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Tuboshu delivers innovative, sustainable engineering built for Africa. Backed by decades of expertise, we design adaptive, high-performance solutions that solve real operational challenges. Our commitment to quality drives every project, supported by a trusted network for maintenance, technical assistance, and ongoing after-sales service.

Elevate Your Power



TUBOSHU

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Certain specification(s) are based on engineering calculations and are not actual measurements. Specification(s) are provided for comparison purposes only and are subject to change without notice. Specification(s) for your individual Tuboshu equipment will vary based on normal variations in design, manufacturing, operating conditions, and other factors. Pictures of Develon units may show other than standard equipment.



DIESEL FORKLIFT
TF40-50

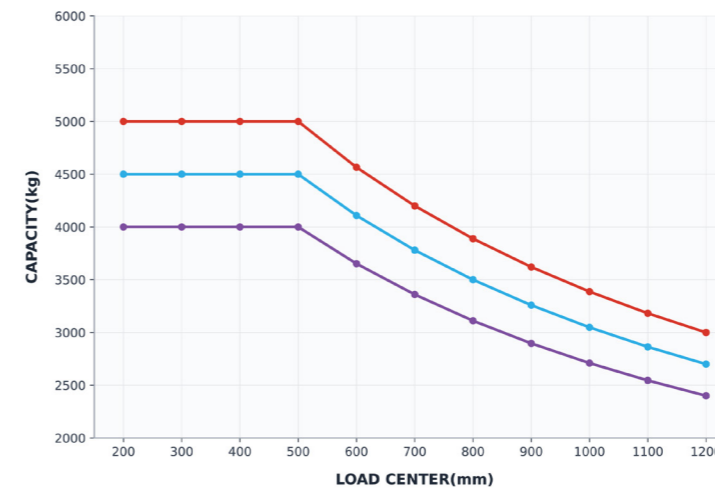
TECHNICAL SPECIFICATION

CHARACTERISTICS					
Manufacturer	TUBOSHU				
Model		TF40D	TF45D	TF50D	
Configuration Number		TUHECPD40UK	TUHECPD45UK	TUHECPD50UK	
Rated Capacity	Q	kg	4000	4500	5000
Load Center Distance	C	mm	500		
Power Mode	Diesel				
Driving Mode	Seated				
Front Overhang	x	mm	560		
Wheelbase	y	mm	2100		
DIMENSION PARAMETER					
Mast tilt angle (forward/backward)	α/β	°	6/12	6/12	6/12
Height (mast lowered)	h1	mm	2225	2225	2225
Free lifting height	h2	mm	155	155	155
Lifting height (standard)	h3	mm	3000	3000	3000
Max. height, extended (with backrest)	h4	mm	4240	4240	4240
Height of overhead guard	h6	mm	2350	2350	2350
Seat height relating to SIP (to ground)	h7	mm	1270	1270	1270
Towing coupling height	h10	mm	295	295	295
Ground clearance (between mast)	m1	mm	150	150	150
Overall length (with fork)	L1	mm	4320	4320	4320
Overall length (without fork)	L2	mm	3250	3250	3250
Overall width	b1	mm	1530	1530	1530
Distance across fork-arms, Max./Min.	b5	mm	300-1374	300-1374	300-1374
Fork size: thickness x width x length	s/e/l	mm	50x150x1070	50x150x1070	50x150x1070
Tread, front	b10	mm	1230	1230	1230
Tread, rear	b11	mm	1190	1190	1190
Right angle stacking aisle width for pallet 1000x1200mm crossways	Ast	mm	4690	4690	4690
Min. outside turning radius	Wa	mm	2930	2930	2930
WEIGHT					
Total weight		kg	6460	6660	6750
TYRES					
Wheels, number front/rear (x=driven wheels)			2X/2	2X/2	2X/2
Tyre type front/rear			Pneumatic-tyre	Pneumatic-tyre	Pneumatic-tyre
Tyre size, front			8.25-15-14PR	8.25-15-14PR	300-15-18PR
Tyre size, rear			7.00-12-14PR	7.00-12-14PR	7.00-12-14PR
Double-tyre size, front/rear			8.25-15-14PR / 7.00-12-14PR		
OTHER					
Service brake			Vacuum assisted braking-pedal type (mechanical truck) / hydraulic assisted braking-pedal type (hydrodynamic truck)		
Parking brake			Mechanical-hand lever		
Operating pressure for attachments			20.5	20.5	20.5
Fuel tank capacity			120	120	120

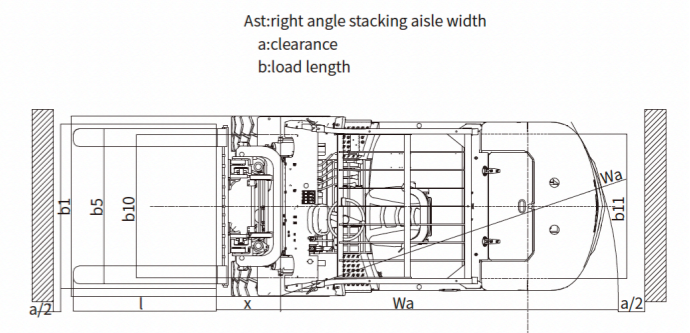
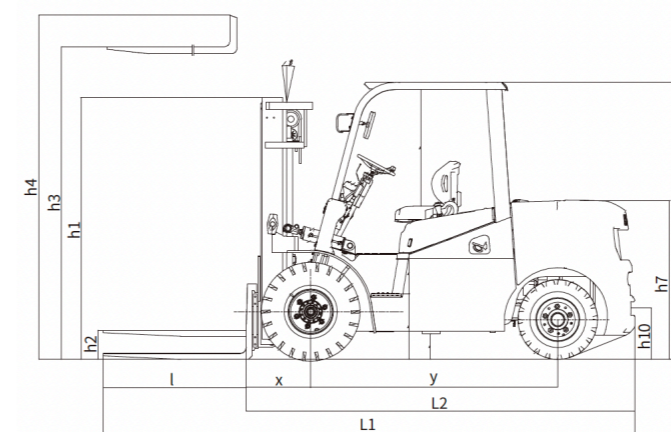
TECHNICAL SPECIFICATION

PERFORMANCE DATA		TF40D	TF45D	TF50D	
Transmission gears (front/rear)		Forward 2 backward 1			
Travel speed (laden/unladen)	km/h	24/25			
Lift speed (laden/unladen)	mm/s	530/560			
Max. drawbar pull (laden/unladen)	kN	33			
Max. gradeability (laden/unladen)	%	26/20			
ENGINE	Rated Power/Speed (kW/rpm)	Rated Torque/Speed (Nm/rpm)	Engine Displacement (L)	Engine Cylinder Number / Cylinder bore x stroke	Emission Standard
Mitsubishi S6S	52/2300	248/1700	4.996	6-94x115	China III / Euro IIIA

Load curve



Note : The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front of the fork. The base point of the standard load refers to the center position of the cube with 1000mm length of side. When mast is tilted forward, non standard fork usage or load with over wide goods, load capacity will be reduced. Different load capacity in different load center can be known in time through load chart



Ast:right angle stacking aisle width
a:clearance
b:load length

MAST PARAMETERS

Wide View standard Mast

Mast Model	Max Lift Height (mm)	Load Capacity (kg)			Height Mast Lowered (mm)	Free Lift w/ Backrest (mm)	Service Weight (kg)			Tilt Angle α/β (°)
		4 T	4.5 T	5 T			4 T	4.5 T	5 T	
	4-5 T	4 T	4.5 T	5 T	4-5 T	4-5 T	4 T	4.5 T	5 T	4-5 T
M250	2500	4000	4500	5000	1975	150	6125	6435	6845	6/12
M275	2750	4000	4500	5000	2115	150	6175	6485	6895	6/12
M300	3000	4000	4500	5000	2225	150	6200	6510	6920	6/12
M330	3300	4000	4500	5000	2375	150	6235	6545	6955	6/12
M350	3500	4000	4500	5000	2475	150	6260	6570	6980	6/12
M370	3700	4000	4500	5000	2575	150	6280	6590	7000	6/12
M400	4000	4000	4500	5000	2825	150	6405	6715	7125	6/6
M425	4250	4000	4500	5000	2950	150	6435	6745	7155	6/6
M450	4500	3800/*4000	4300/*4500	4700/*5000	3075	150	6460	6770	7180	6/6
M475	4750	3700/*4000	4200/*4500	4500/*5000	3200	150	6490	6800	7210	6/6
M500	5000	3500/*3700	4000/*4200	4250/*4600	3325	150	6520	6830	7240	6/6
M550	5500	3200/*3400	3600/*4000	4000/*4200	3625	150	6590	6900	7310	6/6
M600	6000	*3200	*3600	*3800	3875	150	6645	6955	7365	6/6

Wide View Full Free 2-Stage Mast

Mast Model	Max Lift Height (mm)	Load Capacity (kg)			Height Mast Lowered (mm)	Free Lift w/ Backrest (mm)	Service Weight (kg)			Tilt Angle α/β (°)
		4 T	4.5 T	5 T			4 T	4.5 T	5 T	
	4-5 T	4 T	4.5 T	5 T	4-5 T	4-5 T	4 T	4.5 T	5 T	4-5 T
ZM250	2500	4000	4500	5000	1990	780	6215	6525	6935	6/12
ZM275	2750	4000	4500	5000	2130	920	6260	6570	6980	6/12
ZM300	3000	4000	4500	5000	2240	1030	6285	6595	7005	6/12
ZM330	3300	4000	4500	5000	2390	1180	6330	6640	7050	6/12
ZM350	3500	4000	4500	5000	2490	1280	6355	6665	7075	6/12
ZM370	3700	4000	4500	5000	2590	1380	6385	6695	7105	6/12
ZM400	4000	4000	4500	5000	2790	1580	6505	6815	7225	6/6

Wide View Full Free 3-Stage Mast

Mast Model	Max Lift Height (mm)	Load Capacity (kg)			Height Mast Lowered (mm)	Free Lift w/ Backrest (mm)	Service Weight (kg)			Tilt Angle α/β (°)
		4 T	4.5 T	5 T			4 T	4.5 T	5 T	
	4-5 T	4 T	4.5 T	5 T	4-5 T	4-5 T	4 T	4.5 T	5 T	4-5 T
ZSM360	3600	3800/*4000	4350/*4500	4800/*5000	1940	730	6535	6845	7255	6/6
ZSM400	4000	3800/*4000	4350/*4500	4800/*5000	2080	870	6590	6900	7310	6/6
ZSM435	4350	3800/*4000	4350/*4500	4800/*5000	2190	980	6630	6940	7350	6/6
ZSM450	4500	3800/*4000	4350/*4500	4800/*5000	2240	1030	6655	6965	7375	6/6
ZSM470	4700	3500/*3800	4000/*4200	4500/*4800	2305	1095	6695	7005	7415	6/6
ZSM500	5000	3350/*3500	3800/*4000	4200/*4500	2440	1230	6735	7045	7455	6/6
ZSM540	5400	3250/*3400	3400/*3700	3800/*4200	2590	1380	6795	7105	7515	6/6
ZSM600	6000	*3200	*3400	*3800	2790	1580	6940	7250	7660	6/6
ZSM650	6500	*2500	*2800	*3200	2990	1780	7015	7325	7735	3/3
ZSM700	7000	*1800	*2000	*2500	3165	1955	7080	7390	7800	3/3

TECHNICAL SPECIFICATION

CONFIGURATIONS

Economic and energy saving	Load sense steering	Standard	
	Double pump confluence	Standard	
	Vacuum-assisted braking (mechanical truck)	Standard	
	Hydraulic power braking (hydrodynamic truck)	Standard	
Intelligent Security	Tilting cylinder with self-locking valve	Standard	
	Reversing buzzer	Standard	
	Reversing voice horn	Optional	
	Reverse radar and camera	Optional	
	Overspeed alarm (10km/h)	Optional	
	Overspeed alarm (speed limit value adjustable)	Optional	
	OPS (only for driving)	Optional	
	OPS (Driving and lifting)	Optional	
	Electric power switch	Optional	
	Engine oil pressure alarm	Standard	
Reliability	Oil water separator indicator	Standard	
	Charging indicator	Standard	
	Water temperature gauge	Standard	
	Neutral start switch	Standard	
	Fire extinguisher	Optional	
	Spark arrester	Optional	
	Fuel cap with lock	Optional	
	Engine hood locking device	Optional	
	Drum brake drive axle	Standard	
	Wet-type brake drive axle (mandatory cooling)	Optional	
Comfort and Convenience	Auxiliary tank	Optional	
	Double filter element air filter (with pressure alarm)	Standard	
	Dry-type double air filter	Optional	
	Self discharging ash filter	Optional	
Intelligent Security	Mechanical reversing	Standard	
	Intelligent gear shift	Optional	
	Steering wheel with knob (HELI packing)	Standard	
	Steering wheel without knob (HELI packing)	Optional	
	Full hydraulic power steering	Standard	
	Mast rear cylinder with lower buffering	Standard	
	Speed limiting valve for lifting oil circuit	Standard	
	Man-machine interactive liquid crystal instrument	Standard	
	Fan	Optional	
	Teacup holder	Standard	
Top Frame Options	USB interface	Optional	
	Rear view mirrors at both sides	Optional	
	Get on/off handle	Standard	
	Half enclosed seat	Standard	
	HEAN full suspension seat	Optional	
	Grammer full suspension seat	Optional	
	Rear toolbox	Optional	
	Cabin/Windshield	Low height overhead guard	
		Front windshield (with wiper)	Optional
		Front heat-resistant windshield (with wiper)	Optional
Rear windshield (without wiper)		Optional	
Glass ceiling		Optional	
PC Endurance Board Ceiling		Optional	
Panel mounted cab		Optional	
Single cooling air conditioner		Optional	
Cold and warm air conditioner		Optional	
Heater		Optional	
Lifting System	Basic wide view mast with 3m	Standard	
	The other lifting heights of basic wide view mast	Optional	
	Two stages full free wide view mast	Optional	
	Three stages full free wide view mast	Optional	
	Non standard fork and attachment	Optional	
	Lights	LED lamps for whole truck	Standard
		LED rear working lights	Optional
		Rear side of blue light	Optional
		Three sides of blue strip light	Optional
		Three sides of red strip light	Optional
LED flashing warning light (assembly type)		Optional	
LED rotary warning light (assembly type)		Optional	
LED rotary buzzer light (assembly type)		Optional	
Tyres		Pneumatic tyre	Standard
		Solid tyre	Optional
	Traceless solid tire	Optional	
	Others	Metric thread	Standard
Middle exhaust		Standard	
High exhaust		Optional	
Counterweight with protective net		Optional	
Counterweight and mast sling		Optional	
Reinforced rollers		Optional	
Steering cylinder sleeve		Standard	
Tilting cylinder sleeve		Optional	
No universal key		Standard	
Universal keys (4 pieces)		Optional	
Top Frame Options	Traction device	Standard	
	Driver's tool kits	Standard	

CONFIGURATIONS

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	Hydraulic power braking (hydrodynamic truck)	Standard	
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	Reversing buzzer	Standard	
	Reversing voice horn	Optional	
	Reverse radar and camera	Optional	
	Overspeed alarm (10km/h)	Optional	
	Overspeed alarm (speed limit value adjustable)	Optional	
	OPS (only for driving)	Optional	
	OPS (Driving and lifting)	Optional	
	Electric power switch	Optional	
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	Charging indicator	Standard	
	Water temperature gauge	Standard	
	Neutral start switch	Standard	
	Fire extinguisher	Optional	
	Spark arrester	Optional	
	Fuel cap with lock	Optional	
	Engine hood locking device	Optional	
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	Teacup holder	Standard	
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	Rear view mirrors at both sides	Optional	
	Get on/off handle	Standard	
	Half enclosed seat	Standard	
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	Grammer full suspension seat	Optional	
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		Front heat-resistant windshield (with wiper)	Optional
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		Rear side of blue light	Optional
		Three sides of blue strip light	Optional
		Three sides of red strip light	Optional
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LED rotary warning light (assembly type)		Optional	
LED rotary buzzer light (assembly type)		Optional	
Others		Pneumatic tyre	Standard
		Solid tyre	Optional
	Traceless solid tire	Optional	
	Others	Metric thread	Standard
Middle exhaust		Standard	
High exhaust		Optional	
Counterweight with protective net		Optional	
Counterweight and mast sling		Optional	
Reinforced rollers		Optional	
Steering cylinder sleeve		Standard	
Tilting cylinder sleeve		Optional	
No universal key		Standard	
Universal keys (4 pieces)		Optional	
Top Frame Options	Traction device	Standard	
	Driver's tool kits	Standard	