

MADE IN TAIWAN



ARTISON FORKLIFT  
CE ISO9001:2008



TAIPIIN INDUSTRY CO.,LTD

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EDITION: 04

AGENT:

Taipei was established in 1973 and start to produce its own forklift brand "ARTISON" in 1990.  
Artison cover all range of forklift trucks capacity from 1.5 ton to 10 ton include diesel, gasoline and electric. All series of product has been approved with ISO 9001 and CE.

Taipei industry has been pursuing untiringly the perfect product quality and innovation, to make the company grow forever. Artison forklift truck contain "Good Quality", "Safety" and "Great Performance" characteristics. To satisfy the customer's need has been Taipei's most solemn responsibility and expectation. Therefore we attach particular importance to improving the quality of the product, make our forklift truck more competitive in the market. Artison forklift truck has been sell success worldwide and possession of a certain market share.

Artison is your best business partner!

#### The luxurious operation room equipped with ergonomics

The operation room of ARTISON forklift has been considered to be ergonomic and fancy fashion. Long time operation won't even make you easily fatigue. It appears as driving a luxurious sedan.

#### New type power steering wheel

Small and exquisite power steering wheel is easy to operate and won't require strenuous effort.

#### Tough axle

The front/rear axle can support easily the heavy load for a long time.

#### Reinforced overhead guard

Tough enough, Sight-clear overhead guard, confirming ISO, the international safety standard and ANSI..and so on.



#### High rigid chassis

Unibody construction helps hold the entire frame intact and rigid from irregular driving surfaces, long and uneven loads.

#### Streamlined modeling

Streamlined round modeling, even being operated in a narrow place, can turn round easily.

#### Full hydraulic steering system

It offers precision steering feature, increases the operation flexibility.

#### High efficiency transmission system

New automatic transmission with the minimum vibration, long service life and easy operation.



▶ **Precision whole hydraulic steering system**

The rear wheel steering shaft is kind of steering hydraulic cylinder fixed at the middle. The steering hydraulic cylinder hides itself inside of the rear steering shaft that prevents from being damaged. Meanwhile, it offers the power steering function the precision, accuracy and laborsaving effect. The rear wheel steering is fixed by its own momentum, which reduces its wearing and vibration.



With its cool appearance confirming the ergonomics and its superior features of the innovation, The truck reflects the characteristics of sound deliberation and of never being in hurry.

◀ **The hydraulic safety valve**

The forks can adjust its lowering speed versus the load automatically and prevent the hydraulic pipes from being broken and an accident from occurring due to its forks losing control.



◀ **Super hard lifting mast**

The lifting mast, installed in front of the truck, is made of the high class steel make by German HOESCH. Under any bad working environment, it still can keep its strength and hardness. This avoids you from the need to overhaul or replace its parts every three years, like in other brands.



◀ **Adjustable seat**

The seat can be adjusted to front / rear according to the operator's need, which is practical and comfortable.



◀ **With wide-view design for better productivity**

A good view is essential for safe operation and also an important fact for promoting working efficiency. Wide-view mast and the safe bracket are all sprayed with black paint, avoiding beams refracting, which helps vision in return.



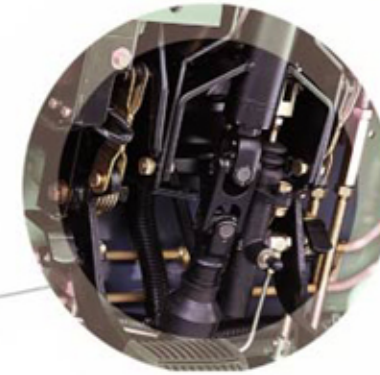
▼ **The electric display panel**

Through the fresh and clear electric display, you can easily see the current working condition in the shortest time.



◀ **With universal joint reducing the uncomfortable feeling due to vibration**

The universal joint links the hydraulic steering motor and wheel. Its angel is not only adjustable according to individual's need, but can also reduce the operator's fatigue by preventing the vibration of the trucks from transmitting to the operator's arms.



◀ **Tilting steering column**

The steering column tilts for perfect driver ergonomics.





▶ **The closed design of the hood and muffle material**

The hood design is kind of closed one. The counter weight is designed as external open and streamlined. The inside of the hood is attached with heat-insulation, noise-muffling material, which can reduce the annoying noise to the minimum level and insulate the heat efficiently from the engine room.



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◀ **Braking shoes, adjusting gap automatically**

The wide and non-slate braking shoes, driven by dual-directional hydraulic braking pumps, offers smooth, efficient and durable stop mechanism.



◀ **Hydraulic steering motor**

The priority valve inside of the hydraulic control system, when the hydraulic motor is in operation, will supply the hydraulic pressure oil first, to make the operation more safe and labor-saving.



◀ **New design for the automatic gear-shift control lever (only for automatic model)**

The automatic gear shift lever is separated from the steering shaft. So the operation is more easy. The neutral locking can avoid the operator from starting the engine by erroneously shifting the Fore/Reverse gear.



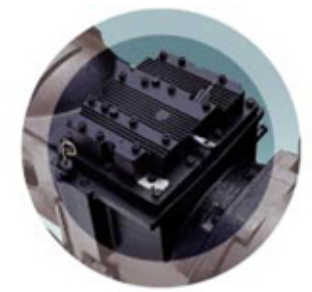
◀ **Hydraulic control system**

When the steering wheels is not in operation, this system will cut the floating of the hydraulic oil to the pipes for turning mechanism and make the oil stay in the lift cylinders, which can evidently increase the lifting speed and productivity.



◀ **TXL50 automatic transmission**

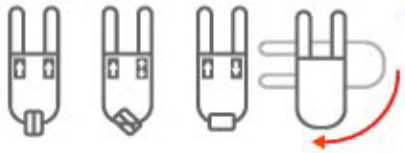
ARTISON series, of 4.0-5.0 tonnage, uses the TXL50 automatic transmission and is equipped with power-aided braking. The perfect matching among engine, transmission and the driving axes makes you move a heavy load swiftly and easily. The unique PTO design can let the hydraulic pump mounted directly on the transmission. Which design makes the maintenance and fixing more easy.



▶ **Durable transmission for using 10 years**

The transmission used in the ARTISON forklift is the excellent outcome of the Taipei R&D team's own development. Its flexibility and durability overpasses other competitors. Meantime, it posses equipment like the high-pressure cleaning machine, no-dust assembly room and running test machine...etc. which get rid of the rips and assure having no micron dust in the transmission while being assembled and test run the truck after assembly. This supreme assembly procedure and strict product quality control enables the transmission of ARTISON to be so durable that it can be used at least for 10 years. The quality doesn't yield to the one of any top transmission manufacturer in the world. Meanwhile, it is also the landmark the liftruck manufacturing industry can't overpasses.

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### ◀ Front dual drive motor system

The right and left drive wheels are on separate motors allowing them to rotate in opposite directions to assist in tight radius turns.



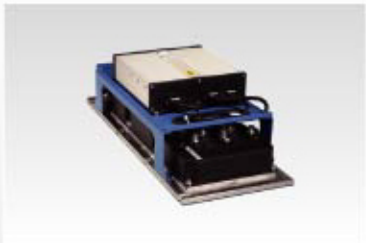
### ◀ Intelligent multi-function display

This one display shows driving speed, battery charge, total hours, operator information and all warnings, all in one compact instrument.



### ◀ Hydraulic pump motor

AC hydraulic pump motor (15KW) can be adjusted to low output to provide sufficient power for turning and other hydraulic functions.



### ◀ AC system

The AC controller with Intelligent Torque Control uses regenerative braking in both forward and reverse direction. Our controller delivers sensitive response, low maintenance and noise and accurate speed control.

### ◀ SME controller

Features with sensitive response, low maintenance, Regeneration braking, electronic brake assist, overheat and short circuit protection



### ◀ Battery box

Battery installed on the lowest positing of chassis that enhances driving stability.



### ◀ Dual rear wheels

Dual rear wheels are standard, providing superior safety and stability when lifting and turning.



## ▼ Great performance



1. Wet disk brakes (ZF): It is sensitive and increased life cycle.



2. Transmission (ZF): Great reliability, low noise, high safety.



3. Fully hydrostatic steering system.



4. Hydraulic control lever.



5. Wide front vision.



6. Cup holder.



## Specifications

Model			FD15/18	FD20/25	FD30/35	FD40/45/50
			FG15/18	FG20/25	FG30/35	FG40/45/50
<b>Capacity</b>	Load	kg	1500/1800	2000/2500	3000/3500	4000/4500/5000
<b>Load center</b>	Distance	mm	500	500	500	600
<b>Overall Dimensions</b>	Total width(std/front wheel)	mm	1065	1158/1532	1290/1655	1450/1680
	Height mast lowered	mm	2000	2000	2000	2190
	Height mast extended	mm	4220	4220	4220	4220
	Length to face of forks	mm	2235/2280	2460/2505	2600/2860	3110/3160/3310
	Overhead guard height	mm	2070	2110	2140	2290
<b>Tires</b>	Number	front / rear	2 / 2	2 / 2	2 / 2	2 / 2
	Size	front	6.50-10-10P.R.	7.0-12-12P.R.	8.15-15-12P.R.	300-15-20P.R.
		rear	5.00-8-8P.R.	6.00-9-10P.R.	6.50-10-10P.R.	7.0-12-12P.R.

FD: Diesel FG:Gasoline

## Engine

Available Model		FD15-25	FD20-35	FD20-35	FD15-25	FD20-35	FG15-25	FG15-35	FD40-50	FG40-50
<b>Manufacturer</b>		ISUZU	ISUZU	ISUZU	YANMAR	YANMAR	NISSAN	NISSAN	PERKINS	NISSAN
<b>Model</b>		C240PKF-23	4JG2	4CG2	4TNE92	4TNE98	K21	K25	1104D-44	TB-42
<b>Output</b>	kw	34.3	44.9	44.1	33.4	44.1	32	38	56	69
<b>Speed</b>	rpm	2500	2450	2725	2725	2725	3200	3200	2200	2400
<b>No. of cylinders/ displacement</b>	--/c.c.	4 / 2369	4/ 3059	4/ 3319	4/ 2659	4/ 3319	4/ 2065	4/ 2488	4/ 4400	6 / 4169

## Electric forklift specifications

Model		FB15	FB18	FB 20	FB 25	FB 30	FBT 15	FBT 18
<b>System</b>		AC	AC	AC	AC	AC	AC	AC
<b>Capacity</b>	Rated load	kg	1500	1750	2000	2500	3000	1500
<b>Load center</b>	Distance	mm	500	500	500	500	500	500
<b>Motor type</b>	Electric (Battery)	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
<b>Dimensions</b>	Light height	mm	3000	3000	3000	3000	3000	3000
	Overall length without forks	mm	2095	2095	2330	2330	2450	1940
	Overall Width	mm	1115	1115	1200	1200	1260	1078
	Height mast lowered	mm	1985	1985	1985	1985	1985	1980
	Height mast extended	mm	4220	4220	4220	4220	4220	4220
	Height of head guard	mm	2040	2040	2150	2150	2150	2070
	Height of the seat		1030	1030	1150	1150	1150	1015
<b>Wheels</b>	Number: Front/Rear		2x/2	2x/2	2x/2	2x/2	2x/2	2x/2
	Size : Front		21 x 8 x 9-14PR	21 x 8 x 9-14PR	23 x 9-10	23 x 9-10	23 x 9-10-20PR	18 x 7-8
	Size : Rear	V	5.00-8-8P.R.	5.00-8-8P.R.	18 x 7-8	18 x 7-8	18 x 7-8	15 x 4 1/2-8
<b>Battery</b>	Battery voltage	AH/6HR	48	48	48	48	80	48
	Min. capacity		460	460	700	700	560	505
	Max. capacity	mm	600	600	750	750	600	600
	Battery box size	kw	L975xW465xH755	L975 x W465 x H755	L1028xW530xH795	L1028xW530xH795	L1126xW610xH800	L1000xW525xH620
<b>Motors</b>	Pump motor	kw	15	15	15	15	22	15
	Drive motor		8	8	8	8	9	6.5 x 2

\* This is only for your reference and not subject to notice in advance if there is any modification.

## Equipment And Accessories

● STANDARD ○ OPTIONAL

	FD15 FG15	FD20 FG20	FD25 FG25	FD30 FG30	FD35 FG35	FD40 FG40	FD45 FG45	FD50 FG50
Integral heavy duty overhead guard	●	●	●	●	●	●	●	●
Overhead air intake system	●	●	●	●	●	●	●	●
Asbestos free brake shoe material	●	●	●	●	●	●	●	●
Full hydraulic power steering	●	●	●	●	●	●	●	●
2-spool control valve with pressure relief	●	●	●	●	●	●	●	●
Horizontal brake	●	●	●	●	●	●	●	●
Power-assisted brake	●	●	●	●	●	●	●	●
Hi-visibility, wide view mast	●	●	●	●	●	●	●	●
ITA Class carriage	●	●	●	●	●	●	●	●
Load backrest	●	●	●	●	●	●	●	●
1070mm forks(Cascade Kenhar)	●	●	●	●	●	●	●	●
Electric F/R control lever	●	●	●	●	●	●	●	●
Lift and tilt levers	●	●	●	●	●	●	●	●
Parking brake lever with inter-lock	●	●	●	●	●	●	●	●
Fuel water sedimenter(Diesel)	●	●	●	●	●	●	●	●
Return hydraulic filter	●	●	●	●	●	●	●	●
Transmission oil filter	●	●	●	●	●	●	●	●
Front combination lights(turn signal, )	●	●	●	●	●	●	●	●
*Rear combination lights (turn signal,tail,brake, back-up)*	●	●	●	●	●	●	●	●
Front head lights	●	●	●	●	●	●	●	●
Operator tool kit	●	●	●	●	●	●	●	●
Side view mirrors(R/L)	●	●	●	●	●	●	●	●
Charge indicator	●	●	●	●	●	●	●	●
Engine check indicator	●	●	●	●	●	●	●	●
Engine oil pressure warning indicator	●	●	●	●	●	●	●	●
Fuel gauge	●	●	●	●	●	●	●	●
Glow indicator	●	●	●	●	●	●	●	●
Hourmeter	●	●	●	●	●	●	●	●
Neutral safety switch	●	●	●	●	●	●	●	●
Water temperature gauge	●	●	●	●	●	●	●	●
High/Low speed setting	●	●	●	●	●	●	●	●
Dual operator assist grip	●	●	●	●	●	●	●	●
Non-slip floor mat	●	●	●	●	●	●	●	●
Super-elastic solid tires	○	○	○	○	○	○	○	○
Cushion tires	○	○	○	○	○	○	○	○
Wide tread tires	○	○	○	○	○	○	○	○
Dual front wheel	○	○	○	○	○	○	○	○
High, wide type of load backrest	○	○	○	○	○	○	○	○
Wide type fork carriage	○	○	○	○	○	○	○	○
Deluxe suspension seat with seat-belt	○	○	○	○	○	○	○	○
Mast Lock system(Lift/Tilt)	○	○	○	○	○	○	○	○
Hinged forks	○	○	○	○	○	○	○	○
Tilt cylinder boots	○	○	○	○	○	○	○	○
Steel Cabin	○	○	○	○	○	○	○	○
Heater (steel cabin)	○	○	○	○	○	○	○	○
Windshield with wiper	○	○	○	○	○	○	○	○
Pre-cleaner	○	○	○	○	○	○	○	○
Exhaust pipe, upward	○	○	○	○	○	○	○	○
Adjustable overhead guard	○	○	○	○	○	○	○	○
Back-up buzzer	○	○	○	○	○	○	○	○
Rear head lights	○	○	○	○	○	○	○	○
Emergency flash light(Yellow/Red)	○	○	○	○	○	○	○	○
Torque converter oil pressure gauge	○	○	○	○	○	○	○	○
Fire extinguisher	○	○	○	○	○	○	○	○
Fan	○	○	○	○	○	○	○	○
Rain Guard	○	○	○	○	○	○	○	○
Hook on sideshift	○	○	○	○	○	○	○	○
Integral sideshift	○	○	○	○	○	○	○	○
Joystick hydraulic controls	○	○	○	○	○	○	○	○
Swing-out LPG bracket	○	○	○	○	○	○	○	○
Fork extension sleeves	○	○	○	○	○	○	○	○
Fork positioner	○	○	○	○	○	○	○	○
Front cowl cover	○	○	○	○	○	○	○	○