

NOBLELIFT

A Series 4.0/4.5/5.0 Ton

IC Forklift



NEW
ARRIVAL

NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD.

A Series 4.0/4.5/5.0 Ton IC Forklift

The A Series 4-5 ton IC forklift features market-proven core components for reliable performance. Designed with safety, durability, efficiency, and comfort in mind, it integrates Noblift's expertise in IC forklifts with the latest technology to deliver exceptional value and long-lasting performance.

Powerful & Reliable Performance

- Compatible with multiple low-emission, high-performance engines.
- Reinforced drive axle with superior casting precision and strength.
- Proven soft-connect transmission ensures smooth and reliable operation.
- Heavy-duty cast steering axle offers high load capacity and extended lifespan.

Optimized Design for Efficiency

- Upgraded hydraulic braking system enhances reliability and comfort.
- Extended wheelbase increases load capacity by 5%.
- Enlarged high-position air intake grille improves airflow and engine efficiency.
- Large LCD display provides real-time vehicle status monitoring.
- High-strength alloy steel mast for durability; Enhanced chain tensile strength and safety factor.

Energy-Saving & High Efficiency

- Enlarged hydraulic pipelines and optimized joint layout extend component lifespan.
- Dual-pump hydraulic system improves energy efficiency.
- Standard LED lighting provides energy efficiency, longevity, and reliability.
- Load-sensing technology prioritizes steering to reduce power waste.

Enhanced Comfort & User-Friendly Features

- Optimized cooling system with an enlarged aluminum plate-fin radiator significantly improves cooling performance.
- Standard air filter alarm alerts users for timely maintenance.
- Upgraded dual-threaded locking mechanism allows easier adjustments.
- Intelligent shifting system prevents second-gear starts (hydraulic model).

Driver-Centric Design for Comfort

- Optimized brake and accelerator pedals enhance driving comfort.
- Small-diameter steering wheel reduces effort and enhances ease of operation.
- Anti-slip metal pedals and other ergonomic features improve user comfort.

Engine Configuration Table

Engine Model	Quanchai V35-88C41	Mitsubishi S6S-G364CSFL	Xinchai 4E30YG52
Engine Description	(China IV)	(Euro IIIA)	(Euro V)
Engine Code	Q2	S3	X8
Power Type	Diesel	Diesel	Diesel
Power/Speed (kw/rpm)	65/2200	52/2200	55.8/2200
Torque (N.m/rpm)	350/1800	248/1700	320/1200-1600
Displacement (L)	3.47	4.966	2.97
Applicable Tonnage	4-5t	4-5t	4-5t



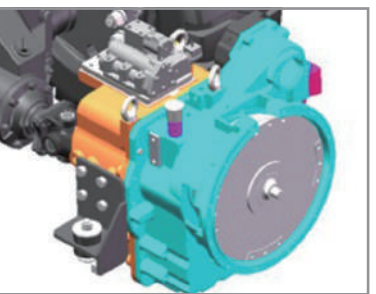
Lift cylinder cushioning for smooth handling.



Simple reliable hood with key lock option.



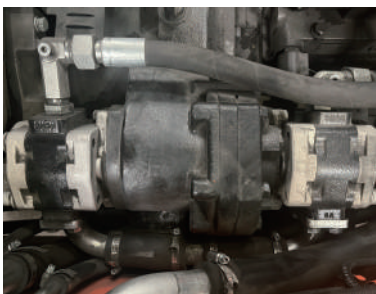
Upgraded drum brakes for improved safety and comfort.



Proven soft-link hydraulic transmission (Hydraulic Model) .



Snap-fit baseplate with tool-free removal.



Dual-pump hydraulic system for reduced fuel consumption (Hydraulic Model).



Electro-hydraulic directional switch & multifunction handle (Hydraulic Model) .



Air filter alarm for timely maintenance and engine protection.



Improved locking mechanism for easy adjustments.



Wider mast for better visibility.



Large LCD display with real-time vehicle status.



High-quality rear tires for extended service life.



Anti-slip pedals and ergonomic layout for comfort .



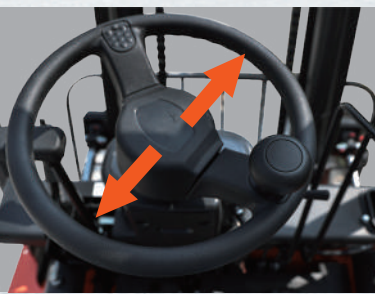
Full LED lighting for energy efficiency and longevity.



Larger grab handle for easier entry and exit .



Large aluminum radiator for enhanced cooling .



Small-diameter steering wheel for reduced operator effort.



High-position intake grille for optimized airflow.



Multiple low-emission engine options available.



Refined pedal layout for improved comfort (Hydraulic Model).



■ Wide-view mast	■ Standard forks	■ Standard load backrest	■ Standard overhead guard
■ Overhead guard rain cover	■ LCD instrument panel	■ Pneumatic tires	■ Tow Pin
■ Vehicle Tools	■ LED signal lights	■ Standard Seat	■ Multiway Valve for dual-function
■ Reversing buzzer	■ Hour meter	■ Adjustable tilting steering column	■ Left and Right Rearview Mirrors
■ Combined Instrument Panel	■ Torque Converter Oil Dipstick	■ Counterweight Protection Grid	■ Lockable fuel tank

■ Enclosed cabin	■ Heater	■ Air conditioning	■ Raised Overhead Guard
■ Windshield	■ Metal roof	■ Dual Air Filters	■ Solid tires
■ Dual tires	■ Electric Fan	■ Warning lights	■ Rear Work Light
■ Rearview camera, Reversing radar	■ Over-speed Alarm	■ Fire extinguisher	■ Widened Fork Carriage
■ High Exhaust	■ Steering Cylinder Protection	■ Tilt Cylinder Protection Boot	■ User-Specified Color
■ Rear Armrest Horn Button	■ Half-Enclosed Seat	■ Half-Enclosed Suspension Seat	■ Side shifter
■ Adjustable forks	■ Telematics		

The graph illustrates the relationship between Load Capacity (kg) and Load Center (mm) for three different load capacities: 5t, 4.5t, and 4t. The Y-axis represents Load Capacity in kg, ranging from 2500 to 5000. The X-axis represents Load Center in mm, ranging from 500 to 1000. The 5t capacity (red line) starts at 5000 kg at 500 mm and decreases linearly. The 4.5t capacity (green line) starts at 4500 kg at 500 mm and decreases linearly. The 4t capacity (blue line) starts at 4000 kg at 500 mm and decreases linearly, with a slight change in slope around 650 mm.

Load Center (mm)	5t Load Capacity (kg)	4.5t Load Capacity (kg)	4t Load Capacity (kg)
500	5000	4500	4000
600	4750	4250	3750
700	4500	4000	3500
800	4250	3750	3250
900	4000	3500	3000
1000	3750	3250	2750

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Parameter table				No.20250208						
Identification	1.1	Manufacturer(abbreviation)			NOBELIFT	NOBELIFT	NOBELIFT	NOBELIFT	NOBELIFT	NOBELIFT
	1.2	Manufacturer's type designation			CPCD(4)40-AQ2	CPCD(4)45-AQ2	CPCD(4)50-AQ2	CPCD40-A53	CPCD45-A53	CPCD50-A53
	1.3	Drive:electric (battery or mains),diesel,petrol gas,manual)			Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	1.4	Type of operation(hand,pedestrian,standing,seated,orden-pickler)			Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Load capacity/rated load	Q (kg)	4000	4500	5000	4000	4500	5000	
	1.6	Load centre distance	c (mm)	500	500	500	500	500	500	
	1.8	Load distance,centre of drive axle to fork	x (mm)	555	555	555	555	555	555	
	1.9	wheelbase	y (mm)	2100	2100	2100	2100	2100	2100	
	1.7	Service weight incl	kg	6350(6550)	6530(6750)	6800(7000)	6350(6550)	6530(6750)	6800(7000)	
Weights	2.2	Axle loading ,laden front/rear	kg	8850/1500	9700/1350	10500/1300	8850/1500	9700/1350	10500/1300	
	2.3	Axle loading,unladen front/rear	kg	2900/3450	2900/3650	2900/3900	2900/3450	2900/3650	2900/3900	
Wheels/Chassis	3.1	Type:solid rubber,superelastic,pneumatic,polyurethane			Pneumatic tire	Pneumatic tire	Pneumatic tire	Pneumatic tire	Pneumatic tire	Pneumatic tire
	3.2	Tyres size,front			8.25-15-14PR	300-15-18PR	300-15-18PR	8.25-15-14PR	300-15-14PR	300-15-14PR
	3.3	Tyres size,rear			7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.5	Wheels,number front/rear (X=driven wheels)			2X/2	2X/2	2X/2	2X/2	2X/2	2X/2
	3.6	Track width,front	b10 (mm)	1200	1200	1200	1200	1200	1200	
	3.7	Track width,rear	b11 (mm)	1210	1210	1210	1210	1210	1210	
	4.1	Mast,forward carriage tilt forward/backward		α(B)°	6/12	6/12	6/12	6/12	6/12	6/12
Basic Dimensions	4.2	lowered mast height		h1(mm)	2250	2250	2250	2250	2250	2250
	4.3	Free lift		h2(mm)	150	150	150	150	150	150
	4.4	Lift height		h3(mm)	3000	3000	3000	3000	3000	3000
	4.4.4	Lift height (Including cargo fork)		h23(mm)	3050	3050	3050	3050	3050	3050
	4.5	Extended mast height		h4(mm)	4300	4300	4300	4300	4300	4300
	4.7	Overhead load guardheight		h6(mm)	2250	2250	2250	2250	2250	2250
	4.8	Seat height,standing height		h7(mm)	1000	1000	1000	1000	1000	1000
	4.12	Seat height,standing height		h10(mm)	390	390	390	390	390	390
	4.19	Overall length (Including cargo fork)		l1(mm)	4305	4305	4305	4305	4305	4305
	4.20	Overall length		l2(mm)	3235	3235	3235	3235	3235	3235
	4.21	Overall width (Frame/tires)		b1(mm)	1480/1430	1480/1490	1480/1490	1480/1480	1480/1490	1480/1490
	4.22	Fork dimensions		s/e/l(mm)	1070/150/50	1070/150/50	1070/150/50	1070/150/50	1070/150/50	1070/150/50
	4.23	Fork mounting grade		3A	3A	3A	3A	3A	3A	3A
	4.24	Width of fork rack		b3 (mm)	1380	1380	1380	1380	1380	1380
	4.31	Ground clearance ,laden,under mast		m1(mm)	180	180	180	180	180	180
	4.32	Ground clearance,centre of wheelbase		m2(mm)	235	235	235	235	235	235
	4.34.1	Aisle width for pallets 1000×1200 crossways		As1(mm)	4685	4685	4685	4685	4685	4685
	4.34.2	Aisle width for pallets 800×1200 lengthways		As1(mm)	4885	4885	4885	4885	4885	4885
Performance Data	4.35	Turning radius		Wa (mm)	2930	2930	2930	2930	2930	2930
	4.36	Inside turning radius		b13(mm)	960	960	960	960	960	960
	5.1	Travel speed,laden/unladen,mechanical drive		km/h	/	/	/	/	/	/
	5.2	Travel speed,laden/unladen, hydrodynamic drive		km/h	24/25	24/25	24/25	21/22	21/22	21/22
	5.2	Lift speed,laden/unladen(Hydrodynamic) Two stage gantry		mm/s	/	/	/	/	/	/
	5.3	Lift speed,laden/unladen(Hydrodynamic) Two stage gantry		mm/s	530/560	530/560	530/560	450/500	450/500	450/500
	5.3	lowering speed,laden/unladen Two stage gantry		mm/s	400/430	400/430	400/430	410/430	400/430	400/430
	5.6	Max.Drawbar pull ,laden/unladen mechanical drive		kN	/	/	/	/	/	/
	5.6.4	Max.Drawbar pull ,laden/unladen hydrodynamic drive		kN	40/22	40/22	40/22	34/22	34/22	34/22
	5.7	Max.Gradient performance,laden/unladen S2 mechanical drive		%	/	/	/	/	/	/
Engine	5.7.4	Max.Gradient performance,laden/unladen S2 hydrodynamic drive		%	26/20	26/20	26/20	22/20	22/20	22/20
	5.10	Service brake			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	7.1	Engine power		kw	Quanchai V35-88C41 (China IV)	Quanchai V35-88C41 (China IV)	Quanchai V35-88C41 (China IV)	Mitsubishi S6S-G364CSFL (Euro IIIA)	Mitsubishi S6S-G364CSFL (Euro IIIA)	Mitsubishi S6S-G384CSFL (Euro IIIA)
	7.2	Engine building rating ISO1585		kw	65	65	65	52	52	52
	7.3	Rated speed		rpm	2200	2200	2200	2300	2300	2300
	7.4	Number of cylinders/displacement		c/m3	4/3470	4/3470	4/3470	6/4966	6/4966	6/4966
	7.5a	Maximum torque		N.m/rpm	350/1800	350/1800	350/1800	248/1700	248/1700	248/1700
	7.9	Nominal voltage		V	12	12	12	24	24	24
	7.10	Battery capacity		V/Ah	12/120	12/120	12/120	12/80	12/80	12/80
	Gearbox	8.1	Transmission type			Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic	Hydrodynamic
8.2		Gear forward/backward			2/1	2/1	2/1	2/1	2/1	2/1
8.3		Shifting mode			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Other Details	10.1	Operating pressure for attachments		Mpa	18.5	18.5	18.5	18.5	18.5	18.5
	10.2	Oil volume for attachments		L/min	60	60	60	60	60	60
	10.4	Fuel tank volume		L	90	90	90	90	90	90
	10.8	Traction pin specification DIN 15170			35	35	35	35	35	35

Parameter table			No.202508			
Identification	1.1	Manufacture(abbreviation)		NOBLELIFT	NOBLELIFT	NOBLELIFT
	1.2	Manufacturer's type designation		CPCD45-A08	CPCD45-A08	CPCD50-A08
	1.3	Drive(electric,battery or mains),diesel,petrol gas,manual)		Diesel	Diesel	Diesel
	1.4	Type of operation(hand,pedestrian,standing,seated,order-picker)		Seated	Seated	Seated
	1.5	Load capacity/rated load	Q(kg)	4000	4500	5000
	1.6	oad centre distance	c (mm)	500	500	500
	1.8	Load distance,centre of drive axle to fork	x (mm)	555	555	555
	1.9	wheelbase	y (mm)	2100	2100	2100
	Weights	2.1	Service weight incl	kg	6350(6550)	6550(6750)
2.2		Axle loading ,laden front/rear	kg	8850/1500	9700/1350	10500/1300
2.3		Axle loading,unladen front/rear	kg	2900/3450	2900/3650	2900/3900
Wheels,Chassis	3.1	Types/solid rubber,superelastic,pneumatic,polyurethane		Pneumatic tire	Pneumatic tire	Pneumatic tire
	3.2	Tyres size,front		8.25-15-14PR	300-15-18PR	300-15-18PR
	3.3	Tyres size,rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.5	Wheels, number front/rear(×=driven wheels)		2X/2	2X/2	2X/2
	3.6	Track width,front	b10 (mm)	1200	1200	1200
	3.7	Track width,rear	b11 (mm)	1210	1210	1210
	Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6/12	6/12
4.2		lowered mast height	h1(mm)	2250	2250	2250
4.3		Free lift	h2(mm)	150	150	150
4.4		Lift height	h3(mm)	3000	3000	3000
4.4a		Lift height (Including cargo fork)	h23(mm)	3050	3050	3050
4.5		Extended mast height	h4(mm)	4300	4300	4300
4.7		Overhead load guardheight	h6(mm)	2250	2250	2250
4.8		Seat height/standing height	h7(mm)	1000	1000	1000
4.12		Seat height/standing height	h10(mm)	390	390	390
4.19		Overall length (Including cargo fork)	l1(mm)	4305	4305	4305
4.20		Overall length	l2(mm)	3235	3235	3235
4.21		Overall width (Frame/tires)	b1(mm)	1480/1480	1480/1490	1480/1490
4.22		Fork dimensions	s/e/l(mm)	1070/150/50	1070/150/50	1070/150/50
4.23		Fork mounting grade		3A	3A	3A
4.24		Width of fork rack	b3 (mm)	1380	1380	1380
4.31		Ground clearance ,laden,under mast	m1(mm)	180	180	180
4.32		Ground clearance,centre of wheelbase	m2(mm)	235	235	235
4.34.1		Aisle width for pallets 1000×1200 crossways	Ast1(mm)	4685	4685	4685
4.34.2		Aisle width for pallets 800×1200 lengthways	Ast1(mm)	4885	4885	4885
4.35		Turning radius	Wa (mm)	2930	2930	2930
4.36	Inside turning radius	b13(mm)	960	960	960	
Performance Data	5.1	Travel speed ,laden/unladen,mechanical drive	km/h	/	/	/
	5.1	Travel speed ,laden/unladen, hydrodynamic drive	km/h	21/22	21/22	21/22
	5.2	Lift speed,laden/unladen(Hydrodynamic) Two stage gantry	mm/s	/	/	/
	5.2	Lift speed,laden/unladen(Hydrodynamic) Two stage gantry	mm/s	450/500	450/500	450/500
	5.3	owering speed,laden/unladen Two stage gantry	mm/s	410/430	400/430	400/430
	5.6	Max.Drawbar pull,laden/unladen mechanical drive	kN	/	/	/
	5.6a	Max.Drawbar pull,laden/unladen hydrodynamic drive	kN	35/22	35/22	35/22
	5.7	Max.Gradient performance,laden/unladen S2 mechanical drive	%	/	/	/
	5.7a	Max.Gradient performance,laden/unladen S2 hydrodynamic drive	%	22/20	22/20	22/20
	5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
Engine	7.1	Engine builder		Xinchai 4E30G52 (Euro V)	Xinchai 4E30G52 (Euro V)	Xinchai 4E30G52 (Euro V)
	7.2	Engine power rating ISO1585	kw	55.8	55.8	55.8
	7.3	Rated speed	rpm	2300	2300	2300
	7.4	Number of cylinders/displacement	cm3	4/2970	4/2970	4/2970
	7.5a	Maximum torque	N.m/rpm	320/1200-1600	320/1200-1600	320/1200-1600
	7.9	Nominal voltage	V	12	12	12
	7.10	Battery capacity	V/Ah	12/120	12/120	12/120
	Gearbox	8.1	Transmission type		Hydrodynamic	Hydrodynamic
8.2		Gear forward/backward		2/1	2/1	2/1
8.3		Shifting mode		Hydraulic	Hydraulic	Hydraulic
Other Details	10.1	Operating pressure for attachments	Mpa	18.5	18.5	18.5
	10.2	Oil volume for attachments	L/min	60	60	60
	10.4	Fuel tank volume	L	90	90	90
	10.8	Traction pin specification DIN 15170		35	35	35

Gantry type	Model	Maximum lifting height	Gantry height				Free lift height		Front overhang	Mast tilt angle	Payload capacity						
			Gantry protruding height		NO Load-backrest		NO Load-backrest	Load-backrest			500mm Load centre distance						
			Landing height of the gantry	Load-backrest		Single tire					Double tire						
				mm	mm	mm					mm	mm	mm	mm	mm	mm	mm
			mm	mm	mm	mm	mm	mm	mm	前/后	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	
			4.0t/4.5t/5.0t	4.0t/4.5t/5.0t	4.0t/4.5t/5.0t	4.0t/4.5t/5.0t	4.0t/4.5t/5.0t	4.0t/4.5t/5.0t	4.0t/4.5t/5.0t	(°)	kg	kg	kg	kg	kg	kg	
Secondary wide view gantry	A40/45/50/M210	2100	1800	3010	3340	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M250	2500	2000	3410	3740	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M260	2600	2050	3510	3840	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M270	2700	2100	3610	3940	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M290	2900	2200	3810	4140	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M300	3000	2250	3910	4240	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M330	3300	2400	4210	4540	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M350	3500	2500	4410	4740	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M370	3700	2600	4610	4940	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M375	3750	2625	4660	4990	150	150	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M400	4000	2800	5010	5340	150	150	555	6/6	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/M425	4250	2925	5260	5590	150	150	555	6/6	3800	4300	4700	4000	4500	5000	5000	
	A40/45/50/M450	4500	3050	5510	5840	150	150	555	6/6	3700	4200	4500	4000	4500	5000	5000	
	A40/45/50/M475	4750	3175	5760	6090	150	150	555	6/6	3500	4000	4250	4000	4200	4600	4600	
	A40/45/50/M480	4800	3200	5810	6140	150	150	555	6/6	3500	4000	4250	3700	4200	4600	4600	
	A40/45/50/M500	5000	3300	6010	6340	150	150	555	6/6	3200	3600	4000	3400	4000	4200	4200	
	A40/45/50/M550	5500	3550	6510	6840	150	150	555	6/6	2900	3200	3600	3200	3600	3800	3800	
	A40/45/50/M600	6000	3800	7010	7340	150	150	555	6/6	2600	3000	3300	2900	3200	3600	3600	
A40/45/50/M650	6500	4150	7710	8040	150	150	555	3/6	2300	2700	3000	2600	2900	3300	3300		
A40/45/50/M700	7000	4300	8010	8340	150	150	555	3/6	2000	2400	2700	2300	2600	3000	3000		
Two level full free lift gantry	A40/45/50/U230	2300	1900	3214	3544	1144	744	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/U243	2430	1965	3365	3695	1230	830	555	6/12	4000	4500	5000	4000	4500	5000	5000	
	A40/45/50/U250	2500	2000	3415	3745	1245	845	555	6/12	4000	4500	5000					

Model		CPC40/45/50	CPCD40/45/50	CPCD40/45/50
Configuration Number		AQ2	AQ2	AS3
Number of Gear Shifts (Forward/Reverse)		Dual-Shift Lever (2/2)	Electro-Hydraulic Directional Switch (2/1)	
Maximum Travel Speed (Fully Loaded/Unloaded)	km/h	18/19	24/25	21/22
Lifting Speed (Fully Loaded/Unloaded)	mm/s	500/530	530/560	450/500
Lowering Speed (Fully Loaded/Unloaded)	mm/s	400/430		400/430
Maximum Traction Force	kN	32/20	40/22	34/22
Maximum Climbing Ability	%	22/20	26/20	22/20