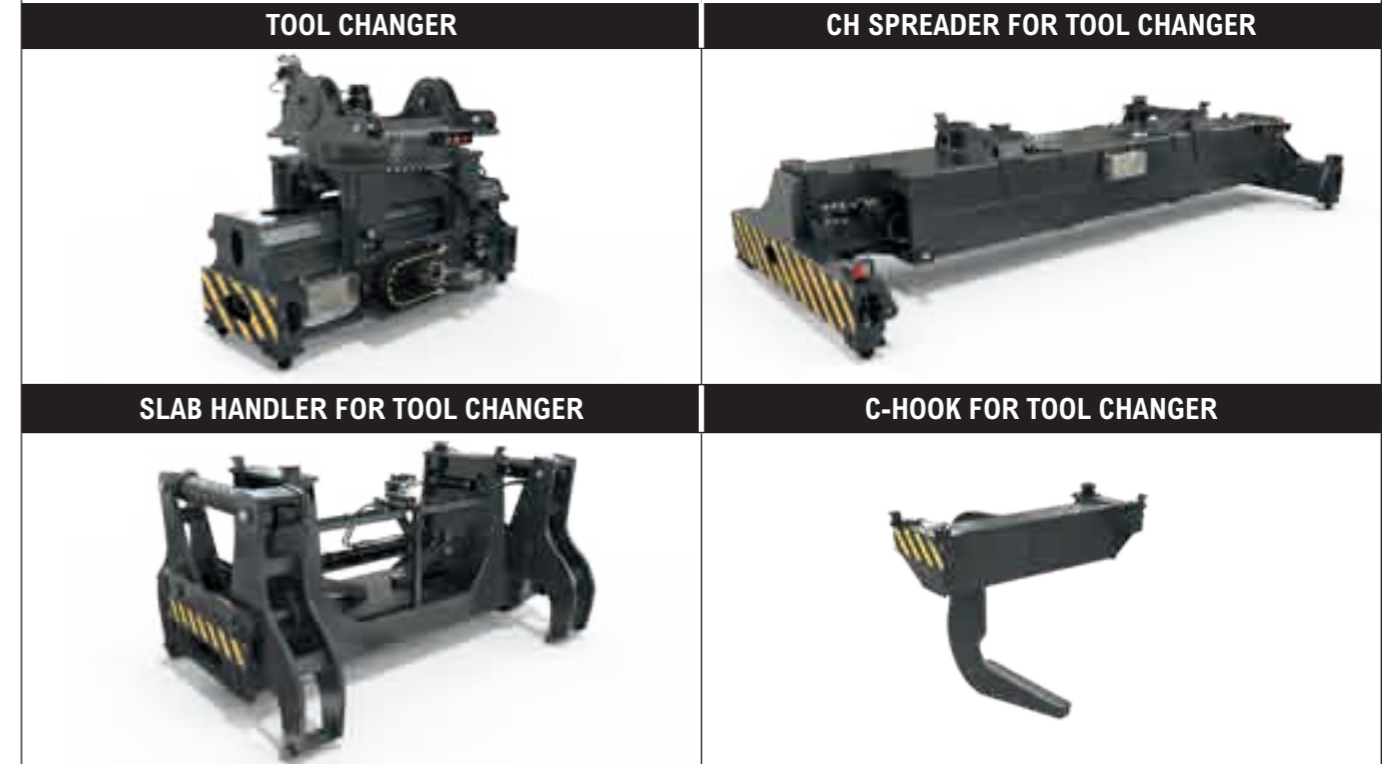


**SPREADER FOR BULK LOAD HANDLING**

**ISO CONTAINER TIPPING SPREADER**



**TOOL CHANGER AND ATTACHMENTS**



**SPREADER FOR COIL HANDLING**

**C-HOOK SPREADER**



**SPREADER FOR BARGE HANDLING**

**OVERSIZED LEG SPREADER**








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