

R Series **IC Forklift Truck**

Capacity 1.5-mini5.0t



ROYAL Development History



2011



1.5-4.0ton

2012



1.0-3.0ton

2013



5.0-10.0ton

2014



2.0-5.0ton

2016



1.5-3.5ton

2017



4.0-12.0m

2010

Anhui Royal Forklift Co., Ltd was officially established as manufacturer center.



2011

ROYAL started the forklift business since sales center in Suzhou was established.



2013

ROYAL Phase II project of new factory was finished, with total floor area 100,000m², yearly production capacity 10,000 units.



2016

The 10000th forklift was shipped to Malaysia.



2018

Full range of ROYAL products departed for showing in CeMAT 2018.





The Best Royal Quality

Engineering For Driver

With the belief of "technology innovating, structure promoting, products quality and service improving", take professionalization, internationalization and green environmental protection as standards, to build Royal into the most respectable forklift brand.

Royal has focused on improving the comfort and safety for the R series forklift, with less vibration lower noise level, more safety and more attention to the detail and design for the driver.

With new outline design, new technology applied, and it provides more operating comfort, more reliable, and more intelligent options, that can meet various application demands.

Reliable RY Forklift

High Efficiency and Productivity

- Faster Lifting & Lowering Speed
- Precisely Steering
- Higher Acceleration Ability
- New Brake System

Comfort and Ergonomics

- Smaller Steering Wheel
- Ergonomics Designed Operation Handler
- Excellent Visibility
- Low Vibration & Noise Level
- Enlarged Operation Space
- Multifunctional LCD Display Meter

Safety Operation

- Low Truck Gravity
- Integral Heavy Duty Chassis
- System of Active Stability

Superior and Economic Serviceability

- Newly Designed Engine Cover Structure
- Easy Service and Maintenance Design
- Unique Design of Radiator Assembly
- Reliable Hydraulic System



Working efficiency
20%
improved

Vibration
20%
reduced

H *igh Efficiency and Productivity*

- 1 The large assist grip, low step make getting on and off more smoothly. This can help reduce the operator's fatigue. The foot operation space is enlarged by 20% to provide operator with comfortable feeling.
- 2 The small-diameter steering wheel with the full hydraulic power steering system provides excellent maneuverability.
- 3 The easy-handling steering column with tilt adjustment provides an ideal operating position and increases comfort.

1



3



2





Comfort and Ergonomics



Upward Visibility

Press forming overhead guard provides stronger protection and good upward visibility.



Forward Visibility

Optimal mast width and hose lay-behind ensure a clear view through the mast.



Fork-tip Visibility

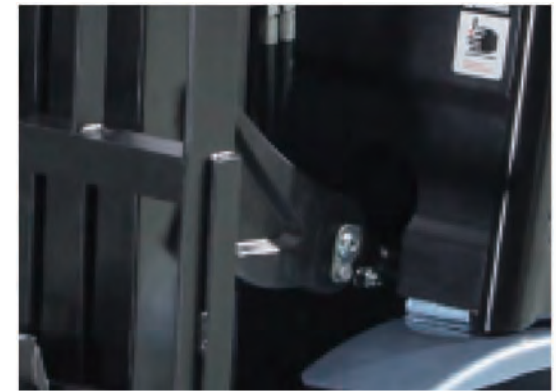
Small-diameter steering wheel, optimally positioned display and right-position lever for excellent visibility of the fork tips.



Performance Design

Adjustable seat with right positioned control lever, with the theory of ergonomic, it works out the best moment arm of force, to have the operation handler in the best position. It can provide the operator with the best comfort of operation and also increase the better visibility.

Internal cylinder design for dust-proof avoid potential damage. The tilting angle of floor board is reduced to 15°, comfort and reduces leg fatigue when operating.



Ergonomics

The multifunction display offers useful information for operators and managers.

The key components and connectors have been protected to meet rain-proof and dust proof level.

The standard LED lights provide a better lighting for operations and it's effective in energy conservation.

There is a safety protection switch in the hand brake, the button greatly reduces fatigue during operation. It's easier and safer.



 Energy-efficient LED Lights

 Multifunctional instrument panel

 Interlock parking brake



Easy LPG tank exchanging

LPG Forklift equipped special designed LPG tank holder for easy and convenient operation.

Change the tank by 3 steps quickly without being strenuous.



Easy Maintenance and Service

Designed larger space and compact wire distribution, it's convenient to have big checking and maintenance.

Auxiliary radiator and waterproof fuse box with clear function indication are standard for each IC forklift.

We know your business demands more than just quality products. Quality complaints and suggestions on improvements will be addressed and processed promptly. Our service team will provide comprehensive after-sale service and support for ROYAL products.



R Series 1.5-1.8t Diesel Forklift

General	1	Manufacturer	RY		
	2	Model	C15	C18	
	3	Power Type	Diesel		
	4	Rated Load Capacity	kg	1500	1800
	5	Load Centre	mm	500	
	6	Rated Lift Height	mm	3000	
Characteristic & Dimension	7	Free Lift Height	mm	115	
	8	Mast Tilt Angle (F/R, $\alpha^{\circ} / \beta^{\circ}$)	Deg	6 [°] / 10 [°]	
	9	Mast Lowered Height	mm	2040	
	10	Mast Extended Height (With Backrest)	mm	3832	
	11	Overhead Guard Height	mm	2134	
	12	Ground Clearance (Bottom of Mast)	mm	120	
	13	Length to Face of Fork (Without Fork)	mm	2286	
	14	Overall Width	mm	1120	
	15	Fork Size (L×W×T)	mm	920×120×35	
	16	Fork Overhang (Wheel Center to Fork Face)	mm	421	
	17	Turning Radius (Outside)	mm	2078	2113
	18	"Min.Right Angle Stacking Aisle Width (Add Load Length and Clearance)"	mm	2278	2313
Performance	19	Travel Speed (No Load)	km/h	14.5	
	20	Travel Speed (Full Load)	km/h	13.5	
	21	Lifting Speed (Full Load)	mm/sec	500	
	22	Lowering Speed (Full Load)	mm/sec	450	
	23	Max.Drawbar Pull (Full Load)	KN	22/18	
	24	Max.Gradeability (Full Load)	%	20	
Chassis	25	Tyre (Front x 2)	mm	6.50-10-10PR	
	26	Tyre (Rear x 2)	mm	5.00-8-10PR	
	27	Front Tread	mm	890	
	28	Rear Tread	mm	920	
	29	Wheelbase	mm	1400	
Weight	30	Total Weight	kg	2590	2920
	31	Front Axle Weight Distribution (Full / No Load)	kg	3681/1070	4248/1226
	32	Rear Axle Weight Distribution (Full / No Load)	kg	409/1520	472/1694
Power & Transmission	33	Battery	V/Ah	12/90	
	34	Fuel Tank Capacity	L	38	
	35	Transmission Type		Powershift	
	36	Transmission Stage (FWD/RVS)		1/1(2/2)	
	37	Operating Pressure (For Attachments)	Mpa	14.5	

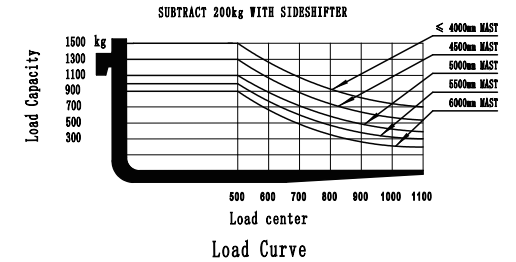
R Series 1.5-1.8t Gasoline&LPG Forklift

General	1	Manufacturer	RY		
	2	Model	G15	G18	
	3	Power Type	Gasoline		
	4	Rated Load Capacity	kg	1500	1800
	5	Load Centre	mm	500	
	6	Rated Lift Height	mm	3000	
Characteristic & Dimension	7	Free Lift Height	mm	115	
	8	Mast Tilt Angle (F/R, $\alpha^{\circ} / \beta^{\circ}$)	Deg	6 [°] / 10 [°]	
	9	Mast Lowered Height	mm	2040	
	10	Mast Extended Height (With Backrest)	mm	3832	
	11	Overhead Guard Height	mm	2134	
	12	Ground Clearance (Bottom of Mast)	mm	120	
	13	Length to Face of Fork (Without Fork)	mm	2286	
	14	Overall Width	mm	1120	
	15	Fork Size (L×W×T)	mm	920×120×35	
	16	Fork Overhang (Wheel Center to Fork Face)	mm	421	
	17	Turning Radius (Outside)	mm	2078	2113
	18	"Min.Right Angle Stacking Aisle Width (Add Load Length and Clearance)"	mm	2278	2313
Performance	19	Travel Speed (No Load)	km/h	14.5	
	20	Travel Speed (Full Load)	km/h	13.5	
	21	Lifting Speed (Full Load)	mm/sec	500	
	22	Lowering Speed (Full Load)	mm/sec	450	
	23	Max.Drawbar Pull (Full Load)	KN	22/18	
	24	Max.Gradeability (Full Load)	%	20	
Chassis	25	Tyre (Front x 2)	mm	6.50-10-10PR	
	26	Tyre (Rear x 2)	mm	5.00-8-10PR	
	27	Front Tread	mm	890	
	28	Rear Tread	mm	920	
	29	Wheelbase	mm	1400	
Weight	30	Total Weight	kg	2590	2920
	31	Front Axle Weight Distribution (Full / No Load)	kg	3681/1070	4248/1226
	32	Rear Axle Weight Distribution (Full / No Load)	kg	409/1520	472/1694
Power & Transmission	33	Battery	V/Ah	12/90	
	34	Fuel Tank Capacity	L	38	
	35	Transmission Type		Powershift	
	36	Transmission Stage (FWD/RVS)		1/1(2/2)	
	37	Operating Pressure (For Attachments)	Mpa	14.5	

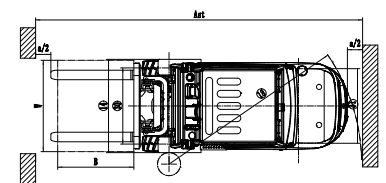
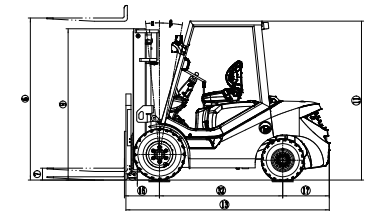
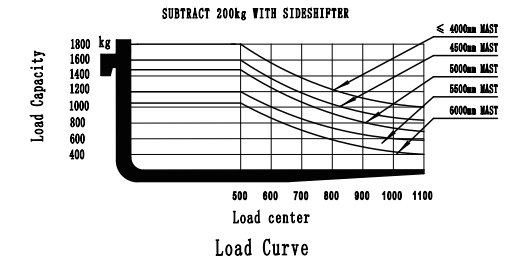
R Series Mast information 1.5-1.8t IC Forklift

MAST	TYPE	LIFTING HEIGHT ON FORK (mm)	OVERALL HEIGHT MAST LOWERED (mm)	FREE LIFT ON FORKS (mm)	Mast Extended Height (mm)		CAPACITY AT MAX.HEIGHT (Kg)		MAST TILTING ANGLE FRONT/REAR	
					Without Backrest	With Backrest	WITHOUT SIDE SHIFT CARRIAGE	WITH SIDE SHIFT CARRIAGE		
DUPLIX TOTAL VISIBILITY	2S-3.0M	C15	3000	2040	115	3440	3832	1500	1300	6° / 10°
		C18	3000	2040		3440	3832	1800	1600	6° / 10°
	2S-3.3M	C15	3300	2190		3740	4132	1500	1300	6° / 10°
		C18	3300	2190		3740	4132	1800	1600	6° / 10°
	2S-3.5M	C15	3500	2290		3940	4332	1500	1300	6° / 10°
		C18	3500	2290		3940	4332	1800	1600	6° / 10°
	2S-3.7M	C15	3700	2390		4140	4532	1500	1300	6° / 10°
		C18	3700	2390		4140	4532	1800	1600	6° / 10°
	2S-4.0M	C15	4000	2590		4440	4832	1500	1300	6° / 6°
		C18	4000	2590		4440	4832	1800	1600	6° / 6°
	2S-4.5M	C15	4500	2840		4940	5332	1300	1100	6° / 6°
		C18	4500	2840		4940	5332	1600	1400	6° / 6°
	2S-5.0M	C15	5000	3140		5440	5832	1100	900	6° / 6°
		C18	5000	3140		5440	5832	1450	1250	6° / 6°
	2S-5.5M	C15	5500	3390		5940	6332	1000	800	3° / 6°
		C18	5500	3390		5940	6332	1200	1000	3° / 6°
2S-6.0M	C15	6000	3640	6440	6832	900	700	3° / 6°		
	C18	6000	3640	6440	6832	1050	850	3° / 6°		
TWO STAGES FULL FREE DOOR FRAME	2S-3.0M	C15	3000	2040	1535	3505	3855	1500	1300	6° / 10°
		C18	3000	2040	1535	3505	3855	1800	1600	6° / 10°
	2S-3.3M	C15	3300	2190	1735	3805	4155	1500	1300	6° / 10°
		C18	3300	2190	1735	3805	4155	1800	1600	6° / 10°
	2S-3.5M	C15	3500	2290	1785	4005	4355	1500	1300	6° / 10°
		C18	3500	2290	1785	4005	4355	1800	1600	6° / 10°
	2S-3.7M	C15	3700	2390	1835	4205	4555	1500	1300	6° / 10°
		C18	3700	2390	1835	4205	4555	1800	1600	6° / 10°
2S-4.0M	C15	4000	2640	2035	4505	4855	1500	1300	6° / 6°	
	C18	4000	2640	2035	4505	4855	1800	1600	6° / 6°	
FREE LIFTING TRIPLEX	3S-4.3M	C15	4300	2060	1435	4750	5159	1380	1180	6° / 6°
		C18	4300	2060	1435	4750	5159	1680	1480	6° / 6°
	3S-4.5M	C15	4500	2110	1535	4950	5359	1300	1100	6° / 6°
		C18	4500	2110	1535	4950	5359	1600	1400	6° / 6°
	3S-4.7M	C15	4700	2160	1635	5150	5559	1220	1020	6° / 6°
		C18	4700	2160	1635	5150	5559	1540	1340	6° / 6°
	3S-5.0M	C15	5000	2260	1735	5450	5859	1100	900	6° / 6°
		C18	5000	2260	1735	5450	5859	1450	1250	6° / 6°
	3S-5.5M	C15	5500	2460	1835	5950	6359	1000	800	3° / 6°
		C18	5500	2460	1835	5950	6359	1200	1000	3° / 6°
	3S-6.0M	C15	6000	2660	2035	6450	6859	900	700	3° / 6°
		C18	6000	2660	2035	6450	6859	1050	850	3° / 6°

1.5t



1.8t



R Series 2.0-2.5t Diesel Forklift

General	1	Manufacturer	RY		
	2	Model	C20	C25	
	3	Power Type	Diesel		
Characteristic & Dimension	4	Rated Load Capacity	kg	2000 2500	
	5	Load Centre	mm	500	
	6	Rated Lift Height	mm	3000	
	7	Free Lift Height	mm	140	
	8	Mast Tilt Angle (F/R, $\alpha^\circ / \beta^\circ$)	Deg	6° / 12°	
	9	Mast Lowered Height	mm	2065	
	10	Mast Extended Height (With Backrest)	mm	4122	
	11	Overhead Guard Height	mm	2180	
	12	Ground Clearance (Bottom of Mast)	mm	125	
	13	Length to Face of Fork (Without Fork)	mm	2675	
	14	Overall Width	mm	1150	
	15	Fork Size (L×W×T)	mm	1070×125×40	
	16	Fork Overhang (Wheel Center to Fork Face)	mm	473	
	17	Turning Radius (Outside)	mm	2315	
	18	Min.Right Angle Stacking Aisle Width (Add Load Length and Clearance)	mm	2515	
	Performance	19	Travel Speed (No Load)	km/h	20
		20	Travel Speed (Full Load)	km/h	19
21		Lifting Speed (Full Load)	mm/sec	510	
22		Lowering Speed (Full Load)	mm/sec	450	
Chassis	23	Max.Drawbar Pull (Full Load)	KN	17/14.5	
	24	Max.Gradeability (Full Load)	%	20	
	25	Tyre (Front x 2)	mm	7.00-12-12PR	
Weight	26	Tyre (Rear x 2)	mm	6.00-9-10PR	
	27	Front Tread	mm	970	
	28	Rear Tread	mm	980	
	29	Wheelbase	mm	1650	
Power & Transmission	30	Total Weight	kg	3450 3620	
	31	Front Axle Weight Distribution (Full / No Load)	kg	4856/1507 5372/1492	
	32	Rear Axle Weight Distribution (Full / No Load)	kg	594/1943 748/2128	
	33	Battery	V/Ah	12/90	
	34	Fuel Tank Capacity	L	50	
	35	Transmission Type	Powershift		
	36	Transmission Stage (FWD/RVS)	1/1(2/2)		
	37	Operating Pressure (For Attachments)	Mpa	17.5	

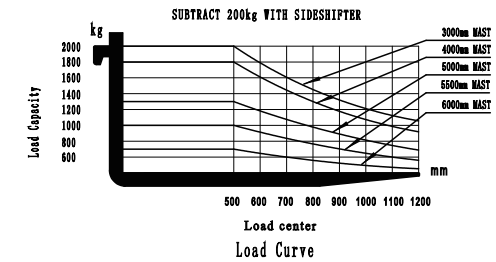
R Series 2.0-2.5t Gasoline&LPG Forklift

General	1	Manufacturer	RY		
	2	Model	G20	G25	
	3	Power Type	Gasoline		
Characteristic & Dimension	4	Rated Load Capacity	kg	2000 2500	
	5	Load Centre	mm	500	
	6	Rated Lift Height	mm	3000	
	7	Free Lift Height	mm	140	
	8	Mast Tilt Angle (F/R, $\alpha^\circ / \beta^\circ$)	Deg	6° / 12°	
	9	Mast Lowered Height	mm	2065	
	10	Mast Extended Height (With Backrest)	mm	4122	
	11	Overhead Guard Height	mm	2180	
	12	Ground Clearance (Bottom of Mast)	mm	125	
	13	Length to Face of Fork (Without Fork)	mm	2675	
	14	Overall Width	mm	1150	
	15	Fork Size (L×W×T)	mm	1070×125×40	
	16	Fork Overhang (Wheel Center to Fork Face)	mm	473	
	17	Turning Radius (Outside)	mm	2315	
	18	Min.Right Angle Stacking Aisle Width (Add Load Length and Clearance)	mm	2515	
	Performance	19	Travel Speed (No Load)	km/h	20
		20	Travel Speed (Full Load)	km/h	19
21		Lifting Speed (Full Load)	mm/sec	510	
22		Lowering Speed (Full Load)	mm/sec	450	
Chassis	23	Max.Drawbar Pull (Full Load)	KN	17/14.5	
	24	Max.Gradeability (Full Load)	%	20	
	25	Tyre (Front x 2)	mm	7.00-12-12PR	
Weight	26	Tyre (Rear x 2)	mm	6.00-9-10PR	
	27	Front Tread	mm	970	
	28	Rear Tread	mm	980	
	29	Wheelbase	mm	1650	
Power & Transmission	30	Total Weight	kg	3450 3620	
	31	Front Axle Weight Distribution (Full / No Load)	kg	4856/1507 5372/1492	
	32	Rear Axle Weight Distribution (Full / No Load)	kg	594/1943 748/2128	
	33	Battery	V/Ah	12/90	
	34	Fuel Tank Capacity	L	50	
	35	Transmission Type	Powershift		
	36	Transmission Stage (FWD/RVS)	1/1(2/2)		
	37	Operating Pressure (For Attachments)	Mpa	17.5	

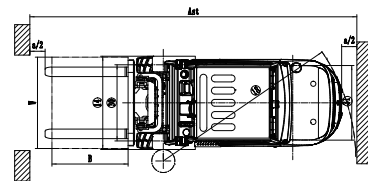
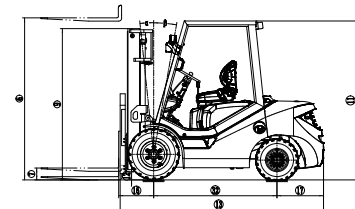
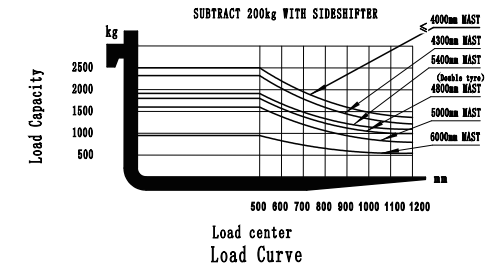
R Series Mast information 2.0-2.5t IC Forklift

MAST	TYPE	LIFTING HEIGHT ON FORK (mm)	OVERALL HEIGHT MAST LOWERED (mm)	FREE LIFT ON FORKS (mm)	Mast Extended Height (mm)		CAPACITY AT MAX.HEIGHT (Kg)		MAST TILTING ANGLE FRONT/REAR	
					Without Backrest	With Backrest	WITHOUT SIDE SHIFT CARRIAGE	WITH SIDE SHIFT CARRIAGE		
					DUPLIX TOTAL VISIBILITY					
2S-3.0M	C20	3000	2065	140	3610	4122	2000	1800	6° / 12°	
	C25	3000	2065		3610	4122	2500	2300	6° / 12°	
	2S-3.3M	C20	3300		2215	3910	4422	1940	1740	6° / 12°
		C25	3300		2215	3910	4422	2500	2300	6° / 12°
	2S-3.5M	C20	3500		2315	4110	4622	1900	1700	6° / 12°
		C25	3500		2315	4110	4622	2500	2300	6° / 12°
	2S-4.0M	C20	4000		2615	4610	5122	1800	1600	6° / 6°
		C25	4000		2615	4610	5122	2500	2300	6° / 6°
	2S-4.5M	C20	4500		2865	5110	5622	1550	1350	6° / 6°
		C25	4500		2865	5110	5622	2100	1900	6° / 6°
	2S-5.0M	C20	5000		3165	5610	6122	1300	1100	6° / 6°
		C25	5000		3165	5610	6122	1600	1400	6° / 6°
	2S-5.5M	C20	5500		3415	6110	6622	1000	800	3° / 6°
		C25	5500		3415	6110	6622	1275	1075	3° / 6°
	2S-6.0M	C20	6000		3665	6110	7122	700	500	3° / 6°
		C25	6000		3665	6110	7122	950	750	3° / 6°
TWO STAGES FULL FREE DOOR FRAME										
2S-3.0M	C20	3000	2055	1540	3610	4050	2000	1800	6° / 12°	
	C25	3000	2055	1540	3610	4050	2500	2300	6° / 12°	
	2S-3.5M	C20	3500	2305	1790	4110	4550	1900	1700	6° / 12°
		C25	3500	2305	1790	4110	4550	2500	2300	6° / 12°
	2S-4.0M	C20	4000	2655	2040	4610	5050	1800	1600	6° / 6°
		C25	4000	2655	2040	4610	5050	2500	2300	6° / 6°
FREE LIFTING TRIPLEX										
3S-4.3M	C20	4300	2055	1440	4905	5417	1650	1450	6° / 6°	
	C25	4300	2055	1440	4905	5417	2300	2100	6° / 6°	
	3S-4.5M	C20	4500	2105	1540	5105	5617	1550	1350	6° / 6°
		C25	4500	2105	1540	5105	5617	2100	1900	6° / 6°
	3S-4.7M	C20	4700	2155	1640	5305	5817	1450	1250	6° / 6°
		C25	4700	2155	1640	5305	5817	1900	1700	6° / 6°
	3S-5.0M	C20	5000	2255	1740	5605	6117	1300	1100	6° / 6°
		C25	5000	2255	1740	5605	6117	1600	1400	6° / 6°
	3S-5.5M	C20	5500	2445	1840	6105	6617	1000	800	3° / 6°
		C25	5500	2445	1840	6105	6617	1275	1075	3° / 6°
	3S-6.0M	C20	6000	2655	2040	6605	7117	700	500	3° / 6°
		C25	6000	2655	2040	6605	7117	950	750	3° / 6°

2.0t



2.5t



R Series 3.0-4.0t Diesel Forklift

General	1	Manufacturer	RY				
	2	Model	C30	C35	C40		
	3	Power Type	Diesel				
	4	Rated Load Capacity	kg	3000	3500	4000	
	5	Load Centre	mm	500			
	6	Rated Lift Height	mm	3000			
Characteristic & Dimension	7	Free Lift Height	mm	145	150	150	
	8	Mast Tilt Angle (F/R, $\alpha^\circ / \beta^\circ$)	Deg	6° / 12°			
	9	Mast Lowered Height	mm	2090		2120	
	10	Mast Extended Height (With Backrest)	mm	4117		4117	
	11	Overhead Guard Height	mm	2192		2200	
	12	Ground Clearance (Bottom of Mast)	mm	145			
	13	Length to Face of Fork (Without Fork)	mm	2716	2780	2968	
	14	Overall Width	mm	1225		1414	
	15	Fork Size (L×W×T)	mm	1070×125×45		1070×125×50	
	16	Fork Overhang (Wheel Center to Fork Face)	mm	478		493	
Performance	17	Turning Radius (Outside)	mm	2420	2490	2670	
	18	"Min.Right Angle Stacking Aisle Width (Add Load Length and Clearance)"	mm	2620	2690	2870	
	19	Travel Speed (No Load)	km/h	20			
	20	Travel Speed (Full Load)	km/h	18.5			
	21	Lifting Speed (Full Load)	mm/sec	430	400	360	
	22	Lowering Speed (Full Load)	mm/sec	450			
	23	Max.Drawbar Pull (Full Load)	KN	16/15.7	24/19.5	17/15	
	24	Max.Gradeability (Full Load)	%	20		15	
	Chassis	25	Tyre (Front x 2)	mm	28×9-15-12PR		250-15-16PR
		26	Tyre (Rear x 2)	mm	6.50-10-10PR		6.50-10-10PR
		27	Front Tread	mm	1000		1160
		28	Rear Tread	mm	980		
29		Wheelbase	mm	1700		1900	
Weight	30	Total Weight	kg	4310	4750	5170	
	31	Front Axle Weight Distribution (Full / No Load)	kg	6490/1764	7320/2040	8120/2120	
	32	Rear Axle Weight Distribution (Full / No Load)	kg	820/2546	930/2710	1050/3050	
Power & Transmission	33	Battery	V/Ah	12/90			
	34	Fuel Tank Capacity	L	50		60	
	35	Transmission Type		Powershift			
	36	Transmission Stage (FWD/RVS)		1/1(2/2)			
	37	Operating Pressure (For Attachments)	Mpa	17.5			

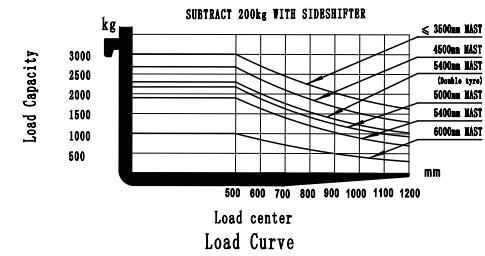
R Series 3.0-3.5t Gasoline&LPG Forklift

General	1	Manufacturer	RY				
	2	Model	G30	G35	G35		
	3	Power Type	Gasoline				
	4	Rated Load Capacity	kg	3000	3500		
	5	Load Centre	mm	500			
	6	Rated Lift Height	mm	3000			
Characteristic & Dimension	7	Free Lift Height	mm	145	150		
	8	Mast Tilt Angle (F/R, $\alpha^\circ / \beta^\circ$)	Deg	6° / 12°			
	9	Mast Lowered Height	mm	2090		2120	
	10	Mast Extended Height (With Backrest)	mm	4117		4117	
	11	Overhead Guard Height	mm	2192		2200	
	12	Ground Clearance (Bottom of Mast)	mm	145			
	13	Length to Face of Fork (Without Fork)	mm	2716	2780	2780	
	14	Overall Width	mm	1225		1414	
	15	Fork Size (L×W×T)	mm	1070×125×45		1070×125×50	
	16	Fork Overhang (Wheel Center to Fork Face)	mm	478		493	
Performance	17	Turning Radius (Outside)	mm	2420	2490		
	18	"Min.Right Angle Stacking Aisle Width (Add Load Length and Clearance)"	mm	2620	2690		
	19	Travel Speed (No Load)	km/h	20			
	20	Travel Speed (Full Load)	km/h	18.5			
	21	Lifting Speed (Full Load)	mm/sec	430	400	360	
	22	Lowering Speed (Full Load)	mm/sec	450			
	23	Max.Drawbar Pull (Full Load)	KN	16/15.7	24/19.5	17/15	
	24	Max.Gradeability (Full Load)	%	20		15	
	Chassis	25	Tyre (Front x 2)	mm	28×9-15-12PR		250-15-16PR
		26	Tyre (Rear x 2)	mm	6.50-10-10PR		6.50-10-10PR
		27	Front Tread	mm	1000		1160
		28	Rear Tread	mm	980		
29		Wheelbase	mm	1700		1900	
Weight	30	Total Weight	kg	4310	4750		
	31	Front Axle Weight Distribution (Full / No Load)	kg	6490/1764	7320/2040		
	32	Rear Axle Weight Distribution (Full / No Load)	kg	820/2546	930/2710		
Power & Transmission	33	Battery	V/Ah	12/90			
	34	Fuel Tank Capacity	L	50		60	
	35	Transmission Type		Powershift			
	36	Transmission Stage (FWD/RVS)		1/1(2/2)			
	37	Operating Pressure (For Attachments)	Mpa	17.5			

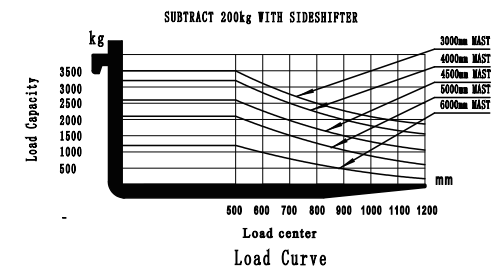
R Series Mast information 3.0-4.0t IC Forklift

MAST	TYPE	LIFTING HEIGHT ON FORK (mm)	OVERALL HEIGHT MAST LOWERED (mm)	FREE LIFT ON FORKS (mm)	Mast Extended Height (mm)		CAPACITY AT MAX.HEIGHT (Kg)		MAST TILTING ANGLE FRONT/REAR	
					Without Backrest	With Backrest	WITHOUT SIDE SHIFT CARRIAGE	WITH SIDE SHIFT CARRIAGE		
DUPLIX TOTAL VISIBILITY	2S-3.0M	C30	3000	2090	145	3605	4117	3000	2800	6 / 12
		C35	3000	2090	150	3605	4117	3500	3300	6 / 12
		C40	3000	2120	150	3605	4117	4000	3800	6 / 12
	2S-3.3M	C30	3300	2240	145	3905	4417	3000	2800	6 / 12
		C35	3300	2240	150	3905	4417	3410	3210	6 / 12
		C40	3300	2270	150	3905	4417	4000	3800	6 / 12
	2S-3.5M	C30	3500	2340	145	4105	4617	3000	2800	6 / 12
		C35	3500	2340	150	4105	4617	3350	3150	6 / 12
		C40	3500	2370	150	4105	4617	4000	3800	6 / 12
	2S-3.7M	C30	3700	2440	145	4305	4817	2940	2740	6 / 6
		C35	3700	2440	150	4305	4817	3290	3090	6 / 6
		C40	3700	2470	150	4305	4817	3920	3720	6 / 6
	2S-4.0M	C30	4000	2640	145	4605	5117	2850	2650	6 / 6
		C35	4000	2640	150	4605	5117	3200	3000	6 / 6
		C40	4000	2670	150	4605	5117	3800	3600	6 / 6
	2S-4.5M	C30	4500	2890	145	5105	5617	2700	2500	6 / 6
		C35	4500	2890	150	5105	5617	2600	2400	6 / 6
		C40	4500	2920	150	5105	5617	3300	3100	6 / 6
	2S-5.0M	C30	5000	3190	145	5605	6117	2200	2000	6 / 6
		C35	5000	3190	150	5605	6117	2100	1900	6 / 6
C40		5000	3220	150	5605	6117	2900	2700	6 / 6	
2S-5.5M	C30	5500	3440	145	6105	6617	1900	1700	3 / 6	
	C35	5500	3440	150	6105	6617	1650	1450	3 / 6	
	C40	5500	3470	150	6105	6617	2300	2100	3 / 6	
2S-6.0M	C30	6000	3690	145	6605	7117	1000	800	3 / 6	
	C35	6000	3690	150	6605	7117	1200	1000	3 / 6	
	C40	6000	3720	150	6605	7117	1800	1600	3 / 6	
TWO STAGES FULL FREE DOOR FRAME	2S-3.0M	C30	3000	2080	1545	3605	4045	3000	2800	6 / 12
		C35	3000	2080	1550	3605	4045	3500	3300	6 / 12
		C40	3000	2120	1550	3605	4045	4000	3800	6 / 12
	2S-3.5M	C30	3500	2330	1795	4105	4545	3000	2800	6 / 12
		C35	3500	2330	1800	4105	4545	3350	3150	6 / 12
		C40	3500	2370	1800	4105	4545	4000	3800	6 / 12
	2S-4.0M	C30	4000	2680	2045	4605	5045	2850	2650	6 / 6
		C35	4000	2680	2050	4605	5045	3200	3000	6 / 6
		C40	4000	2670	2050	4605	5045	3800	3600	6 / 6
FREE LIFTING TRIPLEX	3S-4.3M	C30	4300	2080	1445	4905	5417	2760	2560	6 / 6
		C35	4300	2080	1450	4905	5417	2840	2640	6 / 6
		C40	4300	2115	1450	4905	5417	3500	3300	6 / 6
	3S-4.5M	C30	4500	2130	1450	5105	5617	2700	2500	6 / 6
		C35	4500	2130	1545	5105	5617	2600	2400	6 / 6
		C40	4500	2165	1550	5105	5617	3300	3100	6 / 6
	3S-4.7M	C30	4700	2180	1645	5305	5817	2500	2300	6 / 6
		C35	4700	2180	1650	5305	5817	2400	2200	6 / 6
		C40	4700	2215	1650	5305	5817	3100	2900	6 / 6
	3S-5.0M	C30	5000	2280	1745	5605	6117	2200	2000	6 / 6
		C35	5000	2280	1750	5605	6117	2100	1900	6 / 6
		C40	5000	2315	1750	5605	6117	2900	2700	6 / 6
3S-5.5M	C30	5500	2480	1845	6105	6617	1900	1700	3 / 6	
	C35	5500	2480	1850	6105	6617	1650	1450	3 / 6	
	C40	5500	2515	1850	6105	6617	2300	2100	3 / 6	
3S-6.0M	C30	6000	2680	2045	6605	7117	1000	800	3 / 6	
	C35	6000	2680	2050	6605	7117	1200	1000	3 / 6	
	C40	6000	2715	2050	6605	7117	1800	1600	3 / 6	

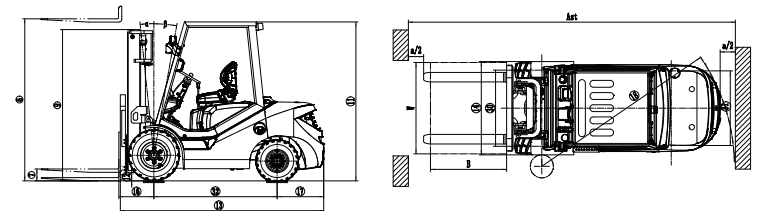
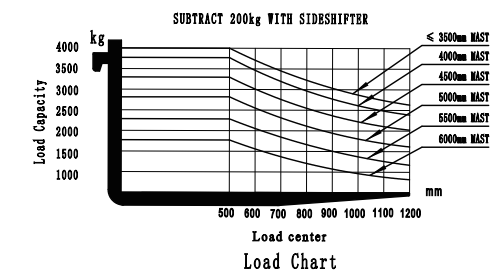
3.0t



3.5t



4.0t

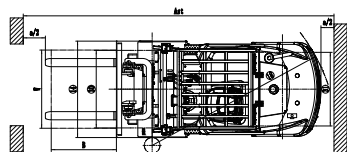
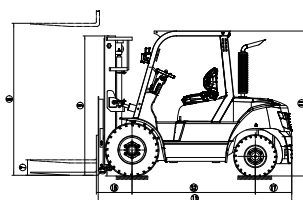


R Series 4.5-5.0t Diesel Forklift

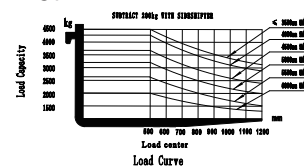
R Series Mast information 4.5-5.0t IC Forklift

General	1	Manufacturer	RY	
	2	Model	C45	C50
	3	Power Type	Diesel	
	4	Rated Load Capacity	kg	4500 5000
	5	Load Centre	mm	500
	6	Rated Lift Height	mm	3000
Characteristic & Dimension	7	Free Lift Height	mm	135 140
	8	Mast Tilt Angle (F/R, $\alpha^\circ / \beta^\circ$)	Deg	6° / 12°
	9	Mast Lowered Height	mm	2260
	10	Mast Extended Height (With Backrest)	mm	2210
	11	Overhead Guard Height	mm	2265
	12	Ground Clearance (Bottom of Mast)	mm	170
	13	Length to Face of Fork (Without Fork)	mm	3260 3310
	14	Overall Width	mm	1490
	15	Fork Size (L×W×T)	mm	1070×150×50
	16	Fork Overhang (Wheel Center to Fork Face)	mm	590 595
	17	Turning Radius (Outside)	mm	2920 2960
18	Min.Right Angle Stacking Aisle Width (Add Load Length and Clearance)	mm	3120 3160	
Performance	19	Travel Speed (No Load)	km/h	25
	20	Travel Speed (Full Load)	km/h	19
	21	Lifting Speed (Full Load)	mm/sec	450
	22	Lowering Speed (Full Load)	mm/sec	500
	23	Max.Drawbar Pull (Full Load)	KN	17/14.5
	24	Max.Gradeability (Full Load)	%	20 18
Chassis	25	Tyre (Front x 2)	mm	300-15-18PR
	26	Tyre (Rear x 2)	mm	700-12-12PR
	27	Front Tread	mm	1190
	28	Rear Tread	mm	1130
	29	Wheelbase	mm	2000
Weight	30	Total Weight	kg	6800 7100
	31	Front Axle Weight Distribution (Full / No Load)	kg	9750/2710 10500/2680
	32	Rear Axle Weight Distribution (Full / No Load)	kg	1550/4090 1600/4420
Power & Transmission	33	Battery	V/Ah	12/90
	34	Fuel Tank Capacity	L	90
	35	Transmission Type		Powershift
	36	Transmission Stage (FWD/RVS)		1/1(2/2)
	37	Operating Pressure (For Attachments)	Mpa	19

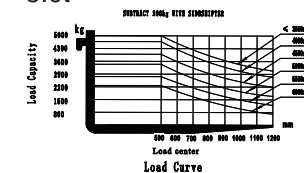
MAST	TYPE	FORKHEIGHT LIFTING (mm)	MAST HEIGHT LOWERED (mm)	FREE LIFT HEIGHT (mm)	MAST EXTENDED HEIGHT (mm)		CAPACITY AT MAX.HEIGHT (Kg)		MAST TILTING ANGLE F/R	
					WITHOUT BACKREST	WITH BACKREST	WITHOUT SIDE SHIFT	WITH SIDE SHIFT		
DUPLIX TOTAL VISIBILITY	2S-3.0M	C45	3000	2260	135	3600	4216	4500	4300	6° / 12°
		C50	3000	2260	140	3600	4216	5000	4800	6° / 12°
	2S-3.3M	C45	3300	2410	135	3900	4516	4500	4300	6° / 12°
		C50	3300	2410	140	3900	4516	5000	4800	6° / 12°
	2S-3.5M	C45	3500	2510	135	4100	4716	4500	4300	6° / 12°
		C50	3500	2510	140	4100	4716	5000	4800	6° / 12°
	2S-3.7M	C45	3700	2610	135	4300	4916	4420	4220	6° / 12°
		C50	3700	2610	140	4300	4916	4840	4640	6° / 12°
	2S-4.0M	C45	4000	2810	135	4600	5216	4300	4100	6° / 6°
		C50	4000	2810	140	4600	5216	4700	4500	6° / 6°
	2S-4.3M	C45	4300	2960	135	4900	5516	3940	3740	6° / 6°
		C50	4300	2960	140	4900	5516	4280	4080	6° / 6°
	2S-4.5M	C45	4500	3060	135	5100	5716	3700	3500	6° / 6°
		C50	4500	3060	140	5100	5716	4000	3800	6° / 6°
	2S-4.7M	C45	4700	3160	135	5300	5916	3500	3300	6° / 6°
		C50	4700	3160	140	5300	5916	3800	3600	6° / 6°
	2S-5.0M	C45	5000	3310	135	5600	6216	3200	3000	6° / 6°
		C50	5000	3310	140	5600	6216	3500	3300	6° / 6°
	2S-5.5M	C45	5500	3560	135	6100	6716	2600	2400	3° / 6°
		C50	5500	3560	140	6100	6716	2800	2600	3° / 6°
2S-6.0M	C45	6000	3860	135	6600	7216	2000	1800	3° / 6°	
	C50	6000	3860	140	6600	7216	2300	2100	3° / 6°	
TRIPLEX FULL FREE	3S-4.0M	C45	4000	2205	1429	4600	5221	4300	4100	6° / 6°
		C50	4000	2205	1434	4600	5221	4700	4500	6° / 6°
	3S-4.3M	C45	4300	2320	1544	4950	5571	3880	3680	6° / 6°
		C50	4300	2320	1549	4950	5571	4210	4010	6° / 6°
	3S-4.5M	C45	4500	2370	1594	5100	5721	3700	3500	6° / 6°
		C50	4500	2370	1599	5100	5721	4000	3800	6° / 6°
	3S-4.7M	C45	4700	2435	1659	5300	5921	3500	3300	6° / 6°
		C50	4700	2435	1644	5300	5921	3800	3600	6° / 6°
	3S-5.0M	C45	5000	2535	1759	5600	6221	3200	3000	6° / 6°
		C50	5000	2535	1764	5600	6221	3500	3300	6° / 6°
	3S-6.0M	C45	6000	2970	2094	6600	7221	2000	1800	3° / 6°
		C50	6000	2970	2099	6600	7221	2300	2100	3° / 6°



4.5t



5.0t



Engine

World renowned brands engine for superior performance.




Diesel




- 1.5-1.8ton YANMAR 4TNE92 / ISUZU C240 / XINCHAI 4N23
- 2.0-3.0ton YANMAR 4TNV94 / 4TNE98 / MITSUBISHI S4S / ISUZU C240 / XINCHAI C490
- 3.5-mini4ton YANMAR 4TNV94 / YANMAR 4TNE98 / MITSUBISHI S4S / XINCHAI A498
- 4.5-mini5ton MITSUBISHI S6S




Gasoline & LPG





- 1.5-1.8ton NISSAN K21
- 2.0-3.5ton NISSAN K25 / PSI 2.4L(4G64)



YANMAR	YANMAR	YANMAR
		
Diesel Model: 4TNE 92(EU/IIIA) Rated output:33kw/2450rpm	Diesel Model: 4TNV 94(EU/IIIA) Rated output:35.5kw/2300rpm	Diesel Model: 4TNE 98(EU/IIIA) Rated output:42.1kw/2300rpm

MITSUBISHI	MITSUBISHI	ISUZU
		
Diesel Model: S4S(EU/IIIA) Rated output:35.3kw/2300rpm	Diesel Model: S6S(EU/IIIA) Rated output:52kw/2450rpm	Diesel Model: C240(EU/IIIA) Rated output:34.6kw/2500rpm

XINCHAI	XINCHAI	NISSAN
		
Diesel Model: C490(EU/IIIA) Rated output:36.8kw/2650rpm	Diesel Model: A 498 Rated output:36.8kw/2400rpm	Gasoline/LPG Model: K21 Rated output:31.2kw/2250rpm

NISSAN	PSI	Diesel  Gasoline/LPG 
		
Gasoline/LPG Model: K25 Rated output:37.4kw/2300rpm	Gasoline/LPG Model: 4G64(Tier 4F) Rated output:50kw/2600rpm	



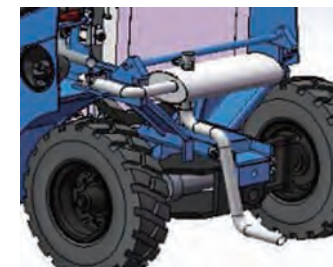
Suspension pedals provide extra foot space helps significantly reduce the driver's fatigue and vibration from transmission, increases operation comfort



Full floating safeguard system and greatly improving the frame vibration and noise. High strength roof enhances the forklift reliability and safety

Comfort and Ergonomics

Royal are trying from forklift products assembly in primary stage extending to upstream markets, through core components self-production, acquiring or holding key component suppliers to reduce production cost, ensure products quality and achieve technology leading.



Special muffler and new noise isolation material, reducing noise level by more than 4DB

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www.ryforklift.com



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