

RCF Series

Electric Forklift Truck

1,500kg

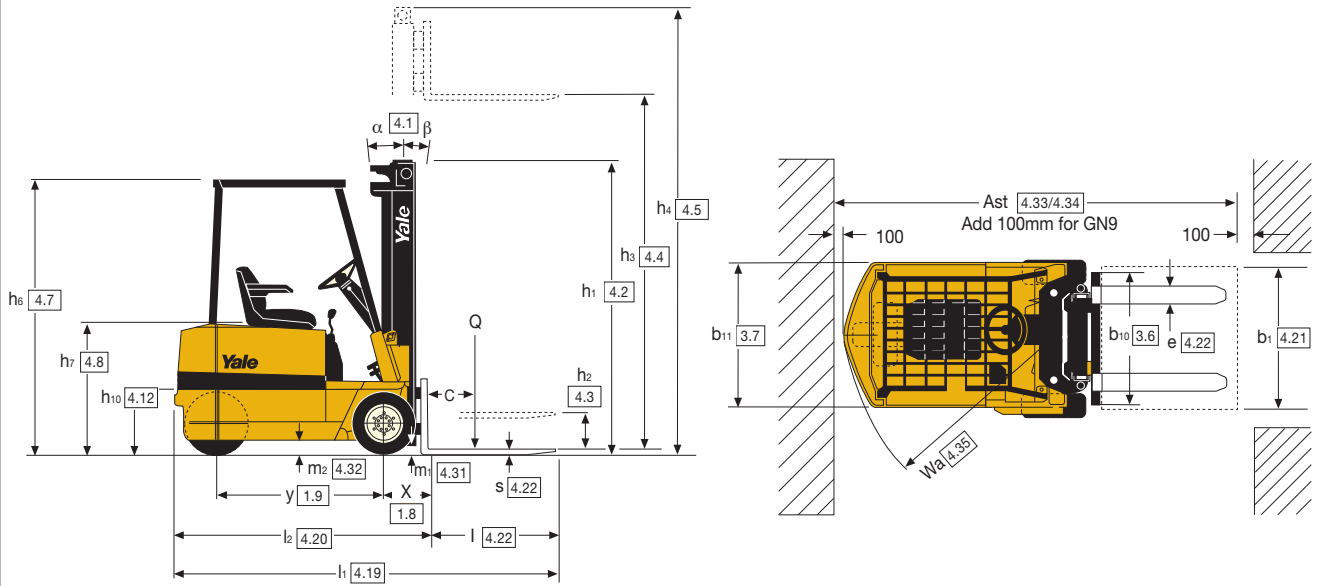


Manufactured in India

- Available with Supercushion tyres
- Auto regenerative braking increases battery, brake and brush life
- Optimum operator comfort
- Compact and manoeuvrable

Yale 
People. Products. Productivity.

Truck dimensions



Mast details and capacity ratings (kg) - Supercushion tyres

Model						ERP 15 RCF						
Tyres						18x7 - 8						
Width across tyres						2stg - 1046mm / 3stg - 1180mm						
Mast	OAH h1	FFH h2+s	MFH h3+s	h4	Tilt		Forks			Integral Sideshift		
					F	B	500 LC	600 LC	700 LC	500 LC	600 LC	700 LC
2-stg LFL (V)	2092	90	3300	3801	3	6	1500	1370	1240	1440	1290	1170
	2342	90	3800	4301	3	6	1500	1370	1230	1440	1290	1170
	2692	90	4300	4801	3	6	1420	1290	1160	1360	1220	1100
2-stg FFL (F)	1942	1384	3000	3501	3	6	1500	1370	1230	1440	1290	1170
	2092	1524	3300	3801	3	6	1500	1370	1230	1440	1290	1170
3-stg FFL (E)	1942	1374	4420	4921	3	6	1480	1350	1240	1400	1290	1180
	2092	1524	4870	5371	3	6	1410	1300	1180	1340	1230	1110
	2342	1774	5320	5821	3	6	1340	1220	1100	1290	1150	1040
	2667	2099	5995	6496	3	4	1200	1090	980	1150	1030	930

Integral sideshift is 906.2mm wide or 939mm with load backrest.

VDI 2198 - General specifications

Characteristics	1.1	Manufacturer		Yale	
	1.2	Model designation		ERP15RCF	
	1.3	Power: battery, diesel, LPG, electric mains		Battery	
	1.4	Operation: manual, pedestrian, stand, seat, order picker		Seat	
	1.5	Load capacity	Q (kg)	1500	
	1.6	Load centre	c (mm)	500	
	1.8	Load distance	x (mm)	318	
	1.9	Wheelbase *	y (mm)	1130 / 1163 / 1229	
	Weights	2.1	Unladen weight (max. battery)	kg	3163
2.2		Axle loading laden, front/rear (max. battery) Ⓢ	kg	3980	687
2.3		Axle loading unladen, front/rear (max. battery) Ⓢ	kg	1419	1744
Wheels & Tyres	3.1	Tyres: L=pneumatic, C=cushion, SE=supercushion		SE	
	3.2	Tyre size - front		18x7-8	
	3.3	Tyre size - rear		18x7-8	
	3.5	Number of wheels, front/rear (X = driven)		2/1X	
	3.6	Track width, front Ⓢ	b10 (mm)	865	
	3.7	Track width, rear	b11 (mm)	-	
	Dimensions	4.1	Mast tilt, forward α / back β	Degrees	3
4.2		Height of mast, lowered	h1 (mm)	2091.5	
4.3		Free lift \blacktriangle	h2 (mm)	50	
4.4		Lift height \blacktriangle	h3 (mm)	3260	
4.5		Height of mast, extended \blackplus	h4 (mm)	3801	
4.7		Height to top of overhead guard \bigcirc	h6 (mm)	1972	
4.8		Seat height \blacklozenge	h7 (mm)	925.5	
4.12		Towing coupling height	h10 (mm)	471.5	
4.19		Overall length Ⓢ	l1 (mm)	2770	
4.20		Length to front face of forks Ⓢ	l2 (mm)	1770	
4.21		Overall width Ⓢ	b1 (mm)	1050	
4.22		Fork dimensions	s/e/l (mm)	40 x 80 x 1000	
4.23		Fork carriage DIN 15173. Class, A/B		IIA	
4.24		Fork carriage width \blacktriangledown	b3 (mm)	857	
4.31		Ground clearance under mast, laden	m1 (mm)	88	
4.32		Ground clearance at centre of wheelbase	m2 (mm)	110.5	
4.33		Aisle width with pallets 1000mm long x 1200mm wide Ⓢ	Ast (mm)	3098	
4.34		Aisle width for pallets 800mm wide x 1200mm long *	Ast (mm)	3219.8	
4.35		Outer turning radius	Wa (mm)	1450	
4.36		Inner turning radius	b13 (mm)	0	
Performance	5.1	Travel speed laden/unladen	km/h	9	11
	5.2	Lifting speed laden/unladen	m/sec	0.24	0.43
	5.3	Lowering speed laden/unladen	m/sec	0.55	0.51
	5.5	Drawbar pull laden/unladen, 60 minute rating	N	690	990
	5.6	Max. drawbar pull laden/unladen, 5 minute rating	N	4390	5500
	5.7	Gradeability laden/unladen, 30 minute rating	%	4	6
	5.8	Max. gradeability, laden/unladen, 5 minute rating	%	10	15
	5.9	Acceleration time laden/unladen	sec	7	6
	5.10	Service brake		Hydraulic	
	Motor	6.1	Drive motor output (S2 60 minute rating)	kW	4.2
6.2		Lifting motor, (S3 15% rating)	kW	4.8	
6.3		Battery to DIN 43531/35/36 A, B, C, no		DIN 43535A	
6.4		Battery voltage/capacity at 5hr rate Ⓢ	V/ah	24	880
6.5		Battery weight (min/max)	kg	620	800
6.6		Power consumption in accordance with VDI cycle	kWh/h		
Other	8.1	Drive control		SEM electronic	
	8.2	Working pressure for attachments	bar	155	
	8.3	Oil flow for attachments \downarrow	l/min	20	
	8.4	Average noise level at operator's ear \blackstar	dB (A)	67	
	8.5	Towing coupling type		Pin	

\blackstar L_{PA}, measured according to the test cycles and based on the weighting values contained in EN12053

\blacklozenge Semi-suspension (FS1100) specified. Subtract 22 mm for suspension seat

\blacktriangledown Add 32mm with load backrest

Ⓢ With mast vertical

Ⓢ Add 134mm for 3 stage mast

Ⓢ Add 130mm for 3 stage mast

Ⓢ 2 stage and FFL mast, add 20mm for 3 stage mast

Ⓢ 2 stage and FFL mast, add 19mm for 3 stage mast

Ⓢ 1000Ah non-DIN also available

\blacktriangle Top of forks

\blackplus Without load backrest

\bigcirc h6 subject to +/- 5 mm tolerance

\downarrow Variable

Spec sheet truck based on :-
3300mm top of forks 2 stage LFL mast with standard carriage and 1000mm forks with LBR. DIN battery configuration.

RCF Series

Models: ERP 15RCF

Motors

High class insulation traction and hoist motors are suitable for the most arduous applications. High power separately excited drive motor (SEM) has independently regulated armature and field currents for optimum traction control and performance with high energy efficiency and low power consumption.

Drive Control

MOSFET controller provides smooth infinitely variable speed control and precise inching for close manoeuvring. High frequency, noiseless operation. Power contactors are eliminated. Controlled electrical braking by progressive release of the accelerator pedal eliminates the need for normal service brake operation.

Direction control return to neutral feature prevents uncontrolled truck movement at start up.

The controller is housed in the counterweight compartment for maximum protection and ease of access.

Steering

Low noise, low power consumption hydrostatic power steering via hydraulic motor drive. The steer column has adjustable rake with 5 positive lockable positions.

Hydraulic System

Large capacity steel tank includes a full flow return line filter. The control valve includes dual pressure relief valves to protect lift and auxiliary circuits from overload and anti cavitation to prevent voids in the tilt cylinders and improve tilt control.

Mast

A full range of Yale Hi-Vis™ 2 stage LFL and 2 and 3 stage FFL masts are available. Yale Hi-Vis™ masts are designed for maximum visibility, with widely spaced channels, lift chains and main lift cylinders.

Transmission

Rear wheel drive through vertically mounted gearbox, which also acts as the steer axle. Steer wheel and tyre can be removed without disturbing the wheel bearings.

Brakes

Heavy duty, asbestos free and self-energising, independent service and parking brakes act upon the front wheels. Service brake is actuated by large width pedal. Parking brake is applied by lever mounted on left-hand side of the front cowl through an independent mechanical linkage.

Chassis and Battery Compartment

A robust welded steel structure protects truck components. The battery is located in the chassis, restrained by a mechanical latch.

Operator Compartment, Controls and Instrumentation.

The RCF is designed for optimum operator comfort with spacious operator compartment, easy to handle control levers and adjustable seat.

An ergonomically positioned handgrip eases entry and exit from the truck.

In addition, MOSFET drive control and the exceptionally low noise level (67dB(A) sound pressure at operator's ear) provide a comfortable ride.

Options

- Foot Directional Control
- Reverse Alarm
- Integrated sideshift

Yale

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Safety: This truck conforms to the current CE requirements. Specification is subject to change without notice.

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Truck shown with optional equipment



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