

Cloud Intelligence Forklift Management System

Cloud intelligent forklift management system is an advanced application of Internet of Things and Internet technology, achieve vehicle data collection, vehicle alarm, vehicle remote control and diagnosis, vehicle scheduling, logistics tracking and other functions, which help users to carry out vehicle management, intelligent scheduling and logistics control, improve enterprise equipment management and logistics management level, forklift cloud intelligent terminal can seamlessly dock cloud Intelligence forklift management system.



KSS Trillion Group Co.,Ltd

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SAFETY COMFORT HIGH EFFICIENT

Maxup



S SERIES INTERNAL COMBUSTION

2-3.5t BALANCE FORKLIFT

KSS Trillion Group



Suspended Cabin

Optimized design of the intake and exhaust system, low intake window and closed foot plate, which reduce the driver's ear noise by 3dB.



Comfortable Driving Space

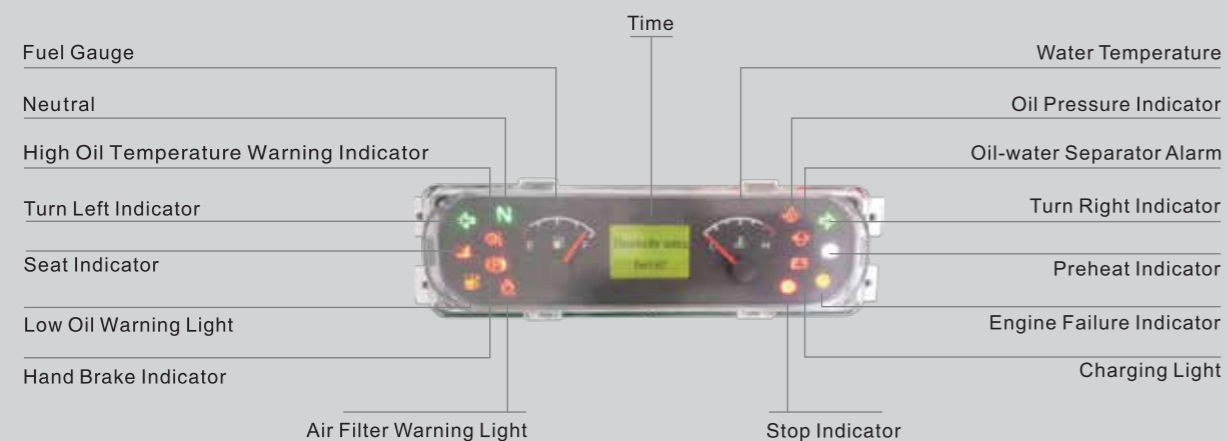
Large operating space, superior ergonomic design, comfortable operation, convenient and efficient.



More open reversing view

The forklift equied with exhaust flame arrestor and mars eliminator system, which ensures the safety operation in dangerous environment.

Intelligent LCD Instrument



Reliable Lifting System

Wide view mast design, ensure the driver has an excellent view, which makes loading and unloading operations more secure and efficient.



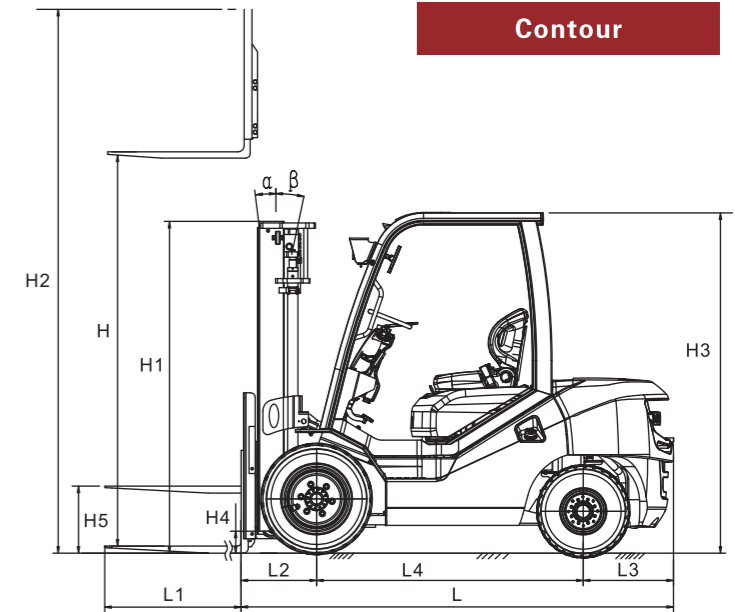
Variety Of Options

KSS TRILLION provide different engines for options.



2-3.5t Diesel Forklift Technical Specification

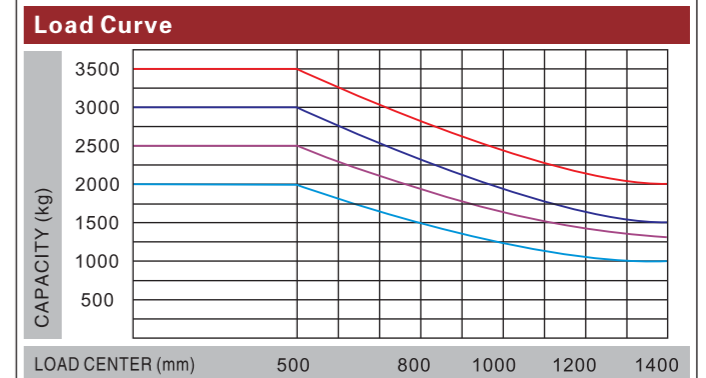
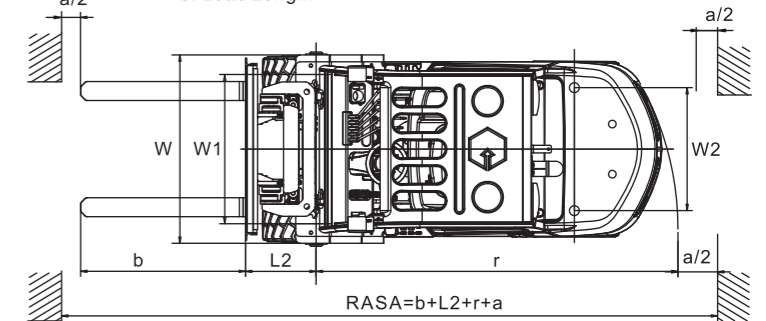
Characteristic		MUFD20S	MUFD25S	MUFD30S	MUFD35S
1.01	Model	MUFD20S	MUFD25S	MUFD30S	MUFD35S
1.02	Power Type	Diesel	Diesel	Diesel	Diesel
1.03	Rated Capacity	2000	2500	3000	3500
1.04	Load Centre	500	500	500	500
1.05	Service weight	3540	3740	4250	4450
Tyre & Chassis					
2.01	Tyre Type (Front/Rear)	Pneumatic Tyre	Pneumatic Tyre	Pneumatic Tyre	Pneumatic Tyre
2.02	Wheel number X = drive wheel (Front/Rear)	2X/2	2X/2	2X/2	2X/2
2.03	Tyre Size (Front)	7.00-12-12PR	7.00-12-12PR	28×9-15-14PR	28×9-15-14PR
2.04	Tyre Size (Rear)	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
2.05	Front Tread	W1	970	970	1000
2.06	Rear Tread	W2	970	970	970
2.07	Wheelbase	L4	1600	1600	1700
Size					
3.01	Fork Size (L×W×T)	L1	1070×120×40	1070×120×40	1070×125×45
3.02	Mast Tilt Angle (F/R)	α/β	6/12	6/12	6/12
3.03	Lift Height	H	3000	3000	3000
3.04	Mast Lowered Height	H1	2055	2055	2115
3.05	Free Lift Height	H5	120	120	125
3.06	Mast Extended Height	H2	4075	4075	4180
3.07	Length to Face of Fork	L	2595	2595	2775
3.08	Overall Width	W	1150	1150	1225
3.09	Overhead Guard Height	H3	2130	2130	2150
3.10	Front Overhang	L2	465	465	480
3.11	Rear Overhang	L3	530	530	590
3.12	Turning Radius (outside)	r	2290	2290	2420
3.13	Ground Clearance (Bottom of mast)	H4	110	110	140
3.14	Min.intersecting aisle	Ra	2380	2380	2530
3.15	Min.right angle stacking aisle width	RASA	3975	3975	4110
Performance					
4.01	Max.Travel Speed (Full load/No load)	km/h	18/19	18/19	19/20
4.02	Lifting Speed (Full load/No load)	mm/s	530/570	530/570	510/550
4.03	Lowering Speed (Full load/No load)	mm/s	≤600 / ≥300	≤600 / ≥300	≤600 / ≥300
4.04	Max.Gradeability (Full load)	%	20	20	20
Power & Transmissions					
5.01	Engine Model	Xinchai 4D29V41	Xinchai 4D29V41	Xinchai 4D29V41	Xinchai 4D29V41
5.02	Rated output/r.p.m	kw/rpm	36.8/2500	36.8/2500	36.8/2500
5.03	Rated torque/r.p.m	Nm/rpm	165/1600-1800	165/1600-1800	165/1600-1800
5.04	No.of Cylinder		4	4	4
5.05	Bore × Stroke	mm	93 × 105	93 × 105	93 × 105
5.06	Displacement	L	2.85	2.85	2.85
5.07	Emission Standards		China IV	China IV	China IV
5.08	Fuel Tank Capacity	L	60	60	60
5.09	Battery (Voltage/Capacity)	V/Ah	12/80	12/80	12/80
5.10	Transmission Type		Hydraulic	Hydraulic	Hydraulic
5.11	Stage FWD/RVS		1/1 Power Shift	1/1 Power Shift	1/1 Power Shift
5.12	Operating Pressure	Mpa	18	18	18



RASA: Right-Angle Stack Aisle

a: Safety Clearance

b: Load Length



■ FD20S ■ FD25S
■ FD30S ■ FD35S

Note:
Capacities shown are computed with upright in vertical position.Based on a 1000 mm cube load configuration with the center of gravity at the true center of the cube and standard forks.Truck capacities with upright in forward tilt position will be less.Long forks and unusually wide or loads may also reduce capacity.

ACCESSORY

Engine Model and Main Specification for Option

Engine Model(Domestic)	Power Method	Rated Power/Speed (kW/rpm)	Max Torque/Speed (Nm/rpm)	No. of Cylinders	Bore x times Stroke (mm)	Displacement (L)	Emission Standard	Transmission Type	Applicable Vehicle Models
Xinchai 4D29X41	Diesel	36.8/2500	190/1600-1800	4	93 x 105	2.85	China IV	Mechanical	2-3.5 t
Xinchai 4D32V41	Diesel	36.8/2500	186/1600-1800	4	98 x 105	3.167	China IV	Mechanical	2-3.5 t
Xinchai 4D30X41	Diesel	36.8/2500	210/1400-1600	4	98 x 105	3.167	China IV	Mechanical	2-3.5 t
Xinchai 3E22YG51	Diesel	44.8/2400	210/1600-1800	3	94 x 107	2.23	Euro V	Mechanical	2-3.5 t
GQ491GP(GQ-4Y)-LPG/GAS		46/2800	168/1800	4	91 x 86	2.237	-	Mechanical	2-3.5 t

Engine Model(Domestic)	Power Method	Rated Power/Speed (kW/rpm)	Max Torque/Speed (Nm/rpm)	No. of Cylinders	Bore x times Stroke (mm)	Displacement (L)	Emission Standard	Transmission Type	Applicable Vehicle Models
Isuzu C240NKFC-01	Diesel	35.4/2500	137.7/1800	4	86 x 102	2.369	Euro IIIA	Mechanical	2-3.5 t
Mitsubishi S4S-474	Diesel	35.3/2250	177/1700	4	94 x 120	3.331	Euro IIIA	Hydraulic	2-3.5 t
NISSAN GK25	Gasoline /LPG	37.4/2100	176.5/1600	4	89 x 100	2.488	-	Mechanical	2-3.5 t
Yanmar 4TNV94L-BXPHZ	Diesel	35.5/2400	191.5-208.5/1500	4	94 x 110	3.054	Euro IIIA	Hydraulic	2-3.5 t
Yanmar 4TNE98-BQFLC	Diesel	43/2300	177.6-196.3/1700	4	98 x 110	3.318	Euro IIIA	Hydraulic	2-3.5 t
PSI (Power Solutions International)2.4L	Gasoline /LPG	48/2700	170/2400	4	86.5 x 100	2.351	EPA T4F	Hydraulic	2-3.5 t
Mitsubishi	Diesel	36/2250	177/1800	4	94 x 120	3.331	EPA T4F	Hydraulic	2-3.5 t
Doosan DM02	Diesel	48.2/2600	214/1600	4	90 x 94	2.392	Euro V /EPA T4F	Hydraulic	2-3.5 t

Standard Configuration

Full Hydraulic Power Steering	Full Suspension and Raised Overhead Guard	Onboard Tool Box	Two-Stage Wide-View Mast	Engine Oil Pressure Alarm	Cup Holder	Reversing Beeper (Backup Alarm)
Neutral Safety Switch	Standard Fork	Cable-Type Handbrake	Electric Horn	Two-Section Multi-Way Valve	Tilt Cylinder Self-Locking Valve	Extended Entry Handrail
Sliding Safety Belt Seat	Integrated Electrical Box	Anti-slip Step (for entry/exit)	LED Working Lights	Rear Grab Handle with Horn Button	Hour Meter	Oil-Water Separator
Dual-Core Air Filter	Lift and Tilt Control Levers	Standard Load Backrest	Load Sensing Safety Valve	Engine Malfunction Indicator	Hydraulic Oil Dipstick	Left and Right Rearview Mirrors
Document Holder	Towing Pin / Clevis Pin	High-Performance Tires	Oil Filter (for Hydraulic Transmission)	Lifting Circuit Speed Limiting Valve	Adjustable Steering Wheel Device	Combined LCD Instrument Cluster
Water Temperature Gauge	Fuel Gauge					

Alternative Equipment

Full Suspension Seat	Dual Front Drive Wheels	Emergency Disconnect Switch	Enclosed Cab
Cab with Heater	Cab with Air Conditioner (A/C)	High-Level Exhaust System	Mid-Level Exhaust System
Exhaust Purifier / Catalytic Converter	High/Low Overhead Guard	Front and Rear Windshield	Solid Tires / Cushion Tires
Dual Air Cleaner	Engine Fan Guard	3-Way, 4-Way, or 5-Way Multi-Valve	Operator Presence Sensing System
Spark Arrestor / Exhaust Fire Protection	Fire Extinguisher	Lockable Fuel Cap	Warning Light / Strobe Light
User-Specified Color / Custom Paint			

Alternative Attachment

Paper Roll Clamp	Side Shifter	Rotating Clamp	Rotating Forks
Load Stabilizer	Fork Sleeves / Fork Extensions	Multi-Purpose Barrel Clamp	Fork Clamp
Soft Package Clamp	Carton Clamp	Oil Drum Clamp	Push /Pull Attachment
Tilting Fork / Dumping Fork	Bucket	Crane Jib / Lifting Jib	Side Shifting Fork Positioner
Drum Spike / Carpet Boom	Single-Double Pallet Handler	Weighing System	Rotator
Brick Clamp	Foam/Rubber Clamp	Tire Clamp	

Special Options for Mast

Two-Stage Full Free Mast	Three-Stage Full Free Mast	Wider Fork Carriage	Extra High Front Carriage	Extended Length Forks	Cast Forks	Four-Stage Full Free Mast
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MAST

2-3.5t Wide View Mast

Mast Type	Lift Height (mm)	Load Capacity (Load Center at 500mm) (kg)				Non-Lifting Height (mm)			Maximum Lift Height (with Load Backrest) (mm)		Mast Tilt Angle (Forward /Backward)
		MUFD20S	MUFD25S	MUFD30S	MUFD35S	2-2.5t	3t	3.5t	2-2.5t	3-3.5t	
M200	2000	2000	2500	3000	3500	1555	1615	1650	3075	3180	6°/12°
M250	2500	2000	2500	3000	3500	1805	1865	1900	3575	3680	6°/12°
M300	3000	2000	2500	3000	3500	2055	2115	2150	4075	4180	6°/12°
M330	3300	2000	2500	3000	3500	2205	2265	2300	4375	4480	6°/12°
M350	3500	2000	2500	3000	3500	2305	2365	2400	4575	4680	6°/12°
M370	3700	2000	2500	3000	3500	2405	2465	2500	4775	4880	6°/12°
M400	4000	2000	2500	2950 *3000	3200 *3500	2605	2665	2700	5075	5180	6°/12°
M450	4500	1800 *1900	2200 *2400	2750 *3000	3000 *3200	2855	2915	2950	5575	5680	6°/6°
M500	5000	1500 *1700	1700 *2200	2400 *2550	2500 *2850	3105	3165	3200	6075	6180	6°/6°
M550	5500	1100 *1600	1500 *1950	2250 *2400	2300 *2500	3405	3465	3500	6575	6680	3°/6°
M600	6000	700 *1500	1000 *1800	1500 *2200	1800 *2300	3655	3715	3750	7075	7180	3°/6°

Note:

(1) Indicates the load capacity when the front wheels are dual tires.

(2) 2-2.5t Maximum Lift Height (without Load Backrest): -355mm 3t Maximum Lift Height (without Load Backrest): -400mm 3.5t Maximum Lift Height (without Load Backrest): -365mm

2-3.5t Wide View Full Free 2-Stage Mast

Mast Type	Lift Height (mm)	Load Capacity (Load Center at 500mm) (kg)				Non-Lifting Height (mm)			Maximum Lift Height (with Load Backrest) (mm)		Free Lift Height (with Load Backrest) (mm)		Mast Tilt Angle (Forward /Backward)
		MUFD20S	MUFD25S	MUFD30S	MUFD35S	2-2.5t	3t	3.5t	2-2.5t	3-3.5t	2-2.5t	3-3.5t	
Z200	2000	2000	2500	3000	3500	1555	1615	1650	3075	3180	510	470	6°/12°
Z250	2500	2000	2500	3000	3500	1805	1865	1900	3575	3680	760	720	6°/12°
Z300	3000	2000	2500	3000	3500	2055	2115	2150	4075	4180	1010	970	6°/12°
Z330	3300	2000	2500	3000	3500	2205	2265	2300	4375	4480	1160	1120	6°/12°
Z350	3500	2000	2500	3000	3500	2305	2365	2400	4575	4680	1260	1220	6°/12°
Z370	3700	2000	2500	3000	3500	2405	2465	2500	4775	4880	1360	1320	6°/12°
Z400	4000	2000	2500	2900 *3000	3300 *3500	2605	2665	2700	5075	5180	1560	1520	6°/12°

Note:

(1) Indicates the load capacity when the front wheels are dual tires.

(2) 2-2.5t Maximum Lift Height (without Load Backrest): -355mm 3t Maximum Lift Height (without Load Backrest): -400mm 3.5t Maximum Lift Height (without Load Backrest): -365mm

(3) 2-2.5t Free Lift Height (without Load Backrest): +355mm 3t Free Lift Height (without Load Backrest): +400mm 3.5t Free Lift Height (without Load Backrest): +365mm

2-3.5t Wide View Full Free 3-Stage Mast

Mast Type	Lift Height (mm)	Load Capacity (Load Center at 500mm) (kg)				Non-Lifting Height (mm)			Maximum Lift Height (with Load Backrest) (mm)		Free Lift Height (with Load Backrest) (mm)			Mast Tilt Angle (Forward /Backward)
		MUFD20S	MUFD25S	MUFD30S	MUFD35S	2-2.5t	3t	3.5t	2-2.5t	3-3.5t	2-2.5t	3t	3.5t	
S370	3700	2000	2400	2900	3300	1790	1870	1905	4770	4875	745	725	765	6°/6°
S400	4000	1900	2400	2900	3200	1890	1970	2005	5070	5175	845	825	865	6°/6°
S435	4350	1850 *1900	2200 *2400	2800 *2900	3000 *3300	2005	2085	2120	5420	5525	960	940	980	6°/6°
S450	4500	1750 *1800	2150 *2300	2700 *2800	2900 *3100	2055	2135	2170	5570	5675	1010	990	1030	6°/6°
S480	4800	1700 *1800	1950 *2300	2500 *2800	2700 *3000	2155	2235	2270	5870	5975	1110	1090	1130	6°/6°
S500	5000	1500 *1700	1650 *2200	2300 *2550	2450 *2800	2225	2305	2340	6070	6175	1180	1160	1200	6°/6°
S550	5500	1000 *1600	1400 *1900	2000 *2400	2250 *2500	2440	2520	2555	6570	6675	1400	1375	1415	3°/6°
S600	6000	650 *1300	1000 *1600	1500 *2100	1550 *2200	2605	2685	2720	7070	7175	1570	1540	1580	3°/6°

Note:

(1) Indicates the load capacity when the front wheels are dual tires.

(2) 2-2.5t Maximum Lift Height (without Load Backrest): -355mm 3t Maximum Lift Height (without Load Backrest): -400mm 3.5t Maximum Lift Height (without Load Backrest): -365mm

(3) 2-2.5t Free Lift Height (without Load Backrest): +355mm 3t Free Lift Height (without Load Backrest): +400mm 3.5t Free Lift Height (without Load Backrest): +365mm