



Stand-on Moving Mast Reach Truck

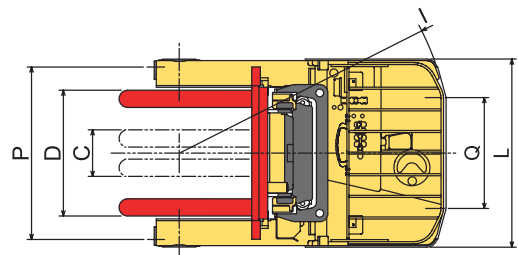
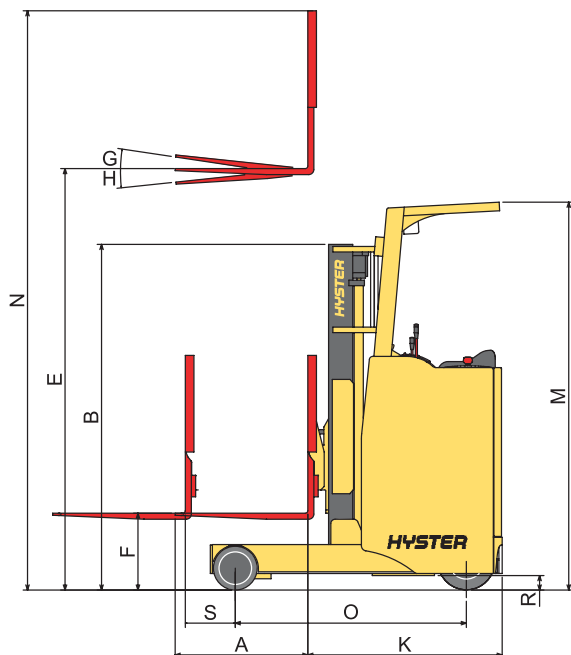
R1.25-3.00(W)EX



STRONG PARTNERS. TOUGH TRUCKS.

General Specifications

		Model	R1.25EX	R1.25WEX	R1.50EX	R1.50WEX	R1.80EX	R1.80WEX	R2.00E(T)X	R2.50E(T)X	R3.00E(T)X		
Performance	1	Chassis	Standard	Wide	Standard	Wide	Standard	Wide	Standard	Standard	Standard		
	2	Capacity	Kg	1,250	1,250	1,500	1,500	1,800	1,800	2,000	2,500	3,000	
	3	With load center at	mm	500	500	500	500	500	500	500	500	500	
	4	Lift height	mm	E	3,000	4,000	3,000	4,000	3,000	4,000	3,000	3,000	
	5	Free lift	mm	F	105	945	105	945	105	945	150	150	155
	6	Reach length	mm		550	450	590	640	740	640	700	865	865
	7	Tilt of fork (backward/forward)	degree	G/H	5/3	5/3	5/3	5/3	5/3	5/3	5/3	5/3	
	8	Travel speed (With no load)	km/h		11	11	10.5	10.5	10.5	10.5	11.5	11.5	11
	9	Travel speed (With load)	km/h		9.5	9.5	9	9	9	9	10	9.5	9
	10	Lifting speed (With no load)	mm/s		560	490	560	470	560	470	500	500	420
	11	Lifting speed (With load)	mm/s		340	320	310	290	280	270	300	280	220
	12	Minimum turning radius (Outside)	mm	I	1,495	1,495	1,580	1,755	1,755	1,755	1,780	1,955	2,055
Dimensions	13	Overall length (With forks)	mm	A+K	1,950	2,045	2,070	2,185	2,105	2,185	2,190	2,195	2,300
	14	Overall width	mm	L	1,090	1,190	1,090	1,190	1,090	1,190	1,165	1,220	1,220
	15	Height of master (Lowered)	mm	B	1,995	1,845	1,995	1,845	1,995	1,845	1,995	1,995	2,020
	16	Height of master (Extended)	mm	N	3,930	4,930	3,930	4,930	3,930	4,930	3,940	3,940	3,945
	17	Over head guard height	mm	M	2,240	2,240	2,240	2,240	2,240	2,240	2,300	2,300	2,300
	18	Floor height	mm		295	295	295	295	295	295	350	350	350
	19	Fork length	mm	A	850	850	920	920	920	920	920	920	920
	20	Fork outside width (Maximum)	mm	D	730	830	730	830	730	830	780	780	780
	21	Fork outside width (Minimum)	mm	C	225	225	225	225	225	225	255	255	255
	22	Wheelbase	mm	O	1,250	1,250	1,340	1,515	1,515	1,515	1,525	1,700	1,800
	23	Tread (Front / Rear)	mm	P/Q	988/635	1,088/635	988/635	1,088/635	988/635	1,088/635	1,044/715	1,086/715	1,086/715
	24	Front overhang	mm	S	190	185	190	180	199	180	205	200	210
	25	Ground clearance	mm	R	80	80	80	80	80	80	85	85	85
	26	w/No load weight w/ standard battery	Kg		2,200	2,345	2,330	2,400	2,350	2,485	2,925	3,090	3,325
Tyre	27	Front tire	Urethane	Ø245 x 102					Ø267 x 102		Ø267 x 135		
	28	Drive tire		Rubber Ø330 x 145					Urethane Ø394 x 152				
	29	Caster tire		Rubber 2 x Ø178 x 73					Rubber Ø204 x 74		U. Ø204 x 74		
Electrical Components	30	Drive motor control type		FET inverter									
	31	Hydraulic pump motor control type		IGBT chopper									
	32	Steering control type		FET chopper									
	33	Drive motor type		AC induction self ventilation									
	34	Rated output	KW	4.5					5.2				
	35	Hydraulic pump motor type		DC series motor self ventilation									
	36	Rated output	KW	8					11				
	37	Steering motor type		DC permanent magnet									
	38	Rated output	KW	0.3									
	39	Battery type		Traction									
	40	Volt x Ah/hr	V x ah	48 x 201			48 x 280			48 x 312		48 x 370	



Mast Specifications and Rated Capacity

Mast Type	MFH mm	OLH mm	OEH mm	FL mm	Capacity (kg)					
					@ 500mm LC		@ 600mm LC		@ 500mm LC	
2 Stage Limited Free Lift					R1.25EX		R1.50EX		R1.80EX	
	2,530	1,745	3,435	105	1,250	1,050	1,500	1,300	1,800	1,550
	2,730	1,845	3,635	105	1,250	1,050	1,500	1,300	1,800	1,550
	3,030	1,995	3,935	105	1,250	1,050	1,500	1,300	1,800	1,550
	3,330	2,145	4,235	105	1,250	1,050	1,500	1,300	1,800	1,550
	3,530	2,245	4,435	105	1,250	1,050	1,500	1,300	1,800	1,550
	3,730	2,345	4,635	105	1,250	1,050	1,500	1,300	1,800	1,550
	4,030	2,495	4,935	105	1,250	1,050	1,500	1,300	1,800	1,550
	4,330	2,745	5,235	105	1,250	1,050	1,500	1,300	1,800	1,550
	4,530	2,845	5,435	105	1,150	1,000	1,450	1,250	1,700	1,450
	5,030	3,095	5,935	105	1,050	900	1,400	1,200	1,550	1,350
3 Stage Full Free Lift					R1.25WEX		R1.50WEX		R1.80WEX	
	3,720	1,745	4,625	845	1,250	1,050	1,500	1,300	1,800	1,550
	4,020	1,845	4,925	945	1,250	1,050	1,500	1,300	1,800	1,550
	4,370	1,995	5,275	1,095	1,250	1,050	1,500	1,300	1,800	1,550
	4,520	2,045	5,425	1,145	1,250	1,050	1,500	1,300	1,800	1,550
	4,820	2,145	5,725	1,245	1,250	1,050	1,500	1,300	1,800	1,550
	5,120	2,245	6,025	1,345	1,250	1,050	1,500	1,300	1,550	1,350
	5,420	2,345	6,325	1,445	1,100	950	1,250	1,050	1,350	1,150
	6,020	2,595	6,925	1,695	800	650	1,000	850	1,100	950

Mast Type	MFH mm	OLH mm	OEH mm	FL mm	Capacity (kg)			
					@ 500mm LC		@ 600mm LC	
2 Stage Limited Free Lift					R2.00EX		R2.50EX	
	2,545	1,995	3,450	150	2,000	1,750	2,500	2,190
	2,745	1,995	3,650	150	2,000	1,750	2,500	2,190
	3,045	1,995	3,950	150	2,000	1,750	2,500	2,190
	3,345	2,170	4,250	150	2,000	1,750	2,500	2,190
	3,545	2,270	4,450	150	2,000	1,750	2,500	2,190
	3,745	2,420	4,650	150	2,000	1,750	2,500	2,190
	4,045	2,620	4,950	150	2,000	1,750	2,500	2,190
	4,345	2,770	5,250	150	1,950	1,700	2,450	2,140
	4,545	2,870	5,450	150	1,900	1,660	2,400	2,100
	5,045	3,120	5,950	150	1,850	1,620	2,300	2,010
3 Stage Full Free Lift					R2.00ETX		R2.50ETX	
	3,830	1,870	4,735	970	2,000	1,740	2,500	2,180
	4,130	1,970	5,035	1,070	2,000	1,740	2,500	2,180
	4,340	2,040	5,245	1,140	1,900	1,660	2,400	2,100
	4,580	2,120	5,485	1,220	1,800	1,570	2,300	2,010
	5,030	2,270	5,935	1,370	1,700	1,480	2,200	1,920
	5,330	2,370	6,235	1,470	1,650	1,440	2,150	1,880
	5,680	2,520	6,585	1,620	1,600	1,390	2,050	1,790
	6,030	2,720	6,935	1,820	1,500	1,310	1,900	1,660

COLD STORE OPTIONS



Optional fisheries and corrosion protection up to minus 10° C.



Cold store freeze proof option for usage up to minus 45° C.



Deep freeze proof option for extreme cold usage (up to minus 55° C).

Mast Type	MFH mm	OLH mm	OEH mm	FL mm	Capacity (kg)	
					@ 500mm LC	@ 600mm LC
2 Stage Limited Free Lift					R3.00EX	
	2,550	2,020	3,455	155	3,000	2,620
	2,750	2,020	3,655	155	3,000	2,620
	3,050	2,020	3,955	155	3,000	2,620
	3,350	2,170	4,255	155	3,000	2,620
	3,550	2,270	4,455	155	3,000	2,620
	3,750	2,420	4,655	155	3,000	2,620
	4,050	2,620	4,955	155	3,000	2,620
	4,350	2,770	5,255	155	2,950	2,580
	4,550	2,870	5,455	155	2,900	2,540
	5,050	3,120	5,955	155	2,800	2,450
3 Stage Full Free Lift					R3.00ETX	
	3,820	1,870	4,725	925	3,000	2,620
	4,120	1,970	5,025	1,025	3,000	2,620
	4,330	2,040	5,235	1,095	3,000	2,620
	4,570	2,120	5,475	1,175	2,950	2,580
	5,020	2,370	5,925	1,425	2,700	2,360
	5,320	2,520	6,225	1,575	2,600	2,270
	5,720	2,720	6,625	1,775	2,200	1,920
6,020	2,870	6,925	1,925	2,100	1,840	



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All masts have 3 degrees forward tilt and 5 degree backward tilt

1. MFH: Maximum Fork Height (MFH) shown with load. Add 5 mm without load.
2. OLH: Overall Lowered Height (OLH) includes Free Lift.
3. OEH: Overall Extended Height (OEH) shown with standard 900 mm load backrest and without load.
4. FL: Free Lift (FL)
5. Capacity (kg) with Standard Carriage

R1.25-3.00(W)EX

Stand-on Moving Mast Reach Truck

Electronic Controls

These reach trucks feature fan cooled, AC induction motor for traction, controlled by an AC Field Effect Transistor (FET) inverter for step-less acceleration and deceleration. This technology provides powerful regenerative braking to reduce mechanical brake wear, extending service life. Regenerative braking is applied with the application of the brake pedal, coasting, or change of direction allowing for faster work cycles and greater productivity.

At start-up, neutral is automatically selected to prevent unintended truck movement. The controller is technician configurable to adjust traction speed limit, acceleration and deceleration levels and lift and lower speeds to provide the ideal operating characteristics to match any application. The truck will automatic shut-off after 10 minutes idle time to save power and prevent unauthorised operation.

Suspension System

A unique suspension system based on semi rigid articulating axle with elastomer stopper provides improved stability and consistent ride comfort, even when fully loaded. Improved suspension performance allows faster work cycles and greater productivity.

Steering

The R1.25-3.00WEX features electric power steering for smooth, energy efficient low noise steering control. Power-on-demand steering is standard and provides energy savings and allows the use of a small diameter steering wheel for low effort steering.

Operator's Compartment

The operator's compartment has been designed to aid productivity while providing comfort and ergonomics to the operator. Formed rubber floor mat isolates the operator from noise and vibration to minimise fatigue. An adjustable hip support provides the operator with a stand/lean option for even greater comfort. The direction control and hydraulic control levers are conveniently located for one hand operation. A molded elbow pad is provided for the operator's right arm whilst using these controls. The elbow pad conceals the hydraulic reservoir which can be checked by the operator by opening the pad.

Display

A comprehensive, full function display system provides LCD readout and input interface for operator and service personnel. Features included are digital clock, odometer, hourmeter, parking brake status, battery discharge indicator, password entry for 10 user ID, three user selectable performance modes and real time diagnostics of service items.

Options

- Integral hook type sideshifting carriage
- Side extraction battery system
- On-board 3-phase 50/60Hz 200-230 volt charger
- Proportional hydraulic control system
- 1,920 mm lowered overhead guard
- Load wheel brakes
- Cold store protection to -55°C
- Fisheries and corrosion protection
- Traction control and anti-skid braking
- Strobe and working lights




Contact your local Hyster dealer:



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