

HIRE

SALES

SERVICE

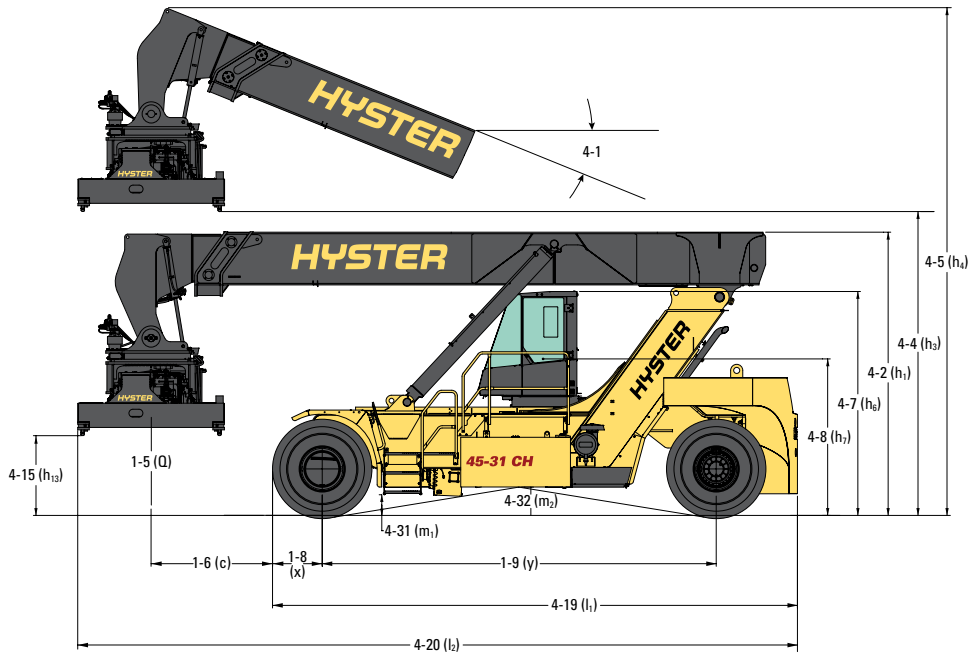
LEASE

TRANSPORT

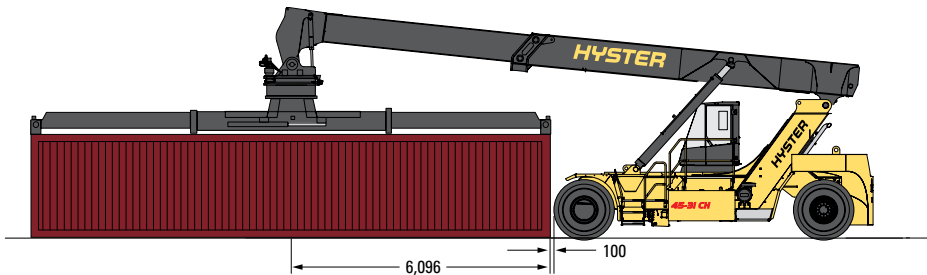
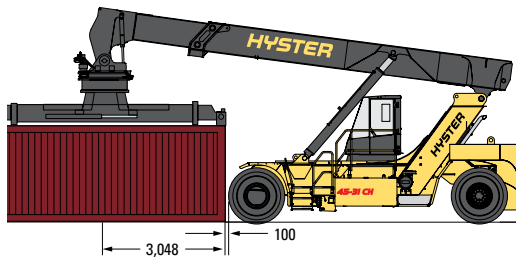
## RS45-27 CH FORKLIFT



### DIMENSIONS



MAXIMUM CAPACITY CONTAINER PICKING END TO END		
MODEL	20'	40'
	kg	kg
RS45-27	31,000	12,300
RS45-31	34,000	15,000



## RS45-27 CH FORKLIFT



### RS 45-27, RS 45-31 CONTAINER HANDLERS

		HYSTER				
		RS45-27CH (A921)		RS45-31CH (A921)		
GENERAL	1.1	Manufacturer	HYSTER			
	1.2	Model designation	RS45-27CH (A921)		RS45-31CH (A921)	
	1.3	Powertrain / drivetrain	Diesel			
	1.4	Operator type	Seated			
	1.5.1	Load capacity at load centre distance $c_1$	$Q_1$	kg	45,000	
	1.5.2	Load capacity at load centre distance $c_2$	$Q_2$	kg	27,000	31,000
	1.5.3	Load capacity at load centre distance $c_3$	$Q_3$	kg	12,300	15,000
	1.6.1	Load centre distance $c_1$ (1)	$c_1$	mm	1,565	
	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	x	mm	835		
1.9	Wheelbase	y	mm	6,500		
1.10	Stacking height at first row (number x container height)	#		5 x 9' 6"		
WEIGHT	2.1	Service weight	kg	62,300	65,300	
	2.2.1	Axle loading with load, front / rear at $c_1$	kg	93,000	14,300	92,800
	2.3.1	Axle loading without load, front / rear at $c_1$	kg	31,400	30,900	31,200
WHEELS	3.1	Tyre type front/rear	Pneumatic			
	3.2	Tyre size, front	18.00-25 40PR			
	3.3	Tyre size, rear	18.00-25 40PR			
	3.5	Number of wheels, 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		degrees	0 / 59	
	4.2	Height of boom lowered	$h_1$	mm	4,700	
	4.4.1	Lift height at load centre $c_1$ (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	10,320	
	4.5	Height, boom extended	$h_4$	mm	18,110	
	4.7	Height of overhead guard (cabin)	$h_6$	mm	3,720	
	4.8	Seat height to SIP (3)	$h_7$	mm	2,555	
	4.15	Height under twistlock - lowered (2)	$h_{13}$	mm	1,275	
	4.19	Overall length	$l_1$	mm	8,660	
	4.20	Overall length including boom retracted	$l_2$	mm	11,875	
	4.21.2	Overall width across all of truck	$b_2$	mm	4,200	
	4.21.3	Overall width across spreader 20°	$b_{1,20}$	mm	6,100	
	4.21.4	Overall width across spreader 40°	$b_{1,40}$	mm	12,200	
	4.28	Reach distance	$l_4$	mm	4,310	
	4.31	Ground clearance, lowest point	$m_1$	mm	285	
4.32	Ground clearance, centre or wheelbase	$m_2$	mm	437		
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	$W_3$	mm	8,990 / 8,450		
4.36	Internal turning radius, reduced / full stroke	$b_{13}$	mm	1,620 / 1,040		
PERFORMANCE	5.1	Travel speed with / without load		km/h	20 / 23	
	5.2	Lifting speed with / without load		m/s	0.24 / 0.41	
	5.3	Lowering speed with / without load		m/s	0.45 / 0.45	
	5.4.1	Telescoping speed 20° - 40°		sec	9	
	5.5	Drawbar pull - 1 mph (1.6 km/h) with / without load		kN	308	316
5.7	Gradeability - 1 mph (1.6 km/h) with / without load (5)		%	24	38	

(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.