

FORKLIFT **TF50-E** **ELECTRIC**

A powerful electric machine that can lift up to 5 tons of weight, making it suitable for a variety of heavy-duty applications



TUBOSHU

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CHARACTERISTICS			
Manufacturer			TUBOSHU
Model			TF50-E
Configuration Number			G2A1LI
Rated Capacity	Q	kg	5000
Load Centre Distance	C	mm	500
Power Mode			Lithium Battery
Driving Mode			Seated
Front Overhang	x	mm	565
Wheelbase	y	mm	2100
WEIGHT			
Total Weight (With/Without Battery)		kg	6600/6270
Axle Load (Laden, Front/Rear)		kg	10430/1170
Axle Load (Unladen, Front/Rear)		kg	2900/3700
TYRES			
Tyre Type			Solid Tyre
Wheel Number (front/rear)(x=driven wheels)			2X/2 (Dual Type 4X/2)
Tread Front	b10	mm	1180
Tread Rear	b11	mm	1190
Tyre (Front)			8.25-15
Tyre (Back)			7.00-12
DIMENSIONS			
Mast Tilt Angle (front/rear)	α/β	°	6/12
Height Mast Lowered	h1	mm	2275
Free Lifting Height	h2	mm	150
Lifting Height (standard)	h3	mm	3000
Max Height, Extended, (with backrest)	h4	mm	4250
Height of Overhead Guard	h6	mm	2350
Seat Height to SIP (to ground)	h7	mm	1080
Towing Coupling Height	h10	mm	430
Overall Length (with fork)	L1	mm	4325
Overall Length (without fork)	L1	mm	3255
Overall Width	b1	mm	1480
Fork Size (thickness x width x length)	s/e/l	mm	50x150x1070
Fork Arm Carrier ISO 2328			III
Distance Across Fork Arms, Max/Min	b5	mm	1340/300
Ground Clearance (laden, between mast)	W1	mm	150
Ground Clearance (center of wheelbase)	r	mm	230
Right Angle Stacking Aisle Width For Pallet (1000x1200mm) crossways	Ast	mm	4690
Right Angle Stacking Aisle Width For Pallet (800x1200mm) crossways	Ast	mm	4890
Min. Outside Turnng Radius	Wa	mm	2930
PERFORMANCE DATA			
Travel Speed (Laden/Unladen)		km/h	18/19
Lift Speed (Laden/Unladen)		m/s	390/500
Lowering Speed (Laden/Unladen)		m/s	450/450
Max. Draubar Pull (Laden/Unladen)		N	23/20
Max. Gradeability (Laden/Unladen)		%	17/20

BATTERY			
Battery Voltage/Capacity (Standard/Optional)		V/Ah	153.6/230 (Optional 153.6/280, 153.6/346)
Mass (Min/Max)		kg	325/455
MOTOR & CONTROLLER			
Driving Motor Power (S2-60min)		kW	25
Lifting Motor Power (S3-15%)		kW	20
Steering Motor Power (S3-15%)		kW	2.5
Drive Motor Controlling Mode			MOS Tube /AC
Lifting Motor Controlling Mode			MOS Tube /AC
ADDITIONAL DATA			
Service Brake/Parking Brake	Hydraulic Power Assisted Braking / Mechanical - Ratchet Type		
Operating Pressure for Attachements		Mpa	14
CHARGER			
Charger Model	ASPS-150V100A-S1		ASPS-150V200A-S1
Wiring Type	Three-Phase Four Wiring Type		
Power of Charger	≤20		≤40
Air Switch Model of Upper Level Power	63		80
Input Voltage Range	380±15%		
Protection Level	IP20		
Working Ambient Temperature	-20~+45		
Plugs and Sockets	Charger Meeting International Standard		
Charger	Full Charging time=required charging capacity/charging current +0.2h For example: the battery is 153.6/230Ah and the discharging state is alarmed by intstrument, the ccharger is 100A, thus the full charging time is 230*0.9/100+0.2=2.27h		

CONFIGURATIONS		
SAFETY	Steering Deceleration	x
	Rear Handle with Horn for Truck Reversing	x
	Overspeed Alarm (5km/h)	-
	Overspeed Alarm (8km/h)	-
	Overspeed Alarm (10km/h)	-
	Speed Limit (no ultimate limit type)	-
	OPS (Tarvelling+lifting+attacheement) (lowering not included)	x
	Full Set of OPS	-
	Safety Switch for Seatbelt	x
	Hydraulic valve Overload Protection Device	x
	Dry Powder Extinguisher (0.5kg)	-
	Dry Powder Extinguisher (2kg)	-
	Backward Buzzer	x
	Reversing Speaker (Chinese)	-
	Electronic Upper Buffering	-
	Wide-Angle Central rear View Mirror	x
	Rearview mirror on 2 sides+ Center wide angle rearview mirror	-
	Reverse Radar (4 probes)	-
	Reversing Image) 1 camera +4 probes)	-

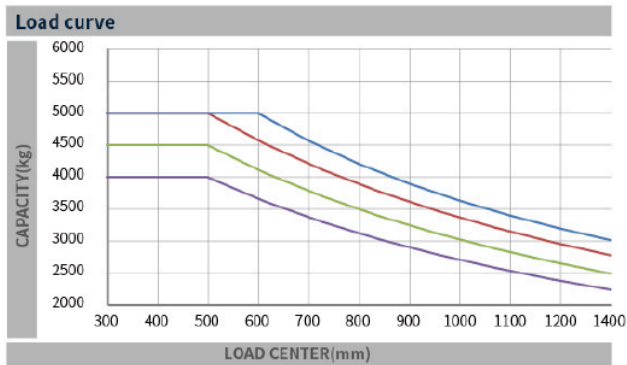
"x" = standard
"-" = optional

CONFIGURATIONS		
COMFORT	Semi-Enclosure Seat	x
	Full Suspension Sheet	-
	1 USB Interface (5V/1A)	x
	Super Low Torque Steering Unit	x
	Mechanical Control Valve	-
	Fan	-
CAB/ WINDSHIELDS	Panel Mounted Cab (with fan and wiper)	-
	Heater	-
	Air Conditionner only for Cooling	-
	Air Conditionner only for Cooling+Healer	-
	Front Windshield 9with wiper/no blow can)	-
	Rear Windshield	-
LIGHTS	Top Windshield)without fan)	-
	LED Ear Working Lamp (one)	-
	Rear LED red/blue Spot Lamp	-
	Left, Right and Rear Blue Bar	-
	Fixed Type LED Flickering Warning Lamp	x
	Fixed Type LED Rotating Warning Lamp	-
OTHERS	Fixed Type LED Rotating Buzzer Warning Lamp	-
	Sleeve for Steering Cyliner	x
	Sleeve for Steering Cylinder and Tilting Cylinder	-
	FICS Standard Type (Domestic)	-

5T -WIDE VIEW STANDARD MAST						
MAST MODEL	LIFTING HEIGHT (mm)	LOAD CAPACITY LOAD CENTER 500 MM (kg)	HEIGHT (MAST LOWERED) (mm)	FREE LIFT HEIGHT(with bakrest) (mm)	SERVICE WEIGHT (KG)	MAST TILT ANGLE α/β (°)
		5T	5T	5T	5T	5T
M250	2500	5000	1990	150	6535	6/12
M300	3000	5000	2240	150	6600	6/12
M330	3300	5000	2390	150	6640	6/12
M350	3500	5000	2490	150	6565	6/12
M370	3700	5000	2590	150	6690	6/12
M400	4000	5000	2790	150	6780	6/12
M425	4250	5000	2915	150	6815	6/6
M450	4500	4700*5000	3040	150	6845	6/6
M475	4750	4500*5000	3165	150	6875	6/6
M500	5000	4250*4600	3290	150	6910	6/6
M550	5500	4000*4200	3590	150	7025	6/6
M600	6000	*3200	3840	150	7090	6/6

5T -WIDE VIEW FULL FREE 2-STAGE MAST						
MAST MODEL	LIFTING HEIGHT (mm)	LOAD CAPACITY LOAD CENTER 500 MM (kg)	HEIGHT (MAST LOWERED) (mm)	FREE LIFT HEIGHT(with bakrest) (mm)	SERVICE WEIGHT (KG)	MAST TILT ANGLE α/β (°)
		5T	5T	5T	5T	5T
ZM250	2500	5000	1990	785	6538	6/12
ZM300	3000	5000	2240	1035	6593	6/12
ZM330	3300	5000	2390	1185	6633	6/12
ZM350	3500	5000	2490	1285	6658	6/12
ZM370	3700	5000	2590	1385	6683	6/12
ZM400	4000	5000	2790	1585	6773	6/12
ZM425	4250	5000	2915	1710	6813	6/6
ZM450	4500	3800*4000	3040	1835	6853	6/6
ZM475	4750	3700*4000	3165	1960	6893	6/6
ZM500	5000	3500*3700	3290	2085	6928	6/6
ZM550	5500	3200*3400	3590	2385	7043	6/6
ZM600	6000	*3200	3840	2635	7093	6/6

5T -WIDE VIEW FULL FREE 2-STAGE MAST						
MAST MODEL	LIFTING HEIGHT (mm)	LOAD CAPACITY LOAD CENTER 500 MM (kg)	HEIGHT (MAST LOWERED) (mm)	FREE LIFT HEIGHT(with bakrest) (mm)	SERVICE WEIGHT (KG)	MAST TILT ANGLE α/β (°)
		5T	5T	5T	5T	5T
ZSM360	3600	4800*5000	1940	730	6758	6/6
ZSM400	4000	4800*5000	2080	870	6808	6/6
ZSM435	4350	4800*5000	2190	980	6853	6/6
ZSM450	4500	4800*5000	2240	1030	6868	6/6
ZSM470	4700	4500*4800	2305	1095	6893	6/6
ZSM500	5000	4200*4500	2440	1230	6943	6/6
ZSM540	5400	3800*4200	2590	1380	7053	6/6
ZSM600	6000	*3800	2790	1580	7123	6/6
ZMS650	6500	*3200	2990	1780	7198	6/6
ZSM700	7000	*2500	3165	1955	7263	6/6



- 5t@600
- 5t@500
- 4.5t@500
- 4t@500

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 1000mm 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.

