

# FORKLIFT TFT16E-H ELECTRIC

A powerful 3-wheel electric machine that can lift up to 1.6 tons of weight, making it suitable for a variety of heavy-duty applications



## TUBOSHU

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CHARACTERISTICS			
Manufacturer			TUBOSHU
Model			TFT16-E
Configuration Number			CPD16SQ-A2LIG3-M
Rated Capacity			1600
Load Centre Distance	Q	kg	500
Power Mode	C	mm	Lithium Battery
Driving Mode			Seated
Front Overhang	x	mm	367
Wheelbase	y	mm	1292
WEIGHT			
Total Weight (With/Without Battery)		kg	3030/2750
Axle Load (Laden, Front/Rear)		kg	4035/595
Axle Load (Unladen, Front/Rear)		kg	2050/2500
TYRES			
Tyre Type			Solid Tyre
Tyre Size, Front			18x7-8
Tyre Size, Rear			140/55-9
Wheels Number Front/Rear			2/2
Tread, Front	b10	mm	920
Tread, Rear	b11	mm	205
DIMENSIONS			
Mast Tilt Angle	$\alpha/\beta$	°	5/7
Height (Mast Lowered)	h1	mm	2070
Free lifting height	h2	mm	105
Lifting Height (Standard)	h3	mm	3000
Max Height Extended (With Backrest)	h4	mm	4038
Height of Overhead Guard	h6	mm	2040
Seat Height Relating to SIP (to Ground)	h7	mm	1042
Towing Coupling Height	h10	mm	482
Overall Length with Fork	l1	mm	2835
Overall Length without Fork	l2	mm	1915
Overall Width	b1	mm	1076
Fork Carriage According to ISO2328			2A
Fork Size (thickness x width x length)	s/e/l	mm	35x100x920
Distance Across Fork-Arms MAX/MIN	b5	mm	960/200
Ground Clearance at Mast	m1	mm	90
Ground Clearance (center of wheelbase)	m2	mm	100
Right Angle Stacking Aisle Width For Pallet (1000x1200mm) the Side of 1200 mm Is Placed Across The Forks	Ast	mm	3220
Right Angle Stacking Aisle Width For Pallet (800x1200mm) the Side of 1200 mm Is Placed Across The Forks	Ast	mm	3350
Minimum Outside Turning Radius	Wa	mm	1530
PERFORMANCE DATA			
Travel Speed (Laden/Unladen)		km/h	16/16
Lift Speed (Laden/Unladen)		m/s	430/600
Lowering Speed (Laden/Unladen)		m/s	470/500
Max. Draubar Pull (Laden/Unladen)		N	13500
Max. Gradeability (Laden/Unladen)		%	20
Acceleration Time/10 m (Laden/Unladen)		s	5.4/5

BATTERY			
Battery Voltage/Capacity		V/Ah	80/202
Battery Weight		kg	280
MOTOR AND CONTROLLER			
Driving Motor Powering (S2-60min)		kW	5.5 x 2
Lifting Motor Powering (S3-15%)		kW	16.5
Driving Motor Controlling Mode			MOSFET/AC
Lifting Motor Controlling Mode			MOSFET/AC
ADDITIONAL DATA			
Service Brake / Parking Brake			HYDRAULIC / MECHANICAL
Relief Pressure		Mpa	17.5

1.5T/1.6T/1.8T/2T -WIDE VIEW STANDARD MAST													
MAST MODEL	MAX FORK HEIGHT mm	LOAD CAPACITY kg				HEIGHT (mast lowered) (mm)	Free Lift (with backrest) (mm)		SERVICE WEIGHT (KG)				MAST TILT ANGLE α/β (°)
		1.5 T	1.6 T	1.8 T	2.0 T		1.5-2 T	1.5-1.8 T	2 T	1.5 T	1.6 T	1.8 T	
M200	2000	1500	1600	1800	2000	1500	105	110	2959	3148	3255	3341	5/7
M250	2500	1500	1600	1800	2000	1750	105	110	2992	3181	3288	3374	5/7
M300	3000	1500	1600	1800	2000	2000	105	110	3025	3214	3321	3407	5/7
M330	3300	1500	1600	1800	2000	2150	105	110	3045	3234	3341	3427	5/7
M350	3500	1500	1600	1800	2000	2250	105	110	3058	3247	3354	3440	5/7
M370	3700	1500	1600	1800	2000	2350	105	110	3072	3261	3368	3454	5/7
M400	4000	1500	1600	1800	2000	2550	105	110	3123	3312	3419	3505	3/5
M425	4250	1500	1600	1750	1900	2675	105	110	3140	3329	3436	3522	3/5
M450	4500	1400	1500	1700	1850	2800	105	110	3156	3345	3452	3538	3/5
M500	5000	1300	1400	1600	1700	3050	105	110	3215	3404	3511	3597	3/3

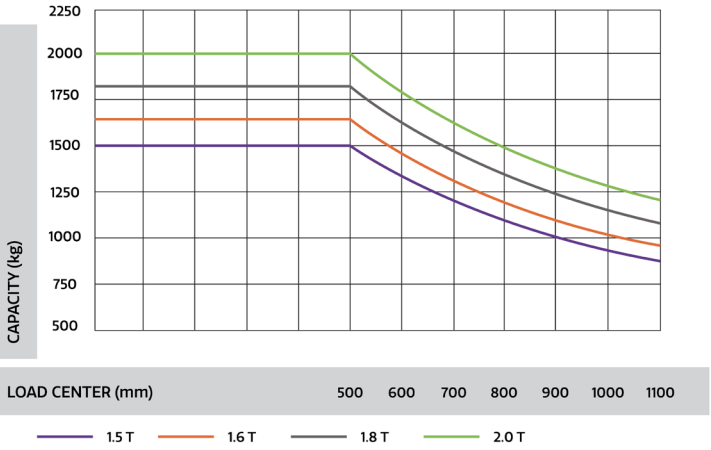
1.5T/1.6T/1.8T/2T -WIDE VIEW FREE 2 STAGE MAST													
MAST MODEL	MAX FORK HEIGHT mm	LOAD CAPACITY kg				HEIGHT (mast lowered) (mm)	Free Lift (with backrest) (mm)		SERVICE WEIGHT (KG)				MAST TILT ANGLE α/β (°)
		1.5 T	1.6 T	1.8 T	2.0 T		1.5-2 T	1.5-1.8 T	2 T	1.5 T	1.6 T	1.8 T	
ZM200	2000	1500	1600	1800	2000	1500	477	482	2953	3142	3249	3335	5/7
ZM250	2500	1500	1600	1800	2000	1750	727	732	2984	3173	3280	3366	5/7
ZM300	3000	1500	1600	1800	2000	2000	977	982	3015	3204	3311	3397	5/7
ZM330	3300	1500	1600	1800	2000	2150	1127	1132	3033	3222	3329	3415	5/7
ZM350	3500	1500	1600	1800	2000	2250	1227	1232	3045	3234	3341	3427	5/7
ZM370	3700	1500	1600	1800	2000	2350	1327	1332	3057	3246	3353	3439	5/7
ZM400	4000	1500	1600	1800	2000	2550	1527	1532	3107	3296	3403	3489	3/5

1.5T/1.6T/1.8T/2T -WIDE VIEW FREE 2 STAGE MAST													
MAST MODEL	MAX FORK HEIGHT mm	LOAD CAPACITY kg				HEIGHT (mast lowered) (mm)	Free Lift (with backrest) (mm)		SERVICE WEIGHT (KG)				MAST TILT ANGLE α/β (°)
		1.5 T	1.6 T	1.8 T	2.0 T		1.5-2 T	1.5-1.8 T	2 T	1.5 T	1.6 T	1.8 T	
ZSM360	3600	1500	1600	1800	2000	1750	727	732	3134	3323	3430	3516	3/5
ZSM400	4000	1500	1600	1800	2000	1900	877	882	3163	3352	3459	3545	3/5
ZSM435	4350	1400	1500	1700	1900	2000	977	982	3183	3372	3479	3565	3/5
ZSM450	4500	1400	1500	1700	1850	2050	1027	1032	3193	3382	3489	3575	3/5
ZSM470	4700	1350	1450	1650	1750	2120	1097	1102	3207	3396	3503	3589	3/5
ZSM480	4800	1350	1450	1650	1750	2150	1127	1132	3213	3402	3509	3595	3/5
ZSM500	5000	1200	1300	1650	1700	2250	1227	1232	3233	3422	3529	3615	3/3
ZSM540	5400	1050	1150	1250	1400	2400	1377	1382	3262	3451	3558	3644	3/3
ZSM600	6000	800	900	1000	1100	2675	1652	1657	3347	3536	3643	3729	3/3
ZSM650	6500	700	800	900	1000	2850	1827	1832	3381	3570	3677	3763	3/3

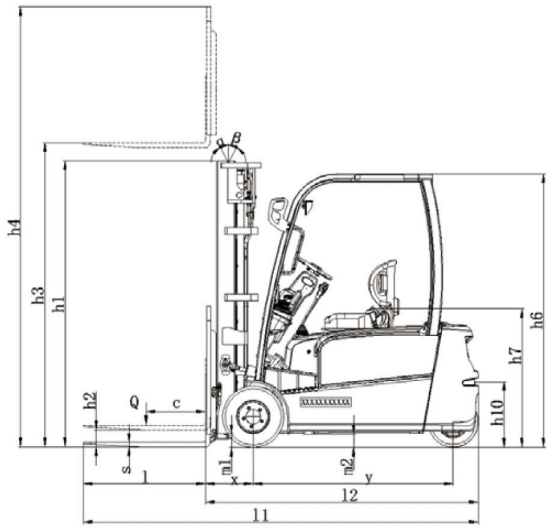
LITHIUM BATTERY CHARGER										
LITHIUM BATTERY BRAND	HEDING				ENEROC					
VOLTAGE/CAPACITY	202	280	404		200	228	268	302	346	400
TFT15/16/18	0	x	x		x	x	x	x	-	-
TFT 20	0	x	x		x	x	x	x	x	x
LOW TEMPERATURE HEATING OF LITHIUM BATTERY CHARGER	0									
	D80V200ALi-123 (charging gun) / D80V200ALi-423 (charging gun)									

CONFIGURATIONS		* Standard / ** Optional
FOR SAFETY	Steering Speed Limit	◇
	Reverse Handle with Horn	◇
	OPS	◇
	Safety Protecting Function of Multiway Valve Overload	◇
	Reverse Buzzer	◇
	Upper Buffering	◇
	Central Wide-Angle Rearview Mirror	◇
	Rearview Mirrors on 2 Sides	-
	Front Protective Net	-
	Seat with Safety Belt	-
	Dry Powder Fire Extinguisher (0.5kg)	-
	Dry Powder Fire Extinguisher (2kg)	-
	Reverse Chimes Voice Speaker	-
	Reversing Parking Sensor (4 probes)	-
Reversing Image (1 camera + 4 probes)	-	
FOR DRIVING COMFORT	Semi-Enclosed Seat	◇
	USB (5V/1A)	◇
	Steering with Steering Wheel Chart	◇
	Mechanical Operation Valve	◇
	Colorful Instrument	◇
	Full Suspension Seat	-
	Electromagnetic Operated Valve	-
	Fan	-
	Heater	-
	Panel Mounted Cab	◇
FOR CAB/ WINDSHIELD	Front Windshield	-
	Rear Windshield	-
	Top Windshield	-
FOR LIGHTING	LED Lights	◇
	LED Flickering Warning Lights	◇
	LED Rear Working Lights	-
	LED Red/Blue Rear Working Lights	-
	Red/Blue Strip Lights on Rear and Bilateral Sides	-
	LED Rotating Warning Light	-
	LED Rotating Warning and Beep Warning Light	-
	Metric Thread	◇
OTHERS	Solid Tyre	◇
	Solid Tyre without Travelling Mark	-
	Sleeve for Tilting Cylinder	-
	FCIS	◇

### 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 200mm

