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HIGH EFFICIENT ECO-FRIENDLY

1.5-3.5t INTERNAL COMBUSTION
BALANCE FORKLIFT

KSS Trillion Group



Reliable Lifting System

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



High Performance Hydraulic System

Load sensing priority steering hydraulic system design, flexible steering, mast lift speed increased by 20%;



Comfortable Driving Space

All accessories like engine, gear box are support by domestic and world famous brand, high quality, reliable after-sales.

Intelligent LCD Instrument



High Strength Overhead Guard

The overhead guard adopts the high strength steel sheet to press molding, providing more sophisticated security for the driver, it can also prevent wind and rain.



Variety Of Options

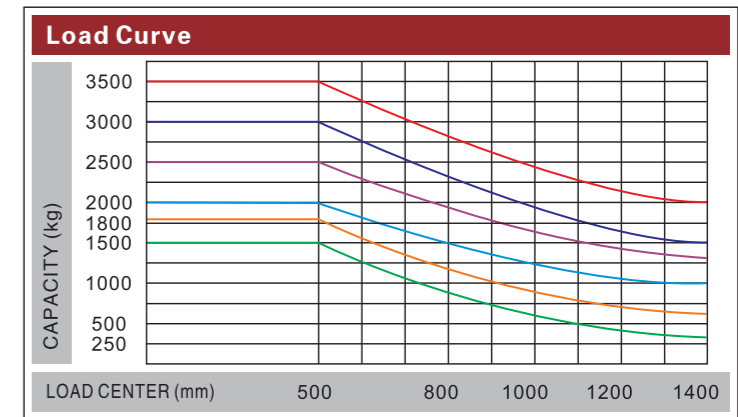
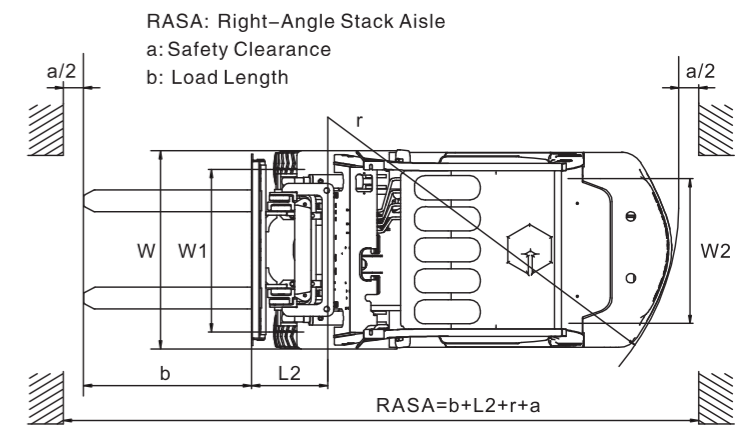
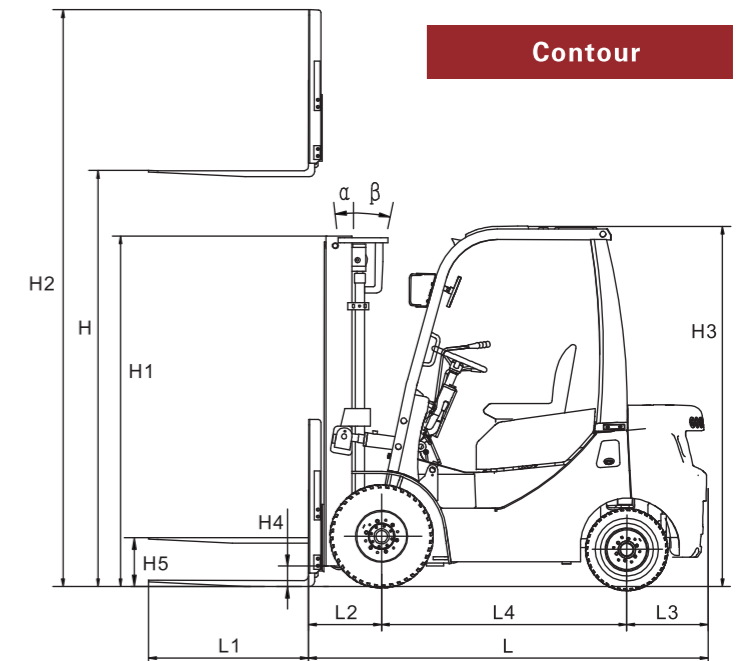
Different Power Engines.



PARAMETER

1.5-3.5t Diesel Forklift Technical Specification

Characteristic			MUFD15G	MUFD18G	MUFD20G	MUFD25G	MUFD30G	MUFD35G
1.01	Model		MUFD15G	MUFD18G	MUFD20G	MUFD25G	MUFD30G	MUFD35G
1.02	Power Type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
1.03	Rated Capacity	kg	1500	1800	2000	2500	3000	3500
1.04	Load Centre	mm	500	500	500	500	500	500
1.05	Service weight	kg	2820	3030	3590	3790	4300	4500
Tyre & Chassis								
2.01	Tyre Type (Front/Rear)		Pneumatic Tyre	Pneumatic Tyre	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	2X/2	2X/2
2.03	Tyre Size (Front)		6.50-10-12PR	6.50-10-12PR	7.00-12-12PR	7.00-12-12PR	28×9-15-12PR	28×9-15-12PR
2.04	Tyre Size (Rear)		5.00-8-10PR	5.00-8-10PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
2.05	Front Tread	W1 mm	890	890	970	970	1000	1000
2.06	Rear Tread	W2 mm	920	920	970	970	970	970
2.07	Wheelbase	L4 mm	1400	1400	1600	1600	1700	1700
Size								
3.01	Fork Size (L×W×T)	L1 mm	920×120×35	920×120×35	1070×120×40	1070×120×40	1070×125×45	1070×125×50
3.02	Mast Tilt Angle (F/R)	α/β deg	6/12	6/12	6/12	6/12	6/12	6/12
3.03	Lift Height	H mm	3000	3000	3000	3000	3000	3000
3.04	Mast Lowered Height	H1 mm	1995	1995	2055	2055	2115	2115
3.05	Free Lift Height	H5 mm	105	105	120	120	125	90
3.06	Mast Extended Height	H2 mm	3940	3940	4075	4075	4180	4180
3.07	Length to Face of Fork	L mm	2285	2285	2595	2595	2730	2775
3.08	Overall Width	W mm	1086	1086	1150	1150	1225	1225
3.09	Overhead Guard Height	H3 mm	2120	2120	2150	2150	2170	2170
3.10	Front Overhang	L2 mm	420	420	465	465	480	505
3.11	Rear Overhang	L3 mm	475	475	530	530	550	590
3.12	Turning Radius (outside)	r mm	2055	2055	2310	2310	2440	2480
3.13	Ground Clearance (Bottom of mast)	H4 mm	110	110	110	110	140	140
3.14	Min. intersecting aisle	Ra mm	2150	2150	2380	2380	2490	2530
3.15	Min. right angle stacking aisle width	RASA mm	3675	3675	3980	3980	4115	4160
Performance								
4.01	Max. Travel Speed (Full load/No load)	km/h	14.5/15	14.5/15	18/19	18/19	19/20	19/20
4.02	Lifting Speed (Full load/No load)	mm/s	450/500	440/500	530/570	530/570	510/550	440/480
4.03	Lowering Speed (Full load/No load)	mm/s	≤600 / ≥300	≤600 / ≥300	≤600 / ≥300	≤600 / ≥300	≤600 / ≥300	≤600 / ≥300
4.04	Max. Gradeability (Full load)	%	20	20	20	20	20	20
Power & Transmissions								
5.01	Engine Model		Xinchai 4N27V41	Xinchai 4N27V41	Xinchai 4D29V41	Xinchai 4D29V41	Xinchai 4D29V41	Xinchai 4D29V41
5.02	Rated output/r.p.m	kw/rpm	33.8/2400	33.8/2400	36.8/2500	36.8/2500	36.8/2500	36.8/2500
5.03	Rated torque/r.p.m	Nm/rpm	165/1500-1700	165/1500-1700	165/1600-1800	165/1600-1800	165/1600-1800	165/1600-1800
5.04	No. of Cylinder		4	4	4	4	4	4
5.05	Bore × Stroke	mm	90 × 105	90 × 105	93 × 105	93 × 105	93 × 105	93 × 105
5.06	Displacement	L	2.67	2.67	2.85	2.85	2.85	2.85
5.07	Emission Standards		China IV	China IV	China IV	China IV	China IV	China IV
5.08	Fuel Tank Capacity	L	45	45	60	60	60	60
5.09	Battery (Voltage/Capacity)	V/Ah	12/80	12/80	12/80	12/80	12/80	12/80
5.10	Operating Pressure	Mpa	14.5	14.5	18	18	18	18
5.11	Transmission Type		Mechanical / Hydraulic	Mechanical / Hydraulic	Mechanical / Hydraulic	Mechanical / Hydraulic	Mechanical / Hydraulic	Mechanical / Hydraulic
5.12	Stage FWD/RVS		2/2 Manual Gear Shifting + 1/1 Power Shift	2/2 Manual Gear Shifting + 1/1 Power Shift	2/2 Manual Gear Shifting + 1/1 Power Shift	2/2 Manual Gear Shifting + 1/1 Power Shift	2/2 Manual Gear Shifting + 1/1 Power Shift	2/2 Manual Gear Shifting + 1/1 Power Shift



■ FD15G ■ FD18G ■ FD20G
■ FD25G ■ FD30G ■ FD35G

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	2-3.5t
Xinchai 4D32V41	Diesel	36.8/2500	186/1600-1800	4	98 x 105	3.167	China IV	Mechanical	2-3.5t
Xinchai 4D30X41	Diesel	36.8/2500	210/1400-1600	4	98 x 105	3.167	China IV	Mechanical	2-3.5t
Xinchai 3E22YG51	Diesel	44.8/2400	210/1600-1800	3	94 x 107	2.23	Euro V	Hydraulic	2-3.5t
GQ491GP(GQ-4Y)-LPG/GAS	Gasoline /LPG	46/2800	168/1800	4	91 x 86	2.237	-	Hydraulic	2-3.5t
Engine Model (Domestic)	Power Method	Power Method	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	1-3.5t
Mitsubishi S4S-474	Diesel	35.3/2250	177/1700	4	94 x 120	3.331	Euro IIIA	Hydraulic	2-3.5t
NISSAN GK25	Gasoline /LPG	37.4/2100	176.5/1600	4	89 x 100	2.488	-	Mechanical	1-3.5t
Yanmar 4TNV94L-BXPHZ	Diesel	35.5/2400	191.5-208.5/1500	4	94 x 110	3.054	Euro IIIA	Hydraulic	2-3.5t
Yanmar 4TNE98-BQFLC	Diesel	43/2300	177.6-196.3/1700	4	98 x 110	3.318	Euro IIIA	Hydraulic	2-3.5t
PSI (Power Solutions International)2.4L	Gasoline /LPG	48/2700	170/2400	4	86.5 x 100	2.351	EPA T4F	Hydraulic	1-3.5t
Mitsubishi D04EG	Diesel	36/2250	177/1800	4	94 x 120	3.331	EPA T4F	Hydraulic	2-3.5t

Standard Configuration

Full Hydraulic Power Steering	High-Mounted Air Intake Device	Onboard Tool Box	Two-Stage Wide-View Mast	Engine Oil Pressure Alarm	Cup Holder	Reverse Buzzer
Neutral Safety Switch	Standard Fork	Cable-Type Handbrake	Electric Horn	Standard Overhead Guard	Tilt Cylinder Self-Locking Valve	Assist Grip (Handrail)
Seat with Safety Belt	Integrated Electrical Box	Anti-Slip Step Plate	Rear Combination Lamp	High-Performance Tires	Hour Meter	Oil-Water Separator
Air Filter	Lift and Tilt Control Levers	Standard Load Backrest	Load Safety Valve	Engine Fault Indication	Hydraulic Oil Dipstick	Left and Right Rearview Mirrors
Fuel Gauge	Tow Hook	Document Clip/Holder	Oil Filter (for Hydraulic Transmission)	Lifting Circuit Speed Limiting Valve	Adjustable Steering Wheel Device	Combined LCD Instrument Panel
Water Temperature Gauge	Two-Piece Multi-Way Valve					

Alternative Equipment

Full Suspension Seat	Rear Armrest with Horn Button	Emergency Power Disconnect Switch	Enclosed Cab
Cab with Heater	Exhaust Purification Device	High Position Exhaust Device	Engine Fan Guard Net
Lockable Fuel Cap	High/Low Overhead Guard	Front and Rear Windshield	Solid Tires
Dual Air Cleaner	LED Front/Rear Work Light	Counterweight Guard Net	Seat Sensing System
Exhaust Fire Prevention Device	Fire Extinguisher	Three/Four/Five-Piece Multi-Way Valve	Warning Light
User-Specified Color	*Front Dual Drive Wheels	*Cab with Air Conditioning	*Mid-Position Exhaust

Note: *Indicates this optional component is only suitable for 2-3.5t (2-3.5 tons).

Alternative Attachment

Paper Roll Clamp	Side Shifter	Rotating Bale Clamp	Rotating Forks
Load Stabilizer	Fork Sleeves / Fork Extensions	Multi-purpose Drum Clamp	Fork Clamp
Soft Bale Clamp	Carton Clamp	Oil Drum Clamp	Push/Pull
Tilting Forks	Bucket / Scoop	Lifting Jib / Boom	Side Shifting Fork Positioner
Ram / Coil Ram	Single /Double Pallet Forks	Weighing System	Rotator
Brick Clamp	Sponge 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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Note: *Indicates this optional component is only suitable for 2-3.5t

MAST

1.5-3.5t 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)
		MUFD15G	MUFD18G	MUFD20G	MUFD25G	MUFD30G	MUFD35G	1.5-1.8t	2-2.5t	3t	3.5t	1.5-1.8t	2-2.5t	3-3.5t	
M200	2000	1500	1800	2000	2500	3000	3500	1495	1555	1615	1650	2940	3075	3180	6°/12°
M250	2500	1500	1800	2000	2500	3000	3500	1745	1805	1865	1900	3440	3575	3680	6°/12°
M300	3000	1500	1800	2000	2500	3000	3500	1995	2055	2115	2150	3940	4075	4180	6°/12°
M330	3300	1500	1800	2000	2500	3000	3500	2145	2205	2265	2300	4240	4375	4480	6°/12°
M350	3500	1500	1800	2000	2500	3000	3500	2245	2305	2365	2400	4440	4575	4680	6°/12°
M370	3700	1500	1800	2000	2500	3000	3500	2345	2405	2465	2500	4640	4775	4880	6°/12°
M400	4000	1500	1600*1800	2000	2500	2950*3000	3200*3500	2545	2605	2665	2700	4940	5075	5180	6°/12°
M450	4500	1300*1400	1350*1600	1800*1900	2200*2400	2750*3000	3000*3200	2795	2855	2915	2950	5440	5575	5680	6°/6°
M500	5000	1000*1300	1150*1500	1500*1700	1700*2200	2400*2550	2500*2850	3045	3105	3165	3200	5940	6075	6180	6°/6°
M550	5500	800*1100	850*1400	1100*1600	1500*1950	2250*2400	2300*2500	3345	3405	3465	3500	6440	6575	6680	3°/6°
M600	6000	550*1000	600*1150	700*1500	1000*1800	1500*2200	1800*2300	3595	3655	3715	3750	6940	7075	7180	3°/6°

Note:

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

(2) 1.5-1.8t Maximum Lift Height (without Load Backrest): -370mm 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

1.5-3.5t 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)
		MUFD15G	MUFD18G	MUFD20G	MUFD25G	MUFD30G	MUFD35G	1.5-1.8t	2-2.5t	3t	3.5t	1.5-1.8t	2-2.5t	3-3.5t	1.5-1.8t	2-2.5t	3-3.5t	
Z200	2000	1500	1800	2000	2500	3000	3500	1495	1555	1615	1650	2940	3075	3180	585	510	470	6°/12°
Z250	2500	1500	1800	2000	2500	3000	3500	1745	1805	1865	1900	3440	3575	3680	835	760	720	6°/12°
Z300	3000	1500	1800	2000	2500	3000	3500	1995	2055	2115	2150	3940	4075	4180	1085	1010	970	6°/12°
Z330	3300	1500	1800	2000	2500	3000	3500	2145	2205	2265	2300	4240	4375	4480	1235	1160	1120	6°/12°
Z350	3500	1500	1800	2000	2500	3000	3500	2245	2305	2365	2400	4440	4575	4680	1335	1260	1220	6°/12°
Z370	3700	1500	1800	2000	2500	3000	3500	2345	2405	2465	2500	4640	4775	4880	1435	1360	1320	6°/12°
Z400	4000	1400*1500	1600*1800	2000	2500	2900*3000	3300*3500	2545	2605	2665	2700	4940	5075	5180	1635	1560	1520	6°/12°

Note:

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

(2) 1.5-1.8t Maximum Lift Height (without Load Backrest): -370mm 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) 1.5-1.8t Free Lift Height (without Load Backrest): +370mm 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

1.5-3.5t 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)	
		MUFD15G	MUFD18G	MUFD20G	MUFD25G	MUFD30G	MUFD35G	1.5-1.8t	2-2.5t	3t	3.5t	1.5-1.8t	2-2.5t	3-3.5t	1.5-1.8t	2-2.5t	3t		3.5t
S370	3700	1500	1800	2000	2400	2900	3300	1770	1790	1870	1905	4635	4770	4875	860	745	725	765	6°/6°
S400	4000	1500	1700	1900	2400	2900	3200	1870	1890	1970	2005	4935	5070	5175	960	845	825	865	6°/6°
S435	4350	1300*1400	1600*1700	1850*1900	2200*2400	2800*2900	3000*3300	1995	2005	2085	2120	5285	5420	5525	1085	960	940	980	6°/6°
S450	4500	1300*1350	1500*1650	1750*1800	2150*2300	2700*2800	2900*3100	2045	2055	2135	2170	5435	5570	5675	1135	1010	990	1030	6°/6°
S480	4800	1200*1320	1400*1550	1700*1800	1950*2300	2500*2800	2700*3000	2145	2155	2235	2270	5735	5870	5975	1235	1110	1090	1130	6°/6°
S500	5000	1000*1300	1100*1500	1500*1700	1650*2200	2300*2550	2450*2800	2245	2225	2305	2340	5935	6070	6175	1335	1180	1160	1200	6°/6°
S550	5500	800*1150	800*1400	1000*1600	1400*1900	2000*2400	2250*2500	2410	2440	2520	2555	6435	6570	6675	1500	1400	1375	1415	3°/6°
S600	6000	500*1000	500*1100	650*1300	1000*1600	1500*2100	1550*2200	2595	2605	2685	2720	6935	7070	7175	1685	1570	1540	1580	3°/6°

Note:

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

(2) 1.5-1.8t Maximum Lift Height (without Load Backrest): -370mm 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) 1.5-1.8t Free Lift Height (without Load Backrest): +370mm 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