

CT POWER

Product of Global-Power Co., Ltd



TOYOTA INDUSTRIES GROUP



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CT POWER

Manufactured by
Global-Power Co., Ltd
 TOYOTA INDUSTRIES GROUP

TL ***SERIES*** **DIESEL**

The diamond-cut edges on the side of the TL series shape the design, giving it a feel that embodies the essence of the times, science and technology.



The TL Series, the higher end model in the CTPower product line, sets a new bar in counterbalance forklifts. The TL series, 2.0-3.5 Ton Diesel forklift, Diamond-cut sideline offers ergonomic design, low fuel consumption, enhanced safety and performance while lowering vibration and operating noise and easy to maintain.

EFFICIENCY FEATURES

Ergonomic comfort

Perfect shape & position of manual gear lever facilitate the driver's operation. Independent dual rear lights together with warning light & easy to recognise and maintain.



New type rear axle

Design increases turning angle to 78° and reduces turning radius.

Unibody frame

Boltless, unibody design increases strength by 20%, improves safety and allows the forklift to handle uneven surfaces and curvy plates, can withstand long rigorous transporting operations.

Smaller steering wheel

Facilitates turning & decreases operator fatigue. With the new steering valve & rear axle design, thus reducing the load on arms & shoulders. The steering column has adjustable angles to allow the operator to achieve desired operating position.

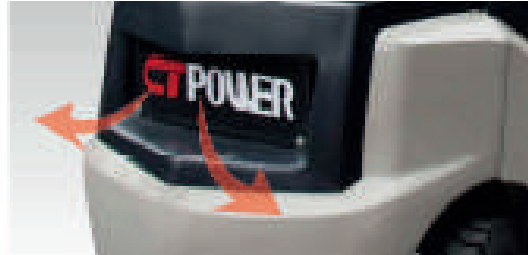
New wide-view mast made with German steel

Offering exceptional durability & reliability. Utilising dual free lift design, repositioned rollers to the back, hidden pipe, new carriage, to reach the optimum vision & loading capacity together with new lower dashboard, increases the operator's vision & safety. The new 2 & 3 stage masts offer up to maximum 6m height.



Large opening angle

Increases opening angle to 80° to facilitate maintenance. Opening entire hood is easy with a revised simple pull lever.



Optimum heat distribution

New design with 40% larger radiator space dissipates heat faster and keeps engine cool.



Large fuse box

Organised, easy to read & reduce maintenance time.

CTPower transmission (patented)

Uses advanced hydrodynamics for great precision and smoothness. Equipped with automotive grade gears. The transmission is powerful, smooth, quiet and durable.

Imported brand O-rings

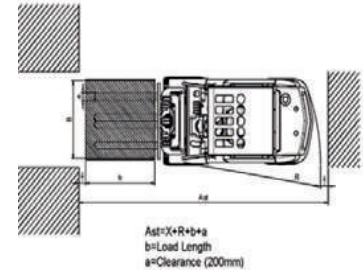
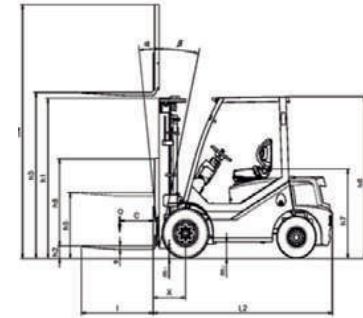
Japanese brand NOK O-rings prevent oil leakage with high resistance to a hot & cold environment. Sealed hydraulic oil cover plate greatly reduces contamination.

Toyota 1DZ engine



TL SERIES: FD25/FD30/FD35 Specification sheet

TECH B4-R2 DATA	NO.	MANUFACTURER	REMARK	CTPOWER	CTPOWER	CTPOWER
	1	Series	Series	TL	TL	TL
	2	Model	Model	FD25	FD30	FD35
	3	Capacity	Q Weight	kg	2500	3000
	4	Load Center	C Distance	mm	500	500
	5	Power type	Diesel, Gasoline, LPG, Battery	Diesel	Diesel	Diesel
	6	Driving position	Standing/sitting	Sitting	Sitting	Sitting
	7	Tyres	P=Pneumatic line S=Solid line	Front/rear	P/P	P/P
DIMENSIONS	8	Wheels (x:driving distance)	Quantity	Front/rear	2x2	2x2
	9		H3 Standard lifting height	mm	3000	3000
	10	Duplex standard mast	H2 Standard free lift	mm	45	50
	11		H5 Container full free lift	mm	840	840
	12	Backrest height	H8 Backrest height	mm	1260	1260
	13	Standard Forks	Thickness/Width/Length	mm	45 x 100 x 1070	50 x 122 x 1070
	14	Tilting angle	Front/ Rear	deg.	6° 12°	6° 12°
	15		L2 Overall length without forks	mm	2580	2715
	16		B Overall width (tyre)	mm	1155	1295
	17		H1 Min. height with closed mast	mm	2090	2090
	18	Overall length	H4 Max. height with extended mast (without backrest)	mm	3735	3735
	19		H4 Max. height with extended mast (with backrest)	mm	4225	4220
	20		H6 Height of overhead guard	mm	2195	2220
	21		H7 Height of the seat	mm	1140	1150
	22		B3 Width of carrier	mm	1024	1150
	23	Turning radius	R	mm	2280	2410
	24	Load distance-F	X From forks to front load axle	mm	480	485
	25	Right angle stacking aisle	AST Pallet 800x1200/1000x1200	mm	3765 3965	3870 4070
PERFORMANCE	26	Speed	Travel speed: Full load	km/h	16	16
	27		Travel speed: Off load	km/h	17	17
	28		Lifting speed: Full load	mm/s	550	450
	29		Lifting speed: Off load	mm/s	600	500
	30		Lowering speed: Full load	mm/s	580	410
	31		Lowering speed: Off load	mm/s	550	370
	32	Drawbar pull	Full load	N	20400	21200
TRUCK	33		Off load	N	10800	11500
	34	Gradeability	Full load	%	20	20
	35		Off load	%	20	20
	36	Service weight		kg	3820	4500
	37					4910
	38		Quantity (Front/rear)		2 2	2 2
	39	Tyres	Front tyre dimension		7.00-12-12PR	8.15-15-14PR
DRIVING SYSTEM	40		Rear tyre dimension		6.00-9-10PR	6.50-10-10PR
	41	Wheel base	Y	mm	1600	1700
	42	Wheel tread	Wheels center Front	mm	970	1055
	43		Wheels center Rear	mm	985	985
	44	Ground clearance	m1 Min. of full load	mm	110	110
	45		m2 Full load wheel base center	mm	190	215
	46	Brakes	Driving brake (foot)		Foot hydraulic brake	Foot hydraulic brake
	47		Parking brake (foot)		Hand mechanical brake	Hand mechanical brake
	48	Battery	Voltage	V	12	12
	49		Capacity	AH/20HR	80	80
	50		Dimension	mm	L305xW173xH225	L305xW173xH225
	51	Engine	Weight	kg	22	22
	52		Manufacturer		Toyota	Toyota
	53		Model		1DZ-III	1DZ-III
	54		Maximum power		36KW@2400rpm	36KW@2400rpm
	55	Transmission	Maximum talk	N	150Nm@2000rpm	150Nm@2000rpm
	56		Configuration		4 cycle, water cooled, indirect injection	4cycle, water cooled, indirect injection
	57		Mode of gear		Electronical	Electronical
	58		No. of gears	no.	1 1	1 1
	59	Fuel consumption		g/kw.h	266	266



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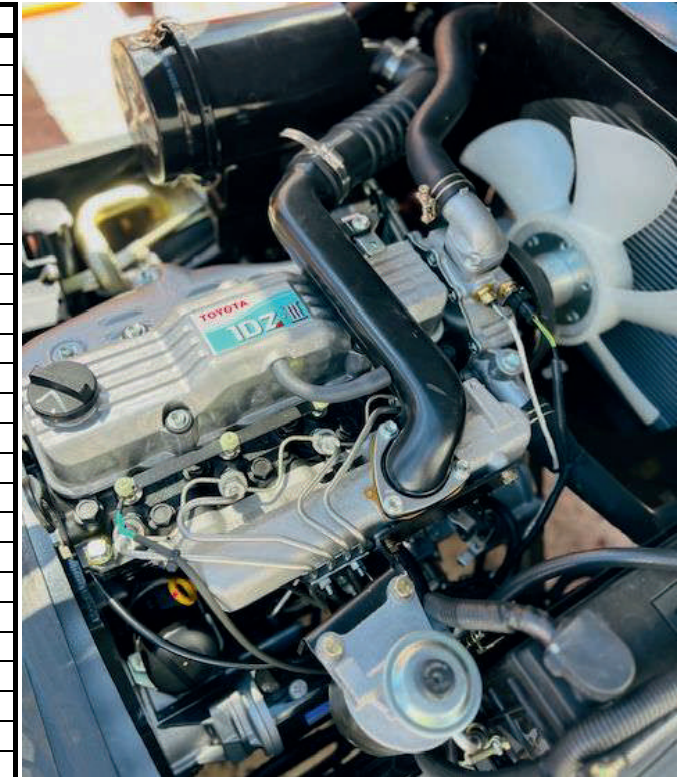
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ENGINE SPECIFICATIONS		
MANUFACTURER		TOYOTA INDUSTRIES CORPORATION
ENGINE MODEL		Toyota 1DZ-III
APPLICATION		FORKLIFT
CONFIGURATION 4 CYCLE, WATER COOLED, INDIRECT INJECTION	NO. OF CYLINDERS - BORE x STROKE	4-86mm x 107mm
	DISPLACEMENT	2486cm ³
	COMBUSTION SYSTEM DESCRIPTION	SWIRL CHAMBER
	ASPIRATION	NATURAL
	COMPRESSION RATIO	21,5
ENGINE PERFORMANCE	MAX. POWER	36KW@2400rpm
	MAX. TORQUE	150NM@2000rpm
	LOW SPEED TORQUE	143Nm@1000rpm
	IDLE STALL TORQUE	121Nm@550rpm
	FUEL CONSUMPTION @Rated point	266g/kWh
	MINIMUM FUEL CONSUMPTION/ FULL LOAD	252g/kWh/1600rpm
	OIL CONSUMPTION @ Rated point	20g/h
	EXHAUST GAS TEMPRETURE	less than 779°C
	IDLE SPEED	790+-25rpm
	NO LOAD MAX ENGINE SPEED (NMR)	2620rpm
DRY WEIGHT: ENGINE ASSY		182kg/ ALT 50A
DIMENSIONS (LxWxH)		606x497x703mm
ROTATION DIRECTION		COUNTER CLOCKWISE VIEWED FROM FLYWHEEL
VALVE ARRANGEMENT		OVERHEAD VALVE
COMPRESSION PRESSURE		more than 3.30MPa
VALVE CLEARANCE (@ENGINE WARM-UP)		IN 0.20+-0.05mm EX 0.36+-0.05mm
FIRING ORDER		1-3-4-2



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7L SERIES
DIESEL



The large 5T - 10T 7L series are strong, durable, offering proven safety, comfort and superior performance. The combination of standard electronic throttle control, full hydraulic steering system, and automatic dual speed transmission provides leading performance and making handling large forklifts a breeze.

7L SERIES: FD50/FD70/FD80/FD100 Specificaiton sheet

TECH DATA	1	Manufacturer			CT POWER			CT POWER			CT POWER			CT POWER			CT POWER			
	2	Model			FDL50			FD60			FD70			FD80			FD100			
	3	Capacity		Kg	5000			6000			7000			8000			10000			
	4	Load center		mm	600			600			600			600			600			
	5	Power type			Diesel			Diesel			Diesel			Diesel			Diesel			
	6	Control type			Sitting			Sitting			Sitting			Sitting			Sitting			
	7	Tire	P=Pneumatic		Front/Real			P/P			P/P			P/P			P/P			
	8	Wheels （xdriving）	Number		Front/Real			4X/2			4X/2			4X/2			4X/2			
DIMENSIONS	9	Lift height		I	mm	3000			3000			3000			3000			3000		
	10	Fork size	L*W*D	N*E*M	mm	1220×60×150			1220×60×150			1220×65×150			1370×75×150			1370×85×175		
	11	Mast tilting angle （Front/Real）		α-β	Deg	6°-12°			6°-12°			6°-12°			6°-12°			6°-12°		
	14	Total width		A	mm	2040			2040			2040			2060			2260		
	15	Mast height - without load		J	mm	2500			2500			2615			2685			2840		
	16	Overhead guard height		V	mm	2450			2450			2450			2520			2540		
	17	Min turning radius - outside		G	mm	3270			3320			3385			3735			3900		
	18	Max. height		H	mm	4420			4420			4420			4420			4330		
21	Total length		R	mm	4680	4680	4680	4755	4755	4755	4815	4815	4815	5475	5475	5475	5675	5675		
PERFORMANCE	22	Speeds	Travel speeds: with load /without load		Km/h	22/24	26/28	26/28	22/24	26/28	22/24	22/24	26/28	22/24	22/24	26/28	22/24	24/26	26/30	
	23		Lift speeds: with load /without load		Mm/s	500/550	520/550	420/550	500/550	400/550	500/550	4600/550	360/450	460/500	460/560	440/550	460/500	380/410	310/400	
	24		Lowering speed: with load /without load		Mm/s	?			>300/<600			>300/<600			>300/<600			>300/<600		
	25	Max. traction power		with load	N	54000	68200	53000	54000	53000	54000	53000	52000	53000	54000	53000	54000	54000	53000	
	26	Max. gradeability		with load/without load	%	35/20	35/19	20/20	32/20	20/20	32/19	30/20	20/20	30/19	26/22	22/22	26/22	24/21	20/20	
	27	Service weight		Kg	8300	8790	8300	8800			9300			10600			12800			
	WHEEL & TYRE	28	Tyres	Number(Front/Real)			4X/2			4X/2			4X/2			4X/2			4X/2	
29		Front one size		AA	8.25-15-14P.R.			8.25-15-14P.R.			8.25-15-14P.R.			8.25-20-14P.R.			9.00-20-14P.R.			
30		Real one size		AB	8.25-15-14P.R.			8.25-15-14P.R.			8.25-15-14P.R.			9.00-16-14P.R.			9.00-20-14P.R.			
31		Wheelbase		P	mm	2250	2250	2250	2250	2250	2250	2350	2350	2250	2600	2600	2250	2800		
32		Tread		Front/Real	C/F	mm/mm	1475/1700			1475/1700			1475/1700			1530/1700			1600/1700	1600/1700
33		Ground clearance	Mast	m1	mm	200			200			200			260			245		
34			Center of wheelbase	m2	mm	245			245			245			260			320		
35		Brakes	Type		Hydraulic			Hydraulic			Hydraulic			Hydraulic			Hydraulic			
36	Type			Hand			Hand			Hand			Hand			Hand				
ENGINE & TRANSMISSION	37	Engine	Supplier			ISUZU	CHAOCHAI	XICHAI	ISUZU	CHAOCHAI	XICHAI	ISUZU	CHAOCHAI	XICHAI	ISUZU	YUCHAI	XICHAI	YUCHAI	XICHAI	
	38		Type			6BG1	6102BG	CA4DF3	6BG1	6102BG	CA4DF3	6BG1	6102BG	CA4DF3	6BG1	6108	CA4DF3	6108	CA4DF3	
	39		Rated power		kw	82/2000	81/2500	85/2000	82/2000	81/2500	85/2000	82/2000	81/2500	85/2000	82/2000	92/2200	85/2000	92/2200	85/2000	
	40		Rated speed		rpm	415/1400-1600	353/1650	460/1400/1500	415/1400-1600	353/1650	460/1400/1500	415/1400-1600	353/1650	460/1400/1500	415/1400-1600	460/1400-1600	460/1400/1500	460/1400-1600	460/1400/1500	
	41		Cylinder quantity/displacement		--/cc	6.494	5.785	4.75	6.494	5.785	4.75	6.494	5.785	4.75	6.494	6.871	4.75	6.871	4.75	
	42		Full load minimum fuel consumption rate		g/Kw.h															
	43	Transmission		Type	Hydraulic/Hand			Hydraulic/Hand			Hydraulic/Hand			Hydraulic/Hand			Hydraulic/Hand			
	44	Servo pressure			kg/cm															

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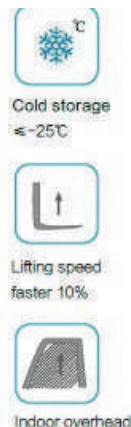
8L SERIES

1.5-3.5T 



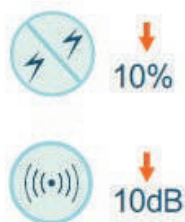
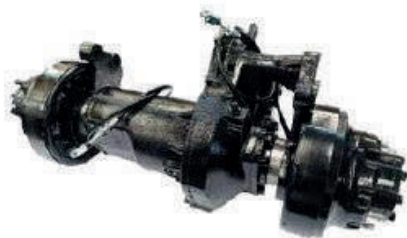
The Lithium-ion battery 8L series 1.5-3.5T electric 4-wheel forklift, built with simplistic design, quiet, compact with a small radius & offers great handling. Easy to maintain, dependable & reliable!

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Ergonomic design

The whole vehicle has been designed under the Toyota Industries Group ergonomic philosophy. The perfect joystick integrated control area, with the right dashboard design improves comfort & convenience.



Integrated transmission

Drive axle & gearbox integrated structure, lower noise, compared with similar forklift noise reduced by 10dB, vibration reduced by 10%, more stable operation & comfortable for the driver.



LED lamps

Last longer than traditional halogen lamps, which provide better lighting when indoor lighting is low or when operating at night.

Blue safety light

Will cast a blue aperture about 3m behind the forklift. Alert pedestrians that there is a forklift backing up in front to ensure safety & preventing accidents.

Multi-functional instrument

Displays speed, electricity detection, service time, seat automatic power switch & operation information & automatic aeromatic detection display.

7 Layer durable chain

Strong & durable with a high safety performance.

	7L	8L
Dimension		
Easy to operate steering	1kg	0.5kg



Smaller diameter steering wheel

30cm - reducing the driver's arm range motion, improving operation convenience.



Smaller tyres

Increased tyre width, enhancing smoother run

Automatic speed deceleration

To avoid the risk of forklift tipping & personal injury accident if the operator does not decelerate actively when the forklift is turning, and the cargo falls due to the inheritance.

Smaller turning radius

Providing flexible performance & the best choice for narrow areas.

Standard specification

- High efficiency and high power AC drive motor
- New integrated low noise transmission
- Multi-function combination dash board
- Walking, lifting and steering are all controlled by computer
- LED headlight, steering indicator light, LED back combined tricolor light
- Emergency power off switch
- Reverse buzzer
- Small diameter steering wheel
- Get on and off handrail
- Reverse handrail
- Left and right mirrors
- Integrated frame body
- two stage 3m standard mast
- Full hydraulic power steering
- Drop intelligent buffering
- Traction pin
- CAN wire
- Low noise gear oil pump
- Off-seat power switch
- Blue light warning light
- Turn automatic deceleration function

Optional specification

- Rear LED light
- Super elastic solid tire
- Non marking white solid tire
- Suspension seat
- Widen cargo fork carrier
- Widen or raise the backrest
- Forks of optional length
- Duplex FFL mast
- Triplex FFL mast
- Other attachment
- Fan
- Fire extinguisher
- Camera
- Anti drop solenoid valve
- Voice prompt for reversing

Li-ion forklift Options

Tonnage	standard or optional	Voltage	Capacity	Charger		
				100A	150A	200A
FBL15	Standard	51.2	300	●	○	○
	Optional		350	●	○	○
	Optional		405	●	○	○
	Optional		450	●	○	○
FBL18	Standard	51.2	300	●	○	○
	Optional		350	●	○	○
	Optional		405	●	○	○
	Optional		450	●	○	○
FBL20	Standard	51.2	300	●	○	○
	Optional		350	●	○	○
	Optional		405	●	○	○
	Optional		450	●	○	○
FBL25	Standard	51.2	300	●	○	○
	Optional		350	●	○	○
	Optional		405	●	○	○
	Optional		450	●	○	○
FBL30	Standard	83.2	300	●	○	○
	Optional		350	●	○	○
	Optional		405	●	○	○
	Optional		450	●	○	○
FBL35	Standard	83.2	300	●	○	○
	Optional		350	●	○	○
	Optional		405	●	○	○
	Optional		450	●	○	○

● Standard ○ Optional

Seat safety “power off” switch

If the driver leaves the seat, the forklift will automatically cut power. Additionally, the mast cannot be raised or lowered while the driver is away, nor can the forklift move without them.

Integrated uni-body frame

Bolt-free, unibody frame increasing strength by 20%, allowing sturdy durability & operation on uneven ground & curved roads for lengthy periods.

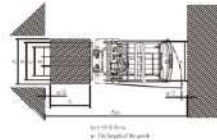
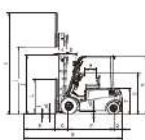
Battery

Lead-acid battery and lithium-ion battery can be used interchangeably.

8L SERIES: FB20/FB25/FB30/FB35 Specifacaiton sheet

TECH DATA	NO.	FACTORY	REMARK		CTPOWER	CTPOWER	CTPOWER	CTPOWER
	1	Model	Series		8L	8L	8L	8L
	2	Model	Model		FB20 FBL20	FB25 FBL25	FB30 FBL30	FB35 FBL35
	3		System	AC	AC	AC	AC	AC
	4	Capacity	Weight	KG	2000	2500	3000	3500
	5	Load Center	Distance	mm	500	500	500	500
	6	Power type	Battery		Battery	Battery	Battery	Battery
	7	Control type	Seat		Seat	Seat	Seat	Seat
	8	Tyres	P=Pneumatic line S=Solid line		P(S)/P(S)	P(S)/P(S)	P(S)/P(S)	P(S)/P(S)
DIMENSIONS	9	Wheels	Quantity (Front/ Rear)		2 2	2 2	2 2	2 2
	10	Standard	H3 Standard lifting height	mm	3000	3000	3000	3000
	11	Duplex	H2 Normal free lift	mm	45	45	50	50
	12	Mask	H5 Full free lift	mm	1500	1500	1500	1500
	13	Forks carrier	H8 Forks carrier stature	mm	1220	1220	1220	1220
	14	Standard Forks	Thickness/Width/Length	mm	45 x 100 x 1070	45 x 100 x 1070	45 x 122 x 1070	50 x 122 x 1070
	15	Tilting	Front/ Rear	deg.	6 12	6 12	6 12	6 12
	16	Dimensions	L2 Overall length without forks	mm	2270	2325	2465	2490
	17		B Overall width	mm	1160	1160	1380	1380
	18		H1 Min. height with closed mast	mm	2100	2100	2110	2110
	19		H4 Max. height with extended mast	mm	4220	4220	4220	4220
	20		H6 Height of overhead guard	mm	2100	2100	2230	2230
	21		H7 Height of the seat	mm	1055	1055	1150	1150
	22	Turning radius	R	mm	2020	2100	2245	2300
	23	Load distance-F	X From forks to front wheel axle	mm	455	455	460	465
	24	Load distance-R	From tail of counter weight to rear wheel axle	mm	286	362	325	345
	25	Right angle stacking aisle	AST Pallet 800x1000/1200	mm	3671 3871	3750 3950	3905 4105	3965 4165
PERFORMANCE	26	Speed	Driving speed: Full load/idle	km/h	14 14	14 14	12 14	12 14
	27		Lifting speed: Full load/idle	mm/s	285 440	285 440	250 410	210 400
	28		Lowering speed: Full load/idle	mm/s	460 420	460 420	460 420	460 420
	29	Max. traction	KN Full load	KN	10	10	15	15
	30	Gradeability	% Full load	%	15	15	15	15
WHEEL & TYRE	31	Service weight	Including battery	kg	3853	4200	4785	5350
	32	Tyres	Number (Front/rear)		2 2	2 2	2 2	2 2
	33		Front AA		23x9-10-16PR	23x9-10-16PR	23x10-12-16PR	23x10-12(S)
	34		Rear AB		18x7-8	18x7-8	18x7-8-14PR	18x7-8(S)
	35	Wheelbase	Y	mm	1525	1525	1680	1680
	36	Tread	Wheels center Front/Rear	mm	970 925	970 925	1124 960	1124 960
	37	Ground clearance	Full load	mm	110	110	110	110
	38		Wheel base center	mm	120	120	120	120
	39	Brakes	Pedal service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
	40		Handing service brake		Mechanic	Mechanic	Mechanic	Mechanic
BATTERY & MOTORS	41	Battery	Voltage	V	48 51.2	48 51.2	80 83.2	80 83.2
	42		Standard Capacity	AH	560 450	560 450	480 450	560 450
	43		High Capacity	AH	640 /	640 /	560 625 /	625 /
	44		Battery Size (L/W/H)	mm	L985xW600xH636 L985xW590xH536	L985xW600xH636 L985xW590xH536	L1052xW787xH765 L1017xW701xH565	L1052xW787xH765 L1017xW701xH565
	45		The weight base on standard capacity	kg	945 345	945 345	1261 470	1465 470
	46		The weight base on high capacity	kg	1051	1051	1465 1545	1545
	47	Motor	Traction Motor (AC)	Kw	11	11	12	12
	48		Hydraulic Moto (AC)	Kw	11	11	15	15

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E^SERIES

LI-ION TECHNOLOGY **2.0-3.5T**

The newest design features a more compact form, allowing for flexible indoor maneuverability. The controller and motor employ a complete AC system, which boosts efficiency and offers extensive protection.



Low carbon, clean energy, and environmental protection

This solution features silent operation, rapid charging, and the flexibility to use at any time. Usage of lithium-iron batteries with various options available to cater to diverse requirements. Experience the fastest battery charging time of just 1.5 hours for a full charge.

Integrated Frame

No bolts, fully welded, 20% increased strength, safe, sturdy, and durable for uneven ground.

Comfortable Seats

Adjustable front and rear by 30 degrees for improved driver comfort; includes pouch for files.

Seat Safety Switch

Automatic power off prevents mast lift and movement if the driver leaves the seat.

LCD Display

Battery indicator with time and self-fault diagnosis functionalities.

Adjustable Steering Wheel

Adapts to various body types and operating habits.

Wide View Mast

Provides good front visibility for different body types and operating habits.





Manufactured by
Global-Power Co., Ltd
TOYOTA INDUSTRIES GROUP

E^SERIES

LI-ION TECHNOLOGY 2.0-3.5T

Maintenance

High universality of components leads to reduced maintenance costs.

Oil pump motor positioned at the bottom of the battery for easy removal.

Electric components integrated under the seat and foot pedal for easier detection and disassembly.

Side controller panel designed for easy installation, maintenance, and enhanced protection.

Lithium battery is maintenance-free, further lowering costs.



Product features

Improved safety with an emergency stop switch and overload settings.

Optimized wide-view mast designed for better visibility.

Professional-grade waterproof connectors for outdoor use.

Convenient external charging port for easy access.

Separate controller and motor design for effective temperature control.

Hydraulic oil tank cools using the truck body, enhancing reliability.

Built-in relief valve with high-quality OMRON switch for durability.

High-speed gearbox ensures low noise and stable performance.

Boltless IC chassis for enhanced safety and durability.

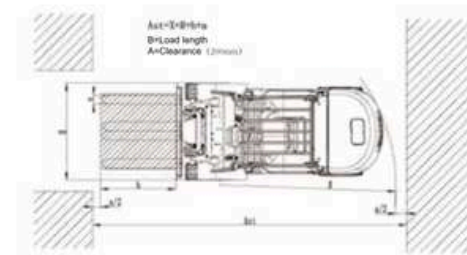
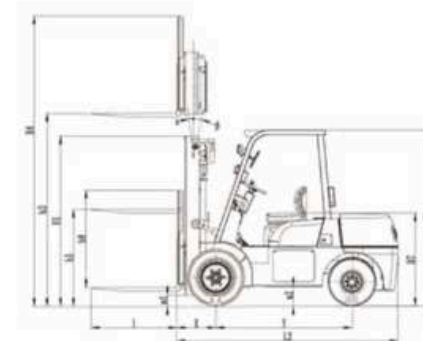
Excellent off-road performance for driving on uneven surfaces.

CHARACTERISTICS	1	Manufacturer				CTPOWER	CTPOWER	CTPOWER	CTPOWER
	2	Series				II	II	II	II
	3	Model				FBD20	FBD25	FBD30	FBD35
	4	Capacity	Q	Load	kg	2000	2500	3000	3500
	5	Load center	C	Distance	mm	500	500	500	500
	6	Power type				Lithium battery	Lithium battery	Lithium battery	Lithium battery
	7	Operation type				Seated	Seated	Seated	Seated
	8	Tire type		P=Pneumatic S=Solid	front/rear	P (S) / P (S)	P (S) / P (S)	P (S) / P (S)	P (S) / P (S)
	9	Wheels (X:driven)		Number	front/rear	2/2	2/2	2/2	2/2
DIMENSIONS	10	Lift at 2-stage mast	h3	Lift	mm	3000	3000	3000	3000
	11		h2	Standard free lift	mm	45	45	45	50
	12		h5	Optional free lift(Unblocked shelf)	mm	810	810	810	810
	13		h5	Optional free lift	mm	1500	1500	1500	1500
	14	Load bracket	h8	Height of load bracket	mm	1220	1220	1220	1220
	15	Fork size		Thickness(s)xWidth(e)xLength(l)	mm	45 × 100 × 1070	45 × 100 × 1070	45 × 122 × 1070	50 × 122 × 1070
	16	Mast tilting angle		Forward(°)/Back(°)	deg	6/12	6/12	6/12	6/12
	17	Overall dimensions	L2	Length to face of forks	mm	2575	2575	2770	2875
	18		B	Total width	mm	1158	1158	1280	1280
	19		h1	Mast height lowered	mm	2100	2100	2100	2100
	20		h4	Mast height extended	mm	4220	4220	4220	4220
	21		h6	Overhead guard height	mm	2150	2150	2170	2170
	22	Turning radius	R	Seat height	mm	1150	1150	1145	1145
	23	Load distance	X	Forks to front load axle	mm	2320	2320	2590	2640
	24	Rear Overhang		Distance From Rear Axle To End	mm	475	475	485	490
	25	Aisle width	Ast	For load 800x1200/1000x1200	mm	550	550	585	585
PERFORMANCE	26	Speeds		Travel speed: Full load/Off load	km/h	4000/4200	4000/4200	4280/4480	4330/4530
	27			Lifting speed: Full load/Off load	mm/s	13/15	13/15	11/13	11/13
	28			Lowing speed: Full load/Off load	mm/s	330/400	330/400	250/330	230/330
	29	Drawbar pull		Full load	KN	550/580	540/580	370/440	390/440
	30	Gradeability		Full load	%	14	14	15	15
weight	31	Service weight			kg	15	15	15	15
	32			number	front/rear	3500	3650	4130	4340
	33	Tire size		front		2/2	2/2	2/2	2/2
	34			rear		7.00-12-12P.R.	7.00-12-12P.R.	28*9-15-14P.R.	28*9-15-14P.R.
CHASSIS	35	Wheel base	Y		mm	6.00-9-10P.R.	6.00-9-10P.R.	6.50-10-10P.R.	6.50-10-10P.R.
	36	Tread		Center distance of two tires	mm	1550	1550	1700	1800
	37	Ground clearance	m1	at lowest point	mm	970/985	970/985	1055/985	1055/985
	38		m2	center of wheelbase	mm	105	105	110	110
	39	Brake		Driving brake		200	200	220	220
	40			Parking brake		Foot-hydraulic brake	Foot-hydraulic brake	Foot-hydraulic brake	Foot-hydraulic brake
POWER	41			Hand-mechanical brake		Hand-mechanical brake	Hand-mechanical brake	Hand-mechanical brake	Hand-mechanical brake
	42	Battery		voltage	V	80	80	80	80
	43			capacity(Standard Battery)	Ah/5hr	280	280	280	280
	44			capacity(High Performance)		350	350	350	350
	45			Dimension	mm	L742 × W510 × H320	L742 × W510 × H320	L742 × W510 × H320	L742 × W510 × H320
	46	Motor		Weight(Standard Battery)	kg	180	180	180	180
	47			Weight(High Performance Battery)	kg	208	208	208	208
	48			Drive Motor	kW	10	10	10	10
	49	Controller		Lift Motor	kW	12	12	12	12
				Controller manufacturers		Superec	Superec	Superec	Superec

* Specifications subject to change without notice.

FBD20-35 Lithium-ion Battery

Battery	Voltage (V)	Capacity (AH)	
	80	280	●
		350	○
	● Standard ○ Optional		



7L SERIES

THREE WHEELER

The 3-wheel models are especially suitable for narrow aisles & tight spaces.

Front dual drive motor system

The left & right drive wheels are powered & controlled by independent motors, allowing the wheels to rotate in opposite directions during tight turns.

Advanced AC drive system

Advanced ZAPI AC Controller with intelligent torque control uses regenerative braking for both forward & reverse.

Full hydraulic steering system

Offering a lighter, more, flexible steering with reduced turning radius.



MODEL			FB15	FB18	FB20	FB25	FB30	FB35	FBT15	FBT18
SYSTEM	AC2		AC2	AC2	AC2	AC2	AC2	AC2	AC2	AC2
CAPACITY	Q RATED LOAD	kg	1500	1800	2000	2500	3000	3500	1500	1800
LOAD CENTER	C DISTANCE	mm	500	500	500	500	500	500	500	500
STANDARD DUPLEX	H3 STANDARD LIFTING	mm	3000	3000	3000	3000	3000	3000	3000	3000
MAST	h5 FULL FREE LIFTING	mm	1500	1500	1500	1500	1500	1500	1500	1500
TILTING	FRONT/REAR		6/12	6/12	6/12	6/12	6/12	6/12	6/6	6/6
DIMENSIONS	L2 OVERALL LENGTH WITHOUT FORKS	mm	2060	2060	2230	2300	2450	2645	1940	1940
	B OVERALL WIDTH mm		1065	1065	1158	1158	1280	1280	1065	1065
	h6 HEIGHT OF OVERHEAD GUARD	mm	2060	2060	2190	2190	2150	2150	2070	2070
TURNING RADIUS	R	mm	1900	1900	2100/2110	21320/2150	2150	2420	1570	1590
BATTERY	VOLTAGE	V	48	48	48	48	80	80	48	48
	CAPACITY	AH/5HR	500	500	600	600	500	600	525	525

WAREHOUSE **EQUIPMENT**



Electric Reach Truck (Standing)

AC controller with voltage and temperature protection and vertical drive.

EPS (Electric Power Steering) provides easy control and handling.

Mast with limit switch function limits the traversing speed when lifting and lowering the forks above 30cm to improve safety.

Must activate foot pedal switch to control the unit, increasing safety.

Shock absorption beneath the flip down platform effectively dampens vibration, ensuring smooth traveling.

Driver's back rest and arm rest provide enhanced comfort.

Electric Reach Truck (Sit-Down)

Curtis AC controller with voltage current and temperature protection, maintenance free. All-wheel Brake System provided effective braking on slippery surfaces and cold storage. Full AC System and brush-less motor allows the truck to improve the efficiency and energy-saving especially on heavy working condition.

Large front wheel design with balance wheels on both sides and elevated chassis allows the truck to be operated on uneven surfaces while maintaining balance.

Slope assist control system provides reverse force to prevent the vehicle sliding while operation on slopes.



WAREHOUSE EQUIPMENT

Electric Pallet Truck

Curtis AC controller with voltage, current, temperature and short-circuit protection, maintenance free.

Standard EPS (Electric Power Steering) provides easy control and handling. Innovative structural design can accommodate customized forks with total external width between forks at up to 880mm.

Floating antiroll bar in the drive system enhances force distribution and improves turning.

Automatic braking and shut-off when releasing or pressing the control handle lever all the way prevents accidents from happening, such as when the unit goes out of control or when operating on a slope.

Built in turtle switch facilitates operation in tight spaces and increases safety. Side-loading battery compartment for easily and quickly changing the battery.



Electric Pallet Truck (ETU 15 Series)

DC controller offers high price-performance ratio.

Compact size, small turning radius, and low center of gravity for easy operation.

Ergonomic control handle with fingertip control on the right and battery status LED on the left for easy access, and automatically returns to original position when released.

Built in turtle switch facilitates operation in tight spaces and increases safety.

Permanent magnet drive is compact, light and offers high efficiency. Driving speed will be reduced automatically when lifting beyond 3M to improve safety.



TOYOTA PRODUCTION SYSTEM



CT POWER

Product of Global-Power Co., Ltd

 TOYOTA INDUSTRIES GROUP



FACTORY: QINGDAO CITY - SHANDONG PROVINCE - CHINA



Product of Global-Power Co., Ltd



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