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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.



# TUBOSHU

FORKLIFT **7**

# TF20-30D

# TECHNICAL SPECIFICATION

## CHARACTERISTICS

Manufacturer		TUBOSHU	TUBOSHU	TUBOSHU
Model		TF20D	TF25D	TF30D
Configuration Number		TUHECP20UK	TUHECP25UK	TUHECP30UK
Rated Capacity	kg	2000	2500	3000
Load Center Distance	mm	500	500	500
Power Mode		Diesel	Diesel	Diesel
Driving Mode		Seat-Type	Seat-Type	Seat-Type
Weight	kg	3370	3740	4340

## DIMENSION PARAMETER

			TF20D	TF25D	TF30D
Max. lifting height	H	mm	3000	3000	3000
Mast overall height (lowered)	H1	mm	2000	2065	2180
Max. fork lifting height (with backrest)	H2	mm	4030	4245	4235
Free lift height	H3	mm	165	165	170
Overall height (Overhead guard)	H4	mm	2150	2170	2170
Min. ground clearance (at the mast)	H5	mm	115	135	135
Distance from surface of seat to overhead guard	H6	mm	1030	1030	1030
Traction pin height	H9	mm	275	280	280
Backrest height H13	H13	mm	1000	1227	1222
Overall length (with fork / without fork)	L/L1	mm	3500/2580	3818/2748	3836/2766
Wheelbase	L1	mm	1650	1700	1700
Front overhang L2	L2	mm	478	478	496
Rear overhang L3	L3	mm	457	570	570
Overall width W1	W1	mm	1150	1225	1225
Tread (Front/Rear) W3/W2	W3/W2	mm	970/970	1000/970	1000/970
Fork adjustable range (external/Max/Min) W5	W5	mm	1030/244	1060/250	1060/250
Min. turning radius (Exterior) r	r	mm	2170	2400	2420
Min. turning radius (Interior) r'	r'	mm	180	200	200
Min. right angle stacking aisle width Ra	Ra	mm	2200	2380	2400
Mast tilting angle	$\alpha/\beta$	$^{\circ}$	6°/12°	6°/12°	6°/12°
Fork size L4×W×T		mm	920×122×40	1070×125×45	1070×125×50

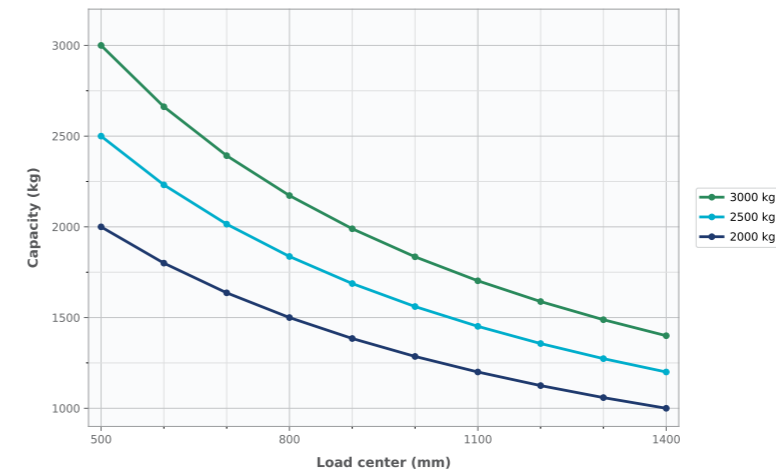
## ENGINE MAIN SPECIFICATIONS

ENGINE MODEL	Rated power/speed Kw/rpm	Rated torque/speed Nm/rpm	Engine Displacement km/h	Engine cylinder number-cylinder borexstroke	Emission standard
Mitsubishi S4S	35.3/2250	177/1700	3.331	4-94X120	China III/Euro IIIA

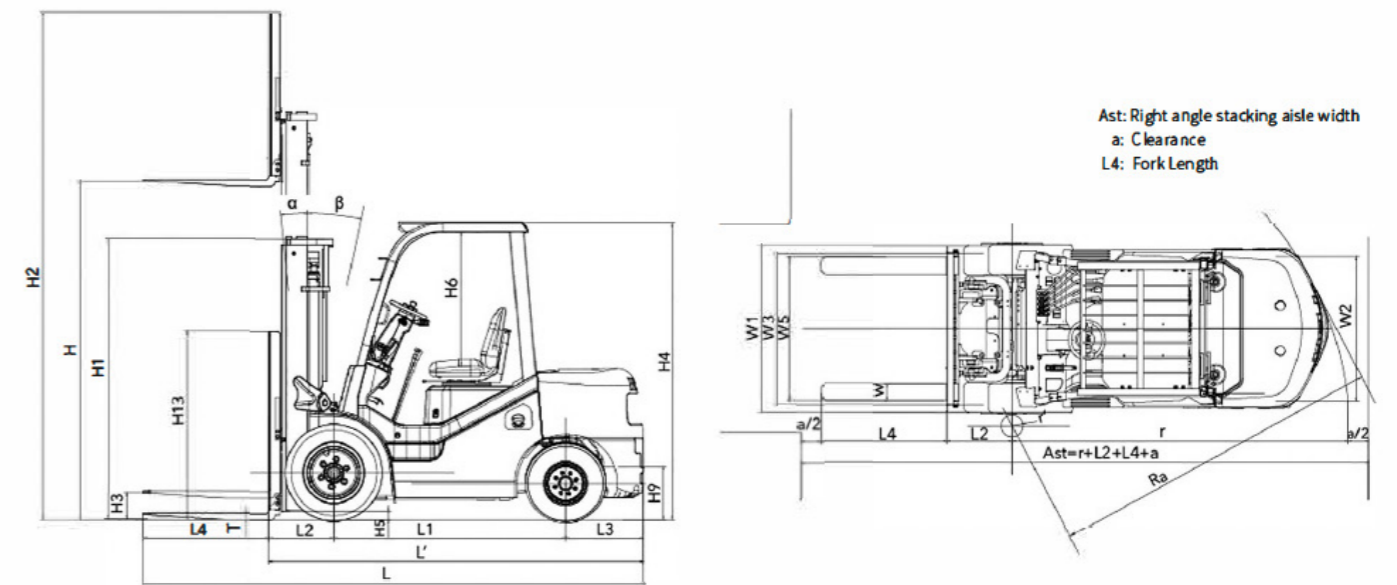
# TECHNICAL SPECIFICATION

## PERFORMANCE PARAMETER

		TF20D	TF25D	TF30D
Max. drawbar pull (Loaded/Unloaded)	kN	19/12.8	18.7/13.8	19/14
Max. gradeability (Loaded/Unloaded)	%	39/28	35/23	29/22
Max. traveling speed (Loaded/Unloaded)	km/h	17/19	17/19	19/20
Lifting speed (Loaded/Unloaded)	mm/s	560/600	560/600	500/550
Lowering speed (Loaded/Unloaded)	mm/s	450/500		
Battery (Voltage/Capacity)	V/Ah	12/80		
Engine fuel tank capacity	L	60		
Transmission box shifting gears (Front/Rear)		1-IPower Shift T/M / 2-2 Manual Shift T/M		



Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. The standard load means a cubic with 1200mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.



# TECHNICAL SPECIFICATION

MAST MODEL	Max Lifting Height (Mm)	Load Capacity (Load Center 500mm) (Kg)			Free Lift Height (Without Backrest) (Mm)			Service Weight (kg)	Mast Overall Height (mast lowered) (mm)				Mast Tilt Angle $\alpha/\beta$ (°)
		2-3T	2T	2.5T	3T	2T	2.5T		3T	2-3T	2T	2.5T	
<b>Wide View Standard Mast</b>													
	2-3T	2T	2.5T	3T	2T	2.5T	3T	2-3T	2T	2.5T	3T	2-3T	
M200	2000	2000	2500	3000	165	165	165	250	1800	1800	1800	6/12	
M250	2500	2000	2500	3000	165	165	165	265	1800	1800	1800	6/12	
M300	3000	2000	2500	3000	165	165	165	280	1800	1800	1800	6/12	
M330	3300	2000	2500	3000	165	165	165	295	2080	2080	2080	6/12	
M350	3500	2000	2500	3000	165	165	165	310	2230	2230	2230	6/12	
M370	3700	2000	2500	3000	165	165	165	315	2380	2380	2380	6/12	
M400	4000	2000	2500	3000	165	165	165	325	2530	2530	2530	6/6-6/12	
M425	4250	2000	2300*2500	2950*3000	165	165	165	340	2680	2680	2680	6/6-6/12	
M450	4500	1900*1900	2300*2400	2850*2900	165	165	165	350	2830	2830	2830	6/6-6/12	
M500	5000	1750*1800	2300*1750	2650*2750	165	165	165	375	3080	3080	3080	6/6-6/6	
M550	5500	1300*1750	1350*2100	2100*2500	165	165	165	395	3330	3330	3330	6/6-6/6	
M600	6000	950*1600	1000*1800	1500*2100	165	165	165	410	3580	3580	3580	6/12	
<b>Wide View Full Free 2-Stage Mast</b>													
	2-3T	2T	2.5T	3T	2T	2.5T	3T	2-3T	2T	2.5T	3T	2-3T	
ZM200	2000	2000	2500	3000	921	909	460	270	1680	1680	1680	6-12	
ZM250	2500	2000	2500	3000	1171	1160	710	285	1930	1930	1930	6-12	
ZM300	3000	2000	2500	3000	1421	1410	960	300	2180	2180	2180	6-12	
ZM330	3300	2000	2500	3000	1571	1560	1110	315	2330	2330	2330	6-12	
ZM350	3500	2000	2500	3000	1671	1660	1210	325	2430	2430	2430	6-12	
ZM370	3700	2000	2500	3000	1771	1760	1310	340	2530	2530	2530	6-12	
ZM400	4000	2000	2500	3000	2021	2010	1560	355	2780	2780	2780	6-12	
ZM425	4250	2000	2300*2500	2950*3000	2132	2121	1635	375	2855	2855	2855	6-6/6-12	
ZM450	4500	1900*1900	2300*2400	2850*2900	2221	2210	1760	390	2980	2980	2980	6-6/6-12	
ZM500	5000	1750*1800	2300*1750	2650*2750	2471	2460	2010	415	3230	3230	3230	6-5/6-5	
ZM550	5500	1300*1750	1350*2100	2100*2500	2771	2760	2310	440	3530	3530	3530	6-5/6-5	
ZM600	6000	950*1600	1000*1800	1500*2100	3021	3010	2560	460	3780	3780	3780	6-5/6-5	
<b>Wide View Full Free 3-Stage Mast</b>													
	2-3T	2T	2.5T	3T	2T	2.5T	3T	2-3T	2T	2.5T	3T	2-3T	
ZSM400	4000	2000	2500	3000	1301	1232	835	370	2065	2065	2065	6-6	
ZSM435	4350	1950*1950	2300*2400	2900*2950	1465	1357	960	390	2190	2190	2190	6-6	
ZSM450	4500	1900*1900	2300*2400	2850*2900	1515	1407	1010	400	2230	2230	2230	6-6/6-6	
ZSM470	4700	1850*1850	2150*2350	2800*2850	1515	1472	1010	410	2430	2430	2430	6-6*6-6	
ZSM480	4800	1850*1850	1950*2350	2750*2800	1640	1537	1107	425	2480	2480	2480	6-6/6-6	
ZSM500	5000	1750*1800	1750*2300	2650*2750	1715	1607	1210	435	2440	2440	2440	6-6/6-6	
ZSM540	5400	1400*1750	1500*2150	2250*2650	1840	1732	1335	460	2685	2685	2685	6-6/6-6	
ZSM600	6000	950*1600	1000*1800	1500*2100	2065	1957	1560	495	2790	2790	2790	6-6/6-6	
ZSM650	6500	700*1550	700*1700	1050*1900	2281	1963	1740	520	2980	2980	2980	6-6/6-6	
ZSM700	7000	400*1250	450*1250	750*1500	2641	2417	2133	540	3250	3250	3250	3-3/3-3	

# TECHNICAL SPECIFICATION

STANDARD CONFIGURATION		OPTIONAL EQUIPMENT	
Horn	Standard fork	Driver's cab	Torque converter oil temperature meter
Control valve	Integrated electric box	Warning light	Tilting cylinder bush
Wholly hydraulic-powered steering	Hydraulic oil circuit filter	High air exhausting device	Customer made color
Half enclosed seat	Flow regulator	Double air cleaner	Optional attachments
Backrest	Wide view mast	Suspension seat	Steel protection net
Back view mirror	Air intaking device	Lengthening fork extension	Double-tyre and protection device
Front combined lamp	Durable tread tyre	Warm air blower	Rotating seat for lpg
Transmission oil filter	Lifting and tilting operation lever	Solid tyre	Single/dual fuel system
Engine flame out device	Traction pin	Widen fork arm carrier	Low speed alarm
Cable type parking brake	Head lamp	Wind shield	
Driver's tool	Hydraulic oil dipstick	Cleansing muffler	
Rear combined lamp	Overhead guard	Fire extinguisher muffler	
Backward buzzer	Torque converter oil dipstick	Fire extinguisher	
Tilt oil circuit self lock valve	Combined instrument	Rear working light	
Tilt adjustable steering column	Electro-hydraulic direction changing	Air conditioner (certain type)	
Overhead guard rain cover		Travelling control system	