

UNITED

Forklift and
Access Solutions



United R-Series All Terrain Forklifts

3.5-5.0 Tonne



LIFT YOUR GAME



United R-Series All Terrain Forklifts

Built to handle demanding outdoor environments, United R-Series All Terrain forklifts, available in 3.5 to 5 tonne capacities, combine robust construction, strong lifting performance and 4WD capability to deliver reliable material handling where conventional forklifts can't.

Designed for construction sites, farms, yards, infrastructure projects and other challenging applications, the R-Series all terrain range provides the traction, ground clearance and durability needed to keep work moving across uneven surfaces.

United
Range



SCAN ME



UNITED
ALL TERRAIN **R-SERIES**

COMFORT



Ergonomic Cabin

A clean workspace with easy-to-use control layout enhances operator efficiency.

Clear Visibility

The open cabin, clear view mast, and overhead guard, provide excellent all-directional visibility.

Comfortable Steering

Adjustable to suit the operator with full hydraulic power steering and a steering knob ensuring smooth, responsive handling and easy turning.

Intelligent Shift Operation

Ensures smooth gear transition, easier operation, and superior operator comfort.



Full Suspension Seat

Provides a smoother and more comfortable ride by minimising vibration and shock when operating over rough terrain.



Rear Horn Handle

Conveniently positioned on the back overhead guard, this rear grab handle allows operators to easily alert pedestrians and other operators when driving in reverse.



Full Colour LCD Screen

The waterproof display is fully programmable and provides key information at a glance.

	Engine coolant temperature		Charging indication
	Fuel level		Block of air cleaner
	Oil temperature of drive axle		Hand brake
	LPG pressure		Seat switch
	Low break pressure		Neutral indication
	Engine alarm		Safety belt switch
	Turning left		Hourmeter
	Turning right		Oil and water separator
	Low fuel alarm		DPF parking regeneration request
	Engine oil pressure alarm		Two-wheel drive switch
	Preheating indication		Forcible no generation of DPF

PERFORMANCE



All Terrain Tyres

Designed to deliver reliable traction and efficiency across challenging terrains including grass, mud, gravel and sand.

Tight Turning Circle

A wide steering angle allows the operator to confidently manoeuvre in tight spaces or rugged environments.

Selectable 2WD & 4WD Switch

Allows operators to quickly respond to changing ground conditions for improved efficiency and traction.

Manual Differential Lock

Engages only when required, offering enhanced performance on all terrain while maintaining cost-efficiency.



Standard Drum Brakes

An ideal choice for a wide range of operating conditions, offering gentle, reliable stopping power and excellent cost of life advantages.

Standard Features		
Tilt cylinder boots	Larger pattern off-road tyres	Road lights
Overhead guard	Hub bridge (with differential lock)	USB port
Toolbox	Rear horn handle	Full suspension seat
Side shift and fork positioner	1,200mm-1,520 Forks	Reversing buzzer
Horn	Two way valve	Tow pin

SAFETY



Operator Presence Detection System

The forklift automatically locks all operation when it senses that the driver has left the seat. This ensures the forklift is only operational when the driver is properly seated and the seatbelt has been engaged.



Large Hand Grip, Non-slip Steps & Rubber Floor Mat

The inclusion of a large hand grip, non-slip step, and textured rubber floor mat significantly enhances operator safety by reducing the risk of slips and falls when entering or exiting the forklift. These features are particularly valuable in challenging conditions such as wet, muddy, uneven, or rugged environments.

Isolator Switch

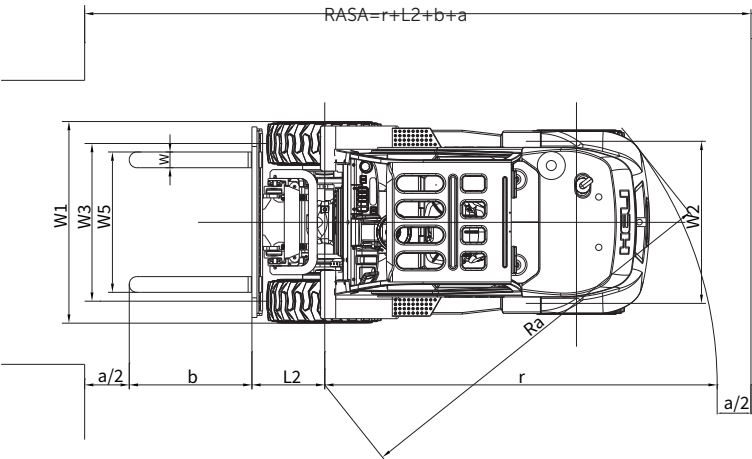
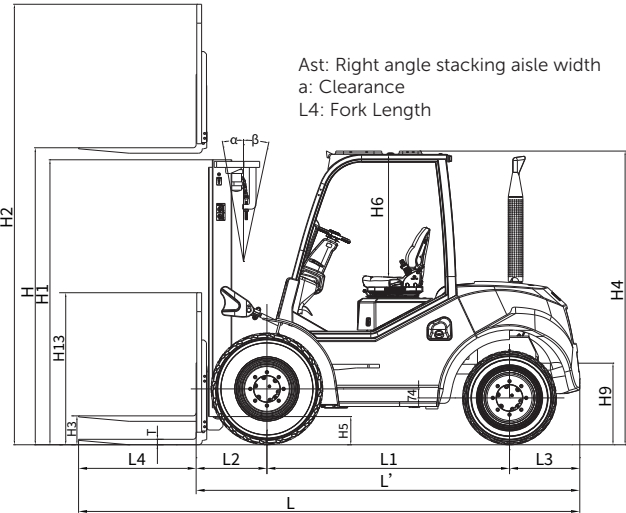
The isolator switch completely cuts off the electrical supply to the forklift, helping to prevent injuries in the event of a malfunction. It also enables technicians to safely perform maintenance tasks without the risk of electric shock or other hazards.



Optional Features		
Semi & fully enclosed cabins	Solid tyres	Custom attachments
Air conditioning system	Cabin fan	LED lighting
Heater	Protection net for overhead guard	Fleet monitoring system
Fire extinguisher	Fork extensions	Dual air cleaner
Over speed warning	Speed limiting	Pedestrian detection system

Machine Specifications

Character						
1.02	Model			CPCD35M	CPCD50QC	CPCD50KU
1.03	Rated Capacity		kg	3,500	5,000	
1.04	Load Center		mm	500	500	
1.05	Power Type			Diesel		
1.06	Operation Mode			Seat-type		
Dimensions						
2.01	Lifting Height (standard)	H	mm	3,000	3,000	
2.02	Height (mast lowered)	H1	mm	2,275	2,685	
2.03	Max. Fork Lifting Height (with backrest)	H2	mm	4,375	4,367	
2.04	Free Lift Height	H3	mm	160		
2.05	Overall Height	H4	mm	2,420	2,550	
2.06	Min.Ground Clearance (at the mast)	H5	mm	290	385	
2.07	Distance From the Surface of the Seat to the Overhead Guard	H6	mm	1,263	1,020	
2.08	Traction Pin Height	H9	mm	450	520	
2.09	Backrest Height (calculated from the surface of the fork)	H13	mm	1,287	1370	
2.10	Overall Length (with fork/without fork)	(L/L')	mm	4,229/3,159	4,960/3,740	
2.11	Wheel Base	L1	mm	2,000	2,300	
2.12	Front Overhang	L2	mm	594	735	
2.13	Rear Overhang	L3	mm	575	720	
2.14	Overall Width	W1	mm	1,600	2,130	
2.15	Tread (Front tread/Rear tread)	(W3/W2)	mm	1,250	1,700/1,800	
2.16	Fork Adjustable Range (the external of the fork) (max./min.)	W5	mm	1,560/250	2,000/300	
2.17	Min.Turning Radius (exterior)	r	mm	3,585	4,560	
2.18	Min.Right Angle Stacking Aisle Width	Ra	mm	5,594	5,500	
2.19	Mast Tilting Angle	α/β	deg.	10°/12°	15°/15°	
2.20	Fork Size	(L4xWxT)	mm	1,070x125x50	1,500x150x55	1,520x150x55
Performance						
3.01	Max.Traveling Speed (loaded/unloaded)	No differential lock	km/h	19	30/32	
3.02	Max.Gradeability (loaded/unloaded)	No differential lock	%	60	65/28-30	
3.03	Max.Drawbar Pull (loaded/unloaded)	No differential lock	kN	38	41-45	
3.04	Lifting Speed (loaded/unloaded)	/	mm/s	420/450	480/520	
3.05	Lowering Speed (loaded/unloaded)	/	mm/s	455/490	370/350	
Weight						
4.01	Total Weight		kg	5,700	9,000	
Wheel & Tyre						
5.01	Wheel Number x = Drive Wheel (Front/Rear)			2x/2		
5.02	Tyre Type (front/rear)			Vacuum tyre	Solid	
5.03	Tyre Size (front/rear)			14-17.5-16PR / 10-15.5-10PR	445/65-22.5TL / 12.5/80-18TL	
5.04	Service Brake			Hydraulic-Foot Pedal		
5.05	Parking Brake			Ratchet Parking Brake		
Transmission						
6.01	Transmission Box Shifting Gears (front/rear type)			2-1 Power Shift	2-2 Power Shift	
Engine						
7.01	Battery (voltage/capacity)		V/Ah	12/95	12/105	
7.02	Engine Model			Mitsubishi S4S	Quanchai 4C6	Kubota V3307
7.03	Engine Rated Power		kW/rpm	35.4/2,250	60-65/2,200	50-51/2,300
7.04	Engine Rated Torque		Nm/rpm	177/1,700	320-350/1,800	265/1,500-1,600
7.05	Emission			Euro III	China III	Euro V



Wide View Mast

Mast Model	Lifting Height (mm)	Load Capacity (kg) (load center 500mm)		Mast Overall Height (mm) (fork to the ground)		Service weight (kg)		Mast Tilting Angle (°) α/β	
		3.5t	5.0t	3.5t	5.0t	3.5t	5.0t	3.5t	5.0t
M300	3000	3500	5000	2280	2685	5850	9000	10°/12°	15°/15°
M330	3300	3500	5000	2430	2835	5910	9039	10°/12°	15°/15°
M350	3500	3500	5000	2530	2935	5920	9065	10°/12°	15°/15°
M370	3700	3500		2630		5940		10°/12°	
M375	3750		5000		3060		9098		15°/15°
M400	4000	3500	5000	2830	3235	6010	9231	10°/12°	15°/15°
M450	4500	3500	5000	3080	3360	6060	9296	10°/12°	15°/15°
M475	4750		5000		3610		9329		15°/10°
M500	5000	3300	5000	3330	3735	6100	9362	10°/10°	15°/10°
M550	5500	2650	4750	3630	4035	6190	9526	10°/10°	15°/10°
M600	6000	2050	4400	3880	4285	6230	9592	10°/10°	15°/10°

Wide View Full Free 2-Stage Mast

Mast Model	Lifting Height (mm)	Load Capacity (kg) (load center 500mm)		Mast Overall Height (mm) (fork to the ground)		Service weight (kg)		Mast Tilting Angle (°) α/β	
		3.5t	5.0t	3.5t	5.0t	3.5t	5.0t	3.5t	5.0t
ZM300	3000	3500	5000	2280	2685	5820	9000	10°/12°	15°/15°
ZM330	3300	3500	5000	2430	2835	5850	9039	10°/12°	15°/15°
ZM350	3500	3500	5000	2530	2935	5870	9065	10°/12°	15°/15°
ZM370	3700	3500		2630		5890		10°/12°	15°/15°
ZM375	3750		5000		3060		9148		15°/15°
ZM400	4000	3500	5000	2830	3235	5970	9281	10°/12°	15°/15°
ZM425	4250		5000		3360		9313		15°/15°
ZM450	4500		5000		3485		9346		15°/15°
ZM475	4750		5000		3610		9379		15°/10°
ZM500	5000		5000		3735		9412		15°/10°
ZM550	5500		4750		4035		9576		15°/10°
ZM600	6000		4400		4285		9642		15°/10°

Wide View Full Free 2-Stage Mast

Mast Model	Lifting Height (mm)	Load Capacity (kg) (load center 500mm)		Mast Overall Height (mm) (fork to the ground)		Service weight (kg)		Mast Tilting Angle (°) α/β	
		3.5t	5.0t	3.5t	5.0t	3.5t	5.0t	3.5t	5.0t
ZSM360	3600	3500	4500	2030	2560	5940	9538	10°/12°	15°/15°
ZSM400	4000	3500	4500	2180	2685	5980	9597	10°/12°	15°/15°
ZSM435	4350	3500	4500	2280	2810	6010	9652	10°/12°	15°/15°
ZSM450	4500	3500	4500	2330	2860	6020	9690	10°/12°	15°/15°
ZSM470	4700	3400		2390		6040		10°/12°	
ZSM480	4800		4500		2965		9727		15°/15°
ZSM500	5000	3300	4200	2530	3030	6080	9755	10°/10°	10°/10°
ZSM540	5400	2700	4100	2630	3165	6110	9820	10°/10°	10°/10°
ZSM550	5500		4100		3195		9910		10°/10°
ZSM600	6000	2000	4000	2830	3360	6210	10003	10°/10°	10°/10°

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