

FB 15-35RZ

Counterbalanced Electric Forklift

1500 - 3500kg



About Yale®

The Yale® FB15-35RZ counterbalanced forklift has been engineered to provide the perfect combination of power, speed, increased battery life and clean performance.

Combining people and products to create outstanding productivity is a key objective of Yale. Each truck in the electric range demonstrates a total commitment to;

- Innovation
- Cutting-edge design
- Comprehensively tested materials handling equipment
- The use of advanced components
- Superior manufacturing techniques

Yale takes great pride in ensuring everything's in its right place. From the design of the truck to providing the best application solution, productivity is improved at every opportunity. Nowhere is this philosophy more evident than in the Electric Forklift Range.





Featuring the FB15-35RZ

Being a market leader in innovation and customer understanding, Yale has introduced the new FB15-35RZ counterbalanced electric rider.

In order to offer you a product that facilitates all of your operational needs, the FB15-35RZ has incorporated all of the factors most relevant to today's material handling requirements.

→ AC TECHNOLOGY

An ergonomic workspace strategically engineered around comfort, convenience and commonality helps operators stay comfortable and productive all shift long.

→ PERFORMANCE MODES

Eco mode offers the ability to fine-tune your operational requirements. It ensures the perfect mix of energy efficiency and productivity, at a lower operating cost.

→ BRAKES

Regenerative braking enables increased battery life by charging the battery during braking cycles.

→ STEERING

Synchronous steering as standard ensures that the steering wheel always returns to the same position for forward driving after a turn.

→ STABILITY

Through the combination of the cornering speed control system and a raised steer axle, the FB15-35RZ has enabled an increase in confidence and ease of operation amongst operators. This is especially the case in fast paced operations, where the guess work is removed.

→ BATTERY

Increased battery life of up to 8.5 hours in standard performance mode and 9.5 hours in Eco mode.

Optional side battery extraction promotes optimised up-time for operation.

→ ERGONOMICS

A redesigned unit that looks at the enhancement of mast visibility, increased floor space for comfort and easy on/off access, as well as a rear assist grip with horn for ease of operation in reverse, enables the operator ample allowances for comfort and satisfaction.

→ LOW COST OF OWNERSHIP

Optimised battery performance sees an overall reduction in electricity consumption and CO2 emissions from charging cycles.

Simplistic fault code identification via the dash display enables reduced diagnosis and fault rectification, increasing your up-time.

→ TOTAL TRUCK RELIABILITY

With the reputation for delivering world-class product reliability and to show our confidence in the FB-RZ series, it makes sense to back them with industry leading warranty.

That's why Yale is offering the FB-RZ series with a standard of 2 years/4,000 hours* manufacturer warranty and lifetime chassis warranty.

* Comprises of 1 year/2,000 hours on complete truck and 2 years/4,000 hours on powertrain.

FB-RZ Series Features

Being a market leader in innovation and customer understanding, Yale has introduced the new FB15-35RZ counterbalanced electric rider. In order to offer you a product that facilitates all of your operational needs, the FB15-35RZ has incorporated all of the factors most relevant to today's material handling requirements.



OPERATOR COMFORT

A refined operator's compartment provides ease of access and driver comfort.



HORIZONTAL BATTERY EXTRACTION*

Optional horizontal extraction provides ease of access for battery removal/replacement to reduce downtime.



SYNCHRONOUS AND POWER ASSIST STEERING

Alignment between the rotation of the steering wheel and steer tyres, enabling the steering wheel to always return to the same position.



BLUE PEDESTRIAN AWARENESS LIGHT (PAL)*

Provides an alert to pedestrians and users of mobile equipment that forklifts are operational in the area.



* Optional



TRAVEL AND HYDRAULIC HANDLING INTERLOCK

Operator presence system which will disengage the trucks function if the operator leaves the seat.



OPTIMISED MAST VISIBILITY

The inner mast clearance (between the hoist chains) provides ample visibility to enhance operator efficiency.



INTERACTIVE DASH DISPLAY

Interactive dash display shows the most relevant information to the truck's current status.



REGENERATIVE BRAKING

AC controlled motor sends power back to the battery during braking, increasing uptime.



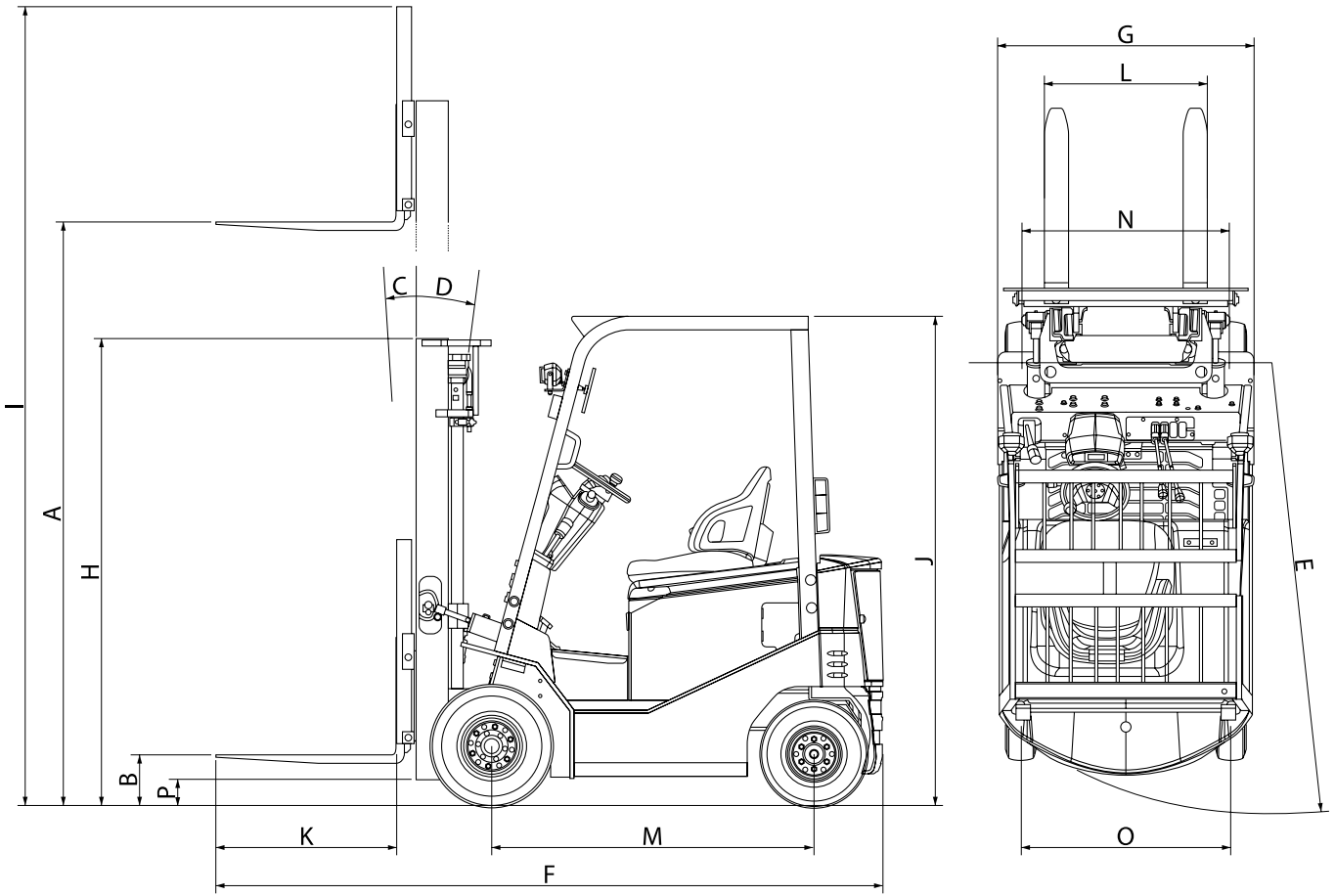
CARRIAGE LIGHT*

Directs a light onto the load and racking to illuminate the workspace while working at heights.

GENERAL SPECIFICATIONS

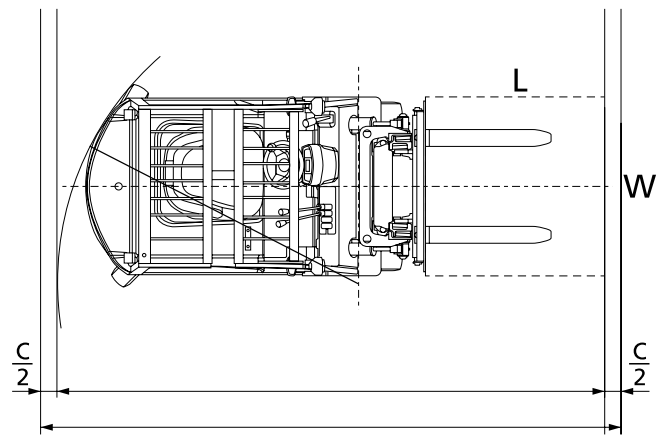
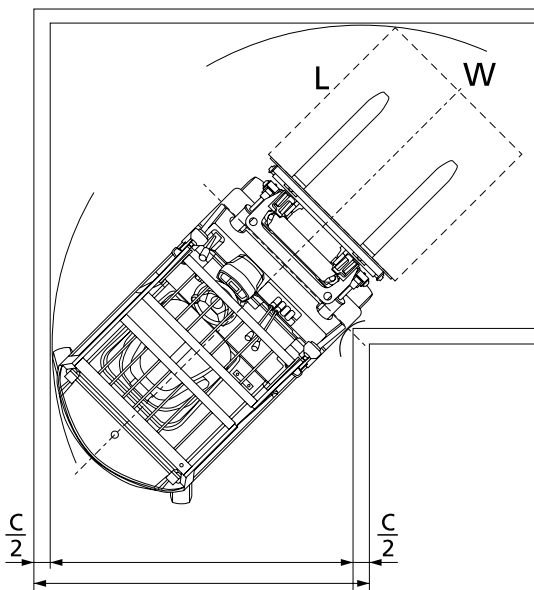
SPECIFICATION			Electric											
	1 Manufacturer		YALE											
	2 Model		FB15RZ	FB18RZ	FB20SRZ	FB20RZ	FB25RZ	FB30RZ	FB35SRZ					
	3 Capacity		kg	1500	1750	2000		2500	3000	3500				
4	Load centre	mm	500											
7	Tyres		Pneumatic							Solid				
8	Wheels	No. front/rear (x=Drive)		2X/2										
DIMENSIONS	9	Lift height	mm	A	3010		3015		3035	3040				
	10	Standard free lift	mm	B	145			155		160	165			
	12	Fork carriage	Carriage width/ITA class		mm/ITA			920/2		1020/2		1070/3		
	13	Fork	Thickness/width/length		mm	K	35/100/920		40/122/920		40/122/1070	45/122/1070	50/150/1070	
	14	Tilt of mast	Forward/backward		°	C/D	6/10							
		Fork spread	Max/min		mm	L	920/200			1020/250		1060/250	1065/305	
		Overall length	Length to tip of forks		mm	F	3045	3080	3125	3255	3455	3630	3715	
	15	Truck length	Length to face of forks		mm		2125	2160	2205	2335	2385	2560	2645	
	16	Overall width	Tyre/frame		mm	G	1070/1098	1135/1098		1160/1140		1265/1218		
	18	Height	Height with lowered mast		mm	H	1995					2060	2140	
			Height with extended mast		mm	I	3955			3970		4125		
			Height of overhead guard canopy		mm	J	2070		2120		2140			
	20	Seat height			mm		930			970		995		
	21	Turning radius			mm	E	1845	1875	1910	1990	2035	2190	2255	
	22	Load length 'X'	Centre of front wheel to face of forks		mm		410		415	465		490	505	
Equal aisle width				mm		1875	1915	1950	2025	2070	2225	2285		
Stacking aisle width		Add load length and clearance		mm		2255	2285	2325	2455	2500	2680	2760		
PERFORMANCE	24	Travel speed			km/hr		14/15	13.5/15	12/14	14/15		14/16.5	13/16	
	25	Lifting speed	Laden/unladen		mm/sec		420/625	385/625	405/740	380/605	330/605	305/490	275/485	
		Lowering speed			mm/sec		495/520							
	26	Drawbar pull	Laden/unladen @ 3 min. rating		N		8870/8450	8560/8220	8580/8180	12820/12310	12870/12240	12430/12100	11690/11860	
Gradeability				%		20/29	18/27	16/25	23/34	19/30	16/25	13/23		
WEIGHT	32	Unladen weight	Max. battery		kg		3200	3450	3670	4160	4470	5170	5700	
	34	Axle loads	Laden front/rear (max. battery)		kg		3970/740	4410/790	4790/880	5190/980	5960/1020	6980/1190	7890/1310	
					kg		1500/1700	1530/1920	1490/2180	1910/2250	1870/2600	2190/2980	2260/3430	
CHASSIS AND WHEELS	36	Tyre sizes	Front				6.00-9-10	21x8-9-14		7.00-12-12		28x9-15-14	28x9-15	
			Rear				5.00-8-8			18x7-8-10		18x7-8-14	18x7-8	
	38	Wheelbase			mm	M	1410			1515		1655		
	39	Tread			mm	N/O	910/905	950/905		960/1015		1040/1015		
	40	Ground clearance	Under mast		mm	P	85			120		140		
	42	Service brake			Hyd									
43	Park brake			Hand										
ELECTRICAL COMPONENTS	Battery weight	Max/min		kg		910/655			1200/730	1200/910	1525/1080			
		Drive motor	Control method		FET inverter									
			Type		AC induction									
	Rated output (60 min.)		5.6			8.3		11.7						
	Hoist/steer motor	Control method		FET inverter										
		Type		AC induction										
Rated output (5 min.)		9.6						16.2						

DIMENSION CHARTS



Equal aisle width

Stacking aisle width



C= clearance

C= clearance

Mast Specifications

FB15-18RZ					
Maximum Fork Height mm	Fork Thickness mm	Back Tilt deg	Overall Lowered Height mm	Overall Extended Height mm	Free Lift* mm
2-STAGE LFL					
3035	35	10	1995	4105	145
3335	35	10	2145	4405	145
3535	35	10	2245	4605	145
3735	35	10	2345	4805	145
4035	35	6	2595	5105	145
4335	35	6	2745	5405	145
4535	35	6	2845	5605	145
4835	35	6	2995	5905	145
5035	35	6	3095	6105	145
2-STAGE FFL					
3025	35	10	1995	4095	925
3325	35	10	2145	4395	1075
3525	35	10	2245	4595	1175
3725	35	10	2345	4795	1275
4125	35	6	2595	5195	1525
3-STAGE FFL					
4025	35	6	1895	5095	825
4375	35	6	1995	5445	925
4525	35	6	2045	5595	975
4825	35	6	2145	5895	1075
5125	35	6	2245	6195	1175
5425	35	6	2345	6495	1275
6025	35	6	2595	7095	1525

FB20SRZ					
Maximum Fork Height mm	Fork Thickness mm	Back Tilt deg	Overall Lowered Height mm	Overall Extended Height mm	Free Lift* mm
2-STAGE LFL					
3040	40	10	1995	4105	150
3340	40	10	2145	4405	150
3540	40	10	2245	4605	150
3740	40	10	2345	4805	150
4040	40	6	2595	5105	150
4340	40	6	2745	5405	150
4540	40	6	2845	5605	150
4840	40	6	2995	5905	150
5040	40	6	3095	6105	150
2-STAGE FFL					
3030	40	10	1995	4095	930
3330	40	10	2145	4395	1080
3530	40	10	2245	4595	1180
3730	40	10	2345	4795	1280
4130	40	6	2595	5195	1530
3-STAGE FFL					
4030	40	6	1895	5095	830
4380	40	6	1995	5445	930
4530	40	6	2045	5595	980
4830	40	6	2145	5895	1080
5130	40	6	2245	6195	1180
5430	40	6	2345	6495	1280
6030	40	6	2595	7095	1530

FB20-25RZ					
Maximum Fork Height mm	Fork Thickness mm	Back Tilt deg	Overall Lowered Height mm	Overall Extended Height mm	Free Lift* mm
2-STAGE LFL					
3050	40	10	1995	4120	155
3350	40	10	2170	4420	155
3550	40	10	2270	4620	155
3750	40	10	2420	4820	155
4050	40	10	2620	5120	155
4350	40	6	2770	5420	155
4550	40	6	2870	5620	155
4850	40	6	3020	5920	155
5050	40	6	3120	6120	155
2-STAGE FFL					
3000	40	10	1995	4070	925
3390	40	10	2270	4460	1200
3590	40	10	2370	4660	1300
3840	40	10	2520	4910	1450
4190	40	10	2720	5260	1650
3-STAGE FFL					
4135	40	6	1970	5205	900
4345	40	6	2040	5415	970
4585	40	6	2120	5655	1050
4840	40	6	2205	5910	1135
5035	40	6	2270	6105	1200
5335	40	6	2370	6405	1300
5535	40	6	2470	6605	1400
5685	40	6	2520	6755	1450
6035	40	6	2720	7105	1650

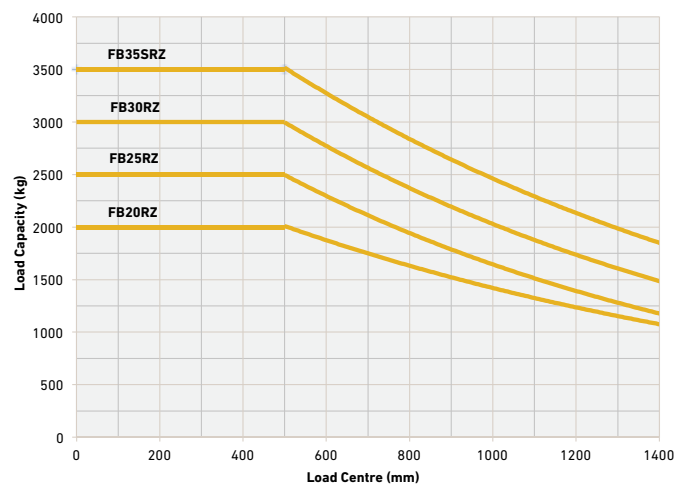
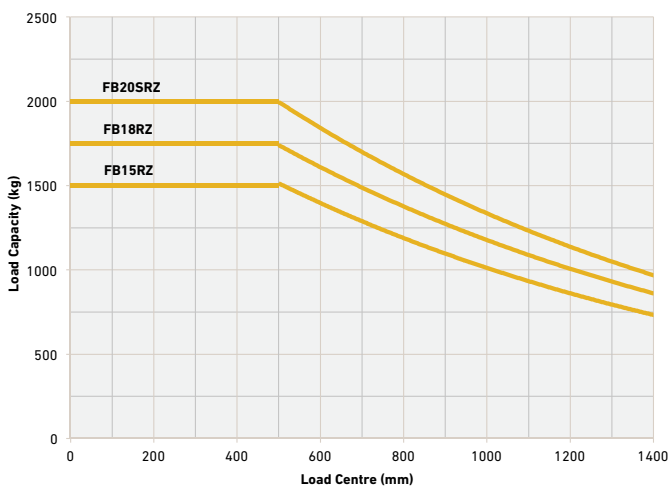
FB30RZ					
Maximum Fork Height mm	Fork Thickness mm	Back Tilt deg	Overall Lowered Height mm	Overall Extended Height mm	Free Lift* mm
2-STAGE LFL					
3055	45	10	2060	4125	160
3355	45	10	2210	4425	160
3555	45	10	2310	4625	160
3755	45	10	2440	4825	160
4055	45	10	2640	5125	160
4355	45	6	2790	5425	160
4555	45	6	2890	5625	160
4855	45	6	3040	5925	160
5055	45	6	3140	6125	160
2-STAGE FFL					
3080	45	10	2140	4150	1070
3380	45	10	2290	4450	1220
3580	45	10	2390	4650	1320
3830	45	10	2540	4900	1470
4180	45	10	2740	5250	1670
3-STAGE FFL					
4125	45	6	1990	5195	920
4335	45	6	2060	5405	990
4575	45	6	2140	5645	1070
4705	45	6	2225	5775	1155
5025	45	6	2390	6095	1320
5325	45	6	2540	6395	1470
5525	45	6	2640	6595	1570
5725	45	6	2740	6795	1670
6025	45	6	2890	7095	1820

*With load backrest.

Mast Specifications

FB35SRZ					
Maximum Fork Height mm	Fork Thickness mm	Back Tilt deg	Overall Lowered Height mm	Overall Extended Height mm	Free Lift* mm
2-STAGE LFL					
3060	50	10	2140	4130	165
3360	50	10	2290	4430	165
3560	50	10	2390	4630	165
3760	50	10	2490	4830	165
4060	50	10	2690	5130	165
4360	50	6	2840	5430	165
4560	50	6	2940	5630	165
4860	50	6	3090	5930	165
5060	50	6	3190	6130	165
2-STAGE FFL					
3085	50	10	2190	4155	1120
3385	50	10	2340	4455	1270
3585	50	10	2440	4655	1370
3835	50	10	2590	4905	1520
4185	50	10	2790	5255	1720
3-STAGE FFL					
4130	50	6	2040	5200	970
4340	50	6	2110	5410	1040
4580	50	6	2190	5650	1120
4830	50	6	2340	5900	1270
5030	50	6	2440	6100	1370
5330	50	6	2590	6400	1520
5530	50	6	2690	6600	1620
5730	50	6	2790	6800	1720
6030	50	6	2940	7100	1870

Capacity Charts



*Above charts are for the standard truck build.

Standard & optional features

STANDARD

BATTERY

- Drop battery configuration

OPERATOR COMPARTMENT

- Large open access step
- Pendant style pedals
- Key start
- Tilt steering column
- Cup holder
- A4 paper clip
- LCD display
- Speedometer and odometer
- Performance mode selection

DRIVE CONTROL

- AC drive and pump control
- Regenerative braking
- Controlled accelerator adjustment
- Speed limit adjustment
- Anti rollback

PUMP CONTROLS

- Hydraulic speed adjustment
- Proportional control

STEER CONTROLS

- Synchroniser with turn speed control
- Hydraulics on demand

ELECTRICAL CONTROL SYSTEM

- Thermal protection
- Real time diagnostics
- Battery discharge with interrupt
- Auto shut off after 15 minutes

TYRES

- Single drive wheels
- Pneumatic tyres

TRANSMISSION CONTROL

- Forward/reverse lever

HYDRAULIC CONTROL

- Hydraulic interlock - no operator on seat

SEAT

- Full suspension seat
- Seat belt and hip restraint
- Operator presence

LIGHTS AND WARNINGS

- Full light kit
- Reverse alarm

OPTIONS

BATTERY

- Lateral battery extraction

OPERATOR COMPARTMENT

- Key start with password
- Acrylic top cover
- Rear assist grip with horn button
- Load weight meter
- Front screen with wiper
- Canvas cab

TYRES

- Dual drive wheels
- Solid tyres
- Non-marking tyres

TRANSMISSION CONTROL

- Foot Direction Control

HYDRAULIC CONTROL

- Return to vertical tilt

SEAT

- Sequential seat belt interlock

LIGHTS AND WARNINGS

- LED lights
- Additional lights
- Pedestrian awareness light
- LED rotating light

TRUCK CONSTRUCTION

- Freezer construction
- Corrosion construction
- Water-resistant - IPX4

FRONT END CONFIGURATIONS

- ISS carriage
- ISS carriage with fork positioning



Manage cost, optimise productivity and protect your assets

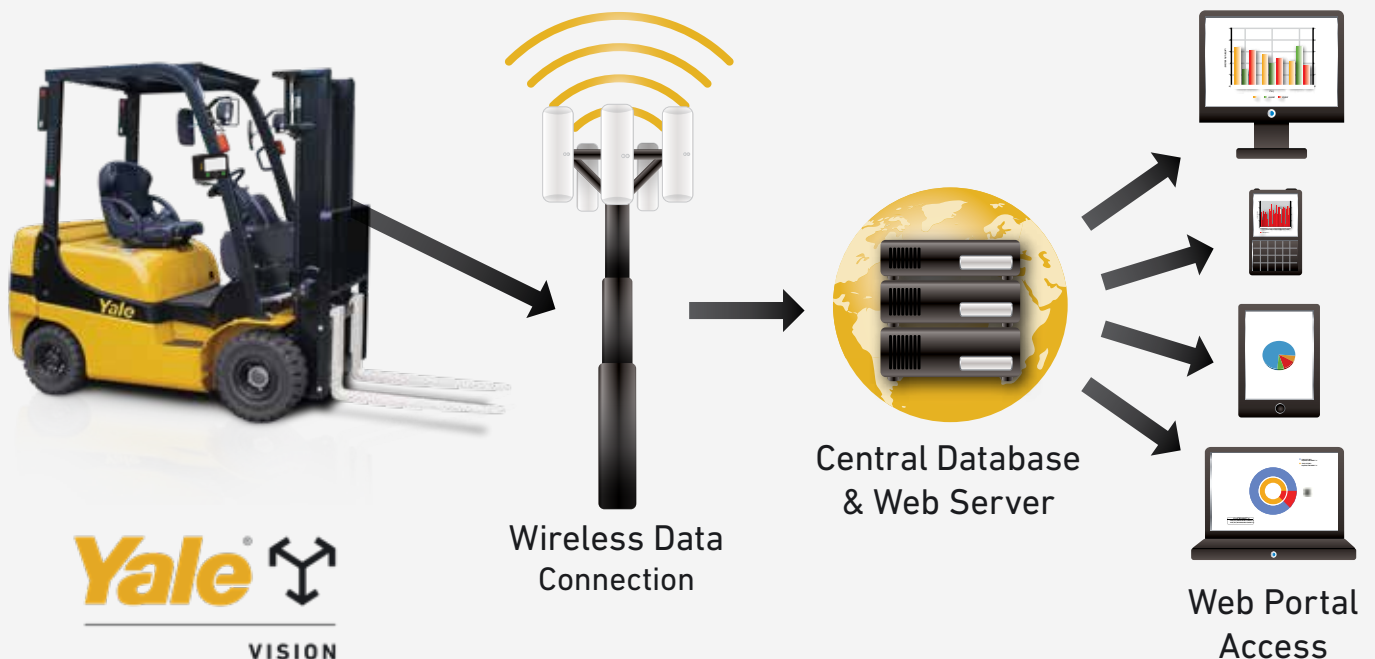
YALE® VISION WIRELESS ASSET MANAGEMENT

Take your fleet operation to the next level with wireless asset management from Yale. Yale Vision provides true wireless fleet management, can drive fleet efficiency, improves operator performance, reduces your carbon footprint and lowers your overall material handling costs.

- Manage your total cost of operation
- Ensure maximum productivity from your lift truck investment
- Monitor operator behavior, promote safe operator behaviour
- Convenient web-based access, and your choice of three levels of management

DATA IS GREAT, BUT YOUR YALE DEALER WILL MAKE IT WORK FOR YOU

Yale Vision is a great addition to your management toolkit. But when you partner with your Yale Dealer, you get the best of both worlds – great fleet data plus the unmatched knowledge and experience that can help you get the most out of every truck in your fleet.



About Yale


Yale Lift Truck Technologies leverages over a century of material handling experience and substantial investment in innovation to bring the most advanced technology-driven lift truck solutions to market. The company offers a full line of award-winning lift trucks, including reach trucks, order pickers, turret trucks, pallet jacks and trucks, pallet stackers, tow tractors and counterbalanced forklifts, as well as powerful operator assist solutions, proven robotics and a wide range of power sources to help customers adapt to today's demanding supply chain. Yale and its independent dealer network support these solutions with comprehensive after-sales service, parts, financing and training.

Yale Lift Truck Technologies is a trading name of Hyster-Yale Asia-Pacific Pty Ltd., a wholly owned subsidiary of Hyster-Yale Materials Handling, Inc. (NYSE:HY) which is headquartered in Cleveland, Ohio and operates globally.

Yale Lift Truck Technologies | Pacific
1/23 Rowood Road
Prospect NSW 2148

Yale Lift Truck Technologies | Asia
16 Tuas Avenue 20
Singapore 638827

yale.com

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MATERIALS HANDLING FOR:

Third-party logistics (3PL)

Auto parts distribution

Beverage

Cold & frozen foods

Food distribution

Food processing

Furniture & furnishings

Government

Health & pharma

Home centers & durables

Retail & e-commerce