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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



ELECTRIC FORKLIFT ⁷ TF20-30E

TECHNICAL SPECIFICATION

CHARACTERISTICS					
Manufacturer	TUBOSHU				
Model			TF20E	TF25E	TF30E
Configuration Number			TUHECPD20UK	TUHECPD25UK	TUHECPD30UK
Rated Capacity	Q	kg	2000	2500	3000
Load Center Distance	C	mm	500		
Power Mode	Lithium Battery				
Driving Mode	Seated				
Front Overhang	x	mm	460	460	477
Wheelbase	y	mm	1660	1660	1750
DIMENSION PARAMETER					
			TF20E	TF25E	TF30E
Mast tilt angle (forward/backward)	α/β	°	6/10	6/10	6/10
Height (mast lowered)	h1	mm	2000	2000	2070
Free lifting height	h2	mm	165	165	155
Lifting height (standard)	h3	mm	3000	3000	3000
Max. height, extended (with backrest)	h4	mm	4320	4320	4217
Height of overhead guard	h6	mm	2170	2170	2180
Seat height relating to SIP (to ground)	h7	mm	1154	1154	1164
Towing coupling height	h10	mm	300	300	310
Overall length (with fork)	l1	mm	3354	3504	3637
Overall length (without fork)	l1	mm	2434	2434	2567
Overall width	b1	mm	1180	1180	1260
Fork carriage, according to ISO2328			2A	2A	3A
Fork size: thickness x width x length	s/e/l	mm	40x122x920	40x122x1070	45x125x1070
Distance across fork-arms, Max./Min.	b5	mm	1030/250	1030/250	1060/250
Ground clearance (at mast) m1	m1	mm	100	100	110
Ground clearance (center of wheelbase) m2	m2	mm	125	125	135
Right angle stacking aisle width for pallet 1000x1200mm crossways Ast	Ast	mm	3753	3753	3912
Right angle stacking aisle width for pallet 800x1200mm lengthways Ast	Ast	mm	3953	3953	4115
Min. outside turning radius Wa	Wa	mm	2140	2140	2235
WEIGHT					
			TF20E	TF25E	TF30E
Total weight (with/without battery)		kg	3585/3395	3925/3735	4550/4310
Axle load (laden, front/rear)		kg	4970/615	5790/635	6750/800
Axle load (unladen, front/rear)		kg	1750/1835	1780/2145	2050/2500
TYRES					
			TF20E	TF25E	TF30E
Tyre type			Pneumatic tyre		Front Pneumatic / Rear Solid tyre
Tyre size, front			7.00-12-14PR		28x9-15-14PR
Tyre size, rear			18x7-8-14PR		18x7-8
Wheels, number front/rear (x=driven wheels)			2/2		2/2
Tread, front	b10	mm	970	1000	
Tread, rear	b11	mm	960	970	

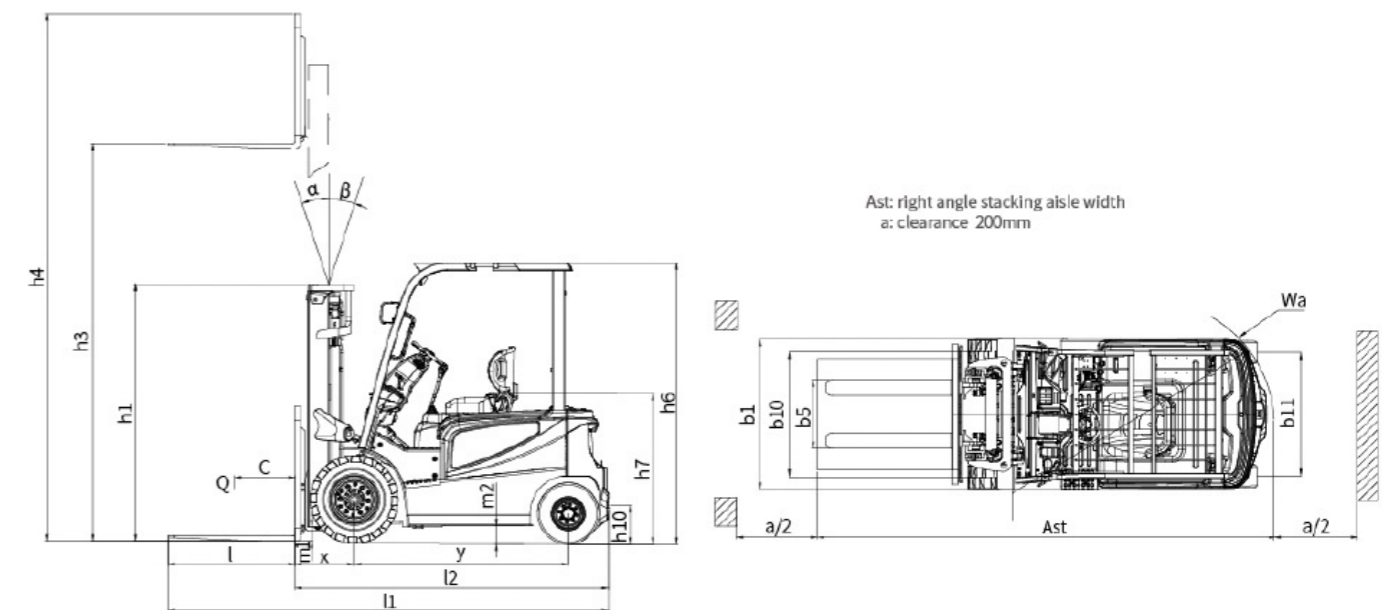
TECHNICAL SPECIFICATION

PERFORMANCE DATA		TF20E	TF25E	TF30E
Travel speed (laden/unladen)	km/h	14.5/15	14.5/15	14.5/15
Lift speed (laden/unladen)	m/s	0.320/0.440	0.290/0.440	0.320/0.440
Lowering speed (laden/unladen)	m/s	0.360/0.460	0.360/0.460	0.400/0.400
Max. drawbar pull (laden/unladen)	N	13600/13000	14000/13300	16300/15800
Max. gradeability (laden/unladen)	%	17/26	15/25	17/26
Acceleration Time/10 m (Laden/Unladen)	s	5.9/5.0	6.1/5.0	5.7/5.1
BATTERY		TF20E	TF25E	TF30E
Voltage/capacity (Standard/Optional)	V/Ah	80/202	80/202	80/250
Mass (Min./Max.)	kg	190	190	240
MOTOR & CONTROLLER		TF20E	TF25E	TF30E
Power of driving motor (S2-60min)	kW	11	11	15
Power of lifting motor (S3-15%)	kW	12	12	16
Control mode of driving motor		MOSFET/ AC		
Control mode of lifting motor		MOSFET/ AC		
Service Brake/ Parking Brake		Hydraulic / mechanical		
Operating Pressure for Attachments		16	16	16

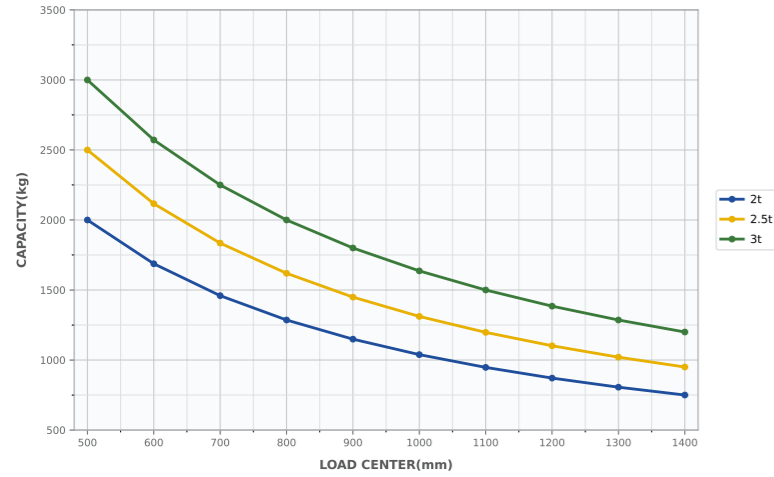
	HELI BRAND						CATL BRAND			
BATTERY	80V/202Ah	80V/250Ah	80V/280Ah	80V/404Ah	80V/560Ah	80V/404Ah	80V/560Ah	80V/125Ah	80V/150Ah	80V/173Ah
TF20-25E	-	-	-	•	°	-	-	-	-	-
TF30E	-	-	-	-	-	-	•	-	-	-

	CATL BRAND								
BATTERY	80V/202Ah	80V/228Ah	80V/271Ah	80V/302Ah	80V/346Ah	80V/404Ah	80V/456Ah	80V/542Ah	80V/604Ah
TF20-25E	-	°	°	°	°	-	-	-	-
TF30E	-	-	-	-	-	-	°	°	°

Note: "•" = Standard "°" = Optional "-" = Non-configurable



TECHNICAL DATA



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

CONFIGURATIONS

Category	Configuration	Status
Safety	Steering deceleration	Standard
	Rear handle with horn for truck reversing	Standard
	Overspeed alarm (5km/h)	Optional
	Overspeed alarm (8km/h)	Optional
	Overspeed alarm (10km/h)	Optional
	Speed limit (no ultimate limit type)	Optional
	OPS (travelling+lifting+tilting+attachment) (lowering is not included)	Standard
	Full set of OPS	Optional
	Safety switch for seat belt	Standard
	Hydraulic valve overload protection device	Standard
	Dry powder extinguisher (0.5kg)	Optional
	Dry powder extinguisher (2kg)	Optional
	Backward buzzer	Standard
	Reversing speaker (Chinese)	Optional
	Electronic upper buffering	Optional
Wide-angle central rear view mirror	Standard	
Rearview mirror on two sides + Center wide angle rearview mirror	Optional	
Reverse radar (4 probes)	Optional	
Reversing image (1 camera + 4 probes)	Optional	
Comfort	Semi-enclosure seat	Standard
	Full suspension seat	Optional
	1 USB interface (5V/1A)	Standard
	Super low torque steering unit	Standard
	Mechanical control valve	Optional
Fan	Optional	

CONFIGURATIONS

Category	Configuration	Status
Cab/ Windshields	Panel mounted cab (with fan and wiper)	Optional
	Heater	Optional
	Air conditioner only for cooling	Optional
	Air conditioner only for cooling + heater	Optional
	Front windshield (with wiper/no blow can)	Optional
Rear windshield	Optional	
Top windshield (without fan)	Optional	
Lights	LED rear working lamp (one)	Optional
	Rear LED red/blue spot lamp	Optional
	Left, right and rear blue bar	Optional
	Fixed type LED flicker warning lamp	Standard
	Fixed type LED rotating warning lamp	Optional
Others	Fixed type LED rotating buzzer warning lamp	Optional
	Sleeve for steering cylinder	Standard
	Sleeves for steering cylinder and tilting cylinder	Optional
FICS standard type (domestic)	Optional	

MAST PARAMETERS

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 (°)
		2 T	2.5 T	3 T			2 T	2.5 T	3 T	
M200	2000	2000	2500	3000	2000	150	3505	3845	4454	6/10
M250	2500	2000	2500	3000	1750	150	3553	3893	4502	6/10
M300	3000	2000	2500	3000	2000	150	3585	3925	4550	6/10
M330	3300	2000	2500	3000	2150	150	3625	3965	4579	6/10
M350	3500	2000	2500	3000	2250	150	3644	3984	4598	6/10
M370	3700	2000	2500	3000	2350	150	3660	4000	4617	6/6
M400	4000	2000	2500	2850	2550	150	3732	4072	4697	6/6
M425	4250	1950*1950	2450*2450	2800*2800	2675	150	3756	4096	4721	6/6*6/10
M450	4500	1900*1900	2300*2300	2700*2500	2800	150	3778	4118	4745	6/6*6/10
M500	5000	1800*1800	2100*2100	2200*2500	3050	150	3822	4162	4793	6/6*6/6
M550	5500	1450*1450	1700*1700	2000*2100	3350	150	3913	4253	4891	3/6*3/6
M600	6000	1500*1600	1850*1600	1600*2100	3600	150	3958	4298	4939	3/6*3/6

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 (°)
		2 T	2.5 T	3 T	2-2.5 T	3T	2-2.5 T	3T	2 T	2.5 T	3 T	
ZM200	2000	2000	2500	3000	1500	1570	496	340	3772	4112	4482	6/10
ZM250	2500	2000	2500	3000	1750	1820	746	590	3838	4178	4532	6/10
ZM300	3000	2000	2500	3000	2000	2070	996	840	3905	4245	4582	6/10
ZM330	3300	2000	2500	3000	2150	2220	1146	990	3945	4285	4614	6/10
ZM350	3500	2000	2500	3000	2250	2320	1246	1090	3972	4312	4634	6/10
ZM370	3700	2000	2500	3000	2350	2420	1346	1190	3998	4338	4654	6/6
ZM400	4000	2000	2500	2850	2550	2620	1546	1390	4089	4429	4732	6/6
ZM425	4250	1950*1950	2450*2400	2650*2700	2675	2745	1671	1515	4122	4462	4758	6/6*6/10
ZM450	4500	1900*1900	2300*2300	2500*2600	2800	2870	1796	1640	4155	4495	4786	6/6*6/10
ZM500	5000	1800*1800	2100*2100	2100*2600	3050	3120	2046	1890	4222	4562	4840	6/6*6/6
ZM550	5500	1450*1450	1700*1700	1950*2400	3350	3420	2346	2190	4339	4679	4939	3/6*3/6
ZM600	6000	1500*1600	1850*1600	1300*2000	3600	3670	2596	2440	4406	4746	4992	3/6*3/6

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 (°)
		2 T	2.5 T	3 T	2-2.5 T	3T	2-2.5 T	3T	2 T	2.5 T	3 T	
ZSM360	3600	2000	2500	2850	1800	796	496	640	3990	4330	4693	6/6
ZSM400	4000	2000	2500	2750	1950	946	746	790	4023	4363	4734	6/6
ZSM435	4350	1900*2000	2300*2500	2550*2600	2050	1046	996	890	4057	4397	4763	6/6*6/6
ZSM450	4500	1900*1900	2100*2350	2450*2600	2100	1096	1146	940	4070	4410	4778	6/6*6/6
ZSM470	4700	1850*1850	2200*2250	2350/*2550	2165	1161	1246	1000	4087	4427	4796	6/6*6/6
ZSM480	4800	1850*1850	2200*2250	2400*2550	2210	1206	1346	1040	4097	4437	4806	6/6*6/6
ZSM500	5000	1800*1800	2100*2200	2100*2550	2300	1296	1546	1140	4123	4463	4833	6/6*6/6
ZSM540	5400	1400*1400	1800*1750	1950*2400	2400	1396	1671	1240	4157	4497	4863	3/6*3/6
ZSM600	6000	1600*1600	1800*1800	1400*2200	2600	1596	1796	1440	4254	4594	4967	3/6*3/6
ZSM650	6500	1450*1450	1650*1650	950*1900	2800	1796	2046	1640	4305	4645	5022	3/3*3/3
ZSM700	7000	1150*1150	1300*1300	1800*-	2975	1971	2346	1815	4377	4717	5072	3/3*3/3

Wide View Full Free 3-Stage Mast