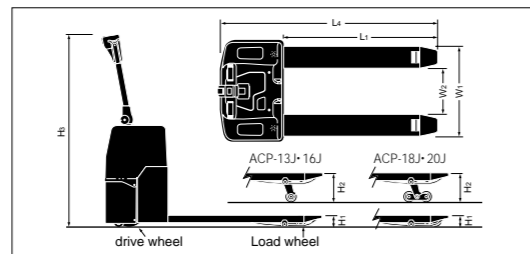


Antyac Self-propelled Battery Pallet Truck



- Provided with an AC-driven motor for the first time in the industry. A people- and environment-friendly carbon brush-less AC motor.
- Provided with a sealed battery. A long-life, maintenance-free sealed battery ensuring ease of management.
- Selectable drive mode. The POWER mode or ECONOMY mode is selectable according to the work environment.

■ Dimensions



Specification	Capacity (kg)	Min.H (mm)		Fork (mm)			Overall length (mm)	Overall height (mm)	Minimum turning radius (mm)	Drive speed (km/h)		Drive wheel φ × width (mm)	Load wheel φ × width (mm)	Battery (Sealed)	Net weight (kg)
		H ₁	H ₂	Length	Outer width	Inner width				Unloaded	Loaded				
ACP - 13J	1,300	80	200	1,070	620	320	1,525	710	1,300	0~5.0	0~4.6	Urethane 230×70	Urethane 80×73	DC12V 32AH/5HR×2	285
ACP - 16J	1,600	80	200	1,070	620	320	1,525	710	1,300	0~5.0	0~4.6	Urethane 230×70	Urethane 80×73	DC12V 50AH/5HR×2	295
ACP - 18J	1,800	80	200	1,070	620	320	1,525	710	1,300	0~5.0	0~4.4	Urethane 230×70	Urethane70×56 Tandem wheel	DC12V 50AH/5HR×2	300
ACP - 20J	2,000	80	200	1,070	620	320	1,525	710	1,300	0~5.0	0~4.4	Urethane 230×70	Urethane70×56 Tandem wheel	DC12V 50AH/5HR×2	310

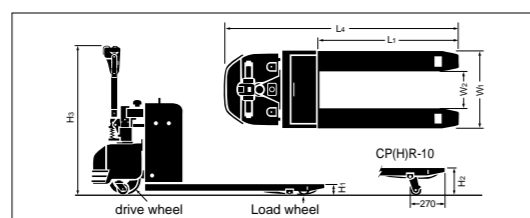
*Drive speeds are values while in POWER mode. Speeds are halved while in ECONOMY mode. *Battery charger is built in type.

Self-propelled Battery Pallet Truck

The standard model responds to a wide variety of user needs.

- Affordable economy type.
- A safety start function to reduce the shock of starting the truck.
- Moves by simply pressing the Run switch and stops with the switch released.
- A powerful electromagnetic brake is built in.
- Safety switch (reverse running switch) attaching importance to safe operation.
- An emergency stop switch as a standard accessory.
- User-friendly battery meter with three-color demarcations. Option: FET chopper system

■ Dimensions



Specification	Capacity (kg)	Min.H (mm)		Fork (mm)			Overall length (mm)	Overall height (mm)	Minimum turning radius (mm)	Drive speed (km/h)		Gradability (Loaded)	Drive wheel φ × width (mm)	Load wheel φ × width (mm)	Battery	Brake	Net weight (kg)
		H ₁	H ₂	Length	Width	Inner width				Unloaded	Loaded						
CPHR-10S-A	1,000	80	200	1,070	580	280	1,755	1,130	1,715	H3.5	H2.5	5%	Urethane 240×60	Urethane 80×73	DC12V 50AH/5HR	Electromagnetic brake	205
CPR -10S-A				1,070	580	280	1,755	1,120	1,715	L3.0	L2.0						230

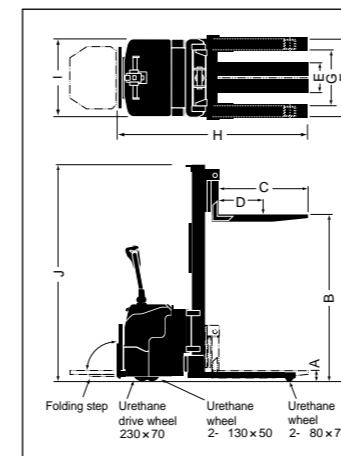
CPHR: Motor-powered driving. Manual (hydraulic) lifting up and down. CPR: Motor-powered driving and lifting up and down. H: High speed L: Low speed *The gradability is shown on the condition that a fully charged battery is used.

Antyac Self-propelled Battery Power Lifter



- Employs an AC inverter for improvement in operability.
- Incorporates a regenerative braking system to ensure a smooth stop.
- Adopts a maintenance-free sealed battery.
- Turns in a small radius, thus tacking an active part in narrow space.

■ Dimensions



APL-1000-15



APLW-650-25

Specification	Capacity (kg)	Min.H (mm)		Fork (mm)			Outrigger width (mm)		Overall length (mm)	Overall width (mm)	Overall height (mm)	Drive speed (km/h)		Minimum turning radius (mm)	Lifting time (sec)	Battery (Sealed)	Brake	Net weight (kg)
		A	B	C	D	E	F	G				Unloaded	Loaded					
⊙ APL - 1000 - 15	1,000	80	97	800	400	270~725	700	500	1,730	775	1,950	0~4.0	0~3.5	1,590	12~18	DC12V 100AH/5HR×2	Regenerative brake	540
⊙ APL - 1000 - 15L	1,000	80	97	1,500	1,000	500	700	500	1,930	775	1,950	0~4.0	0~3.5	1,790	12~18	DC12V 100AH/5HR×2	Regenerative brake	560
⊙ APL - 1500 - 14	1,500	80	135	1,400	1,000	500	800	600	1,990	850	1,990	0~3.2	0~3.0	1,890	12~20	DC12V 100AH/5HR×2	Regenerative brake	720
⊙ APLW - 650 - 25	650	80	97	2,500	800	400	800	600	1,740	875	1,785	0~4.0	0~3.5	1,580	14~20	DC12V 100AH/5HR×2	Regenerative brake	640

*Min. H ()=when the fork covers outrigger. *A built-in battery charger of automatic charging type. ⊙ is available on request.

As of May 2007

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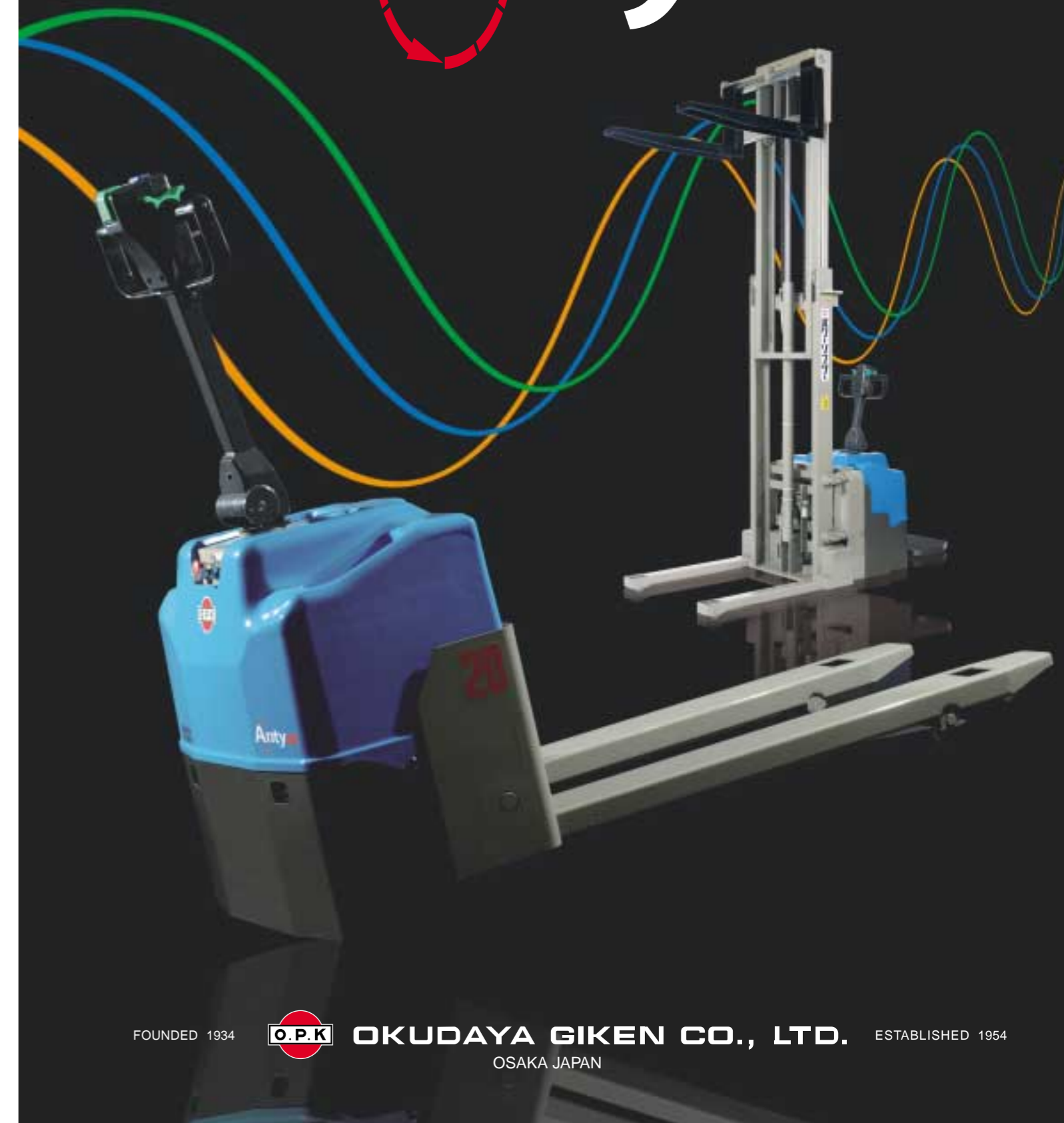
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OPK

Featuring AC-driven Motor

Antyac



FOUNDED 1934



OKUDAYA GIKEN CO., LTD.

ESTABLISHED 1954

OSAKA JAPAN



Antyac

Featuring AC-driven Motor

AC-driven motor featured Low Lift
An environment-friendly, high-end model
with versatile functions that are unprecedented in this class.

Upgraded Operability

The Anty ac has excellent turning performance taking an active part in narrow space and a regenerative braking system that enables smooth acceleration and deceleration by stepping on or releasing the accelerator. Furthermore, the Anty ac employs an AC inverter to ensure smooth and powerful running performance.

Safety First

The Anty ac is provided with a safety start mechanism that prevents the wrong operation or abrupt starting of the truck, a safety switch that avoids danger, and an emergency stop switch that stops the operation of the truck in case of emergency. The model was designed in pursuit of safety from all angles.

Improvement in Ease of Maintenance

All Anty ac models employ a maintenance-free sealed battery, which is automatically charged by a battery charger with a built-in microcontroller. Carbon brush-less AC motor eliminates maintenance necessity of the driving block. Moreover, a self-diagnostic function and LED indicators are adopted, which completed the models with a significant improvement in ease of maintenance.



AC Inverter

The Anty ac employs an AC inverter, thus allowing delicate acceleration performance to attain drive speeds meeting the work environment. A high-output motor can achieve a top speed of 5 km/h. To promise speedy work.



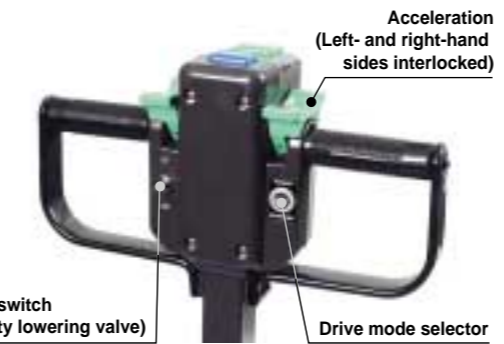
Regenerative Braking System

The regenerative braking system of the Anty ac greatly reduces the shock of starting or stopping the truck that may result in cargo collapse and makes improvement in the safety of operation. This system brought highly responsive operability.



Selectable Drive Modes

Two drive modes are selectable according to the characteristics of work and required operating hours (i.e., the POWER mode for speedy work and the ECONOMY mode for continuous, delicate work for a long time) besides the work environment.



Up/Down switch (with safety lowering valve)

Acceleration (Left- and right-hand sides interlocked)

The lightweight body

does not impose a heavy load on the floor. Therefore, the Anty ac can be transported by elevator with ease.



The compact design attained a turning radius as small as 1,300 mm, which is the industry's top class for this size. The excellent turning performance of the Anty ac ensures **preminent workability** in narrow space.



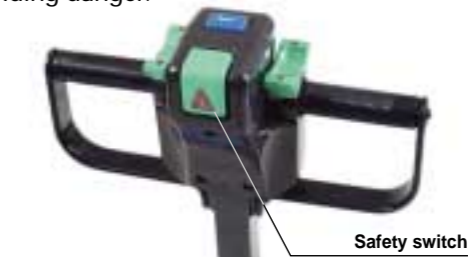
Safety Start

In order to prevent the wrong operation or abrupt starting of the truck, this safety mechanism does not allow the truck to start running if the key switch is turned ON while pressing down the control handle or the control handle is pressed down while stepping on the accelerator.



Safety Switch

The truck will run reversely by touching this switch while the truck is running, thus avoiding danger.



Safety switch



Emergency Stop Switch

In case of emergency, press this switch to stop all the functions of the truck.



LED Indicator

The remaining battery level can be checked at a glance.



Sealed Battery

All models employ a maintenance-free sealed battery, which completed the models with a significant improvement in ease of maintenance.



Battery charger with a built-in microcontroller

(with an input of 200 to 240V AC at 50/60 Hz single-phase)

A compact automatic battery charger is provided.



Self-diagnostic Function (Condition lamp)

The self-diagnostic function detects errors in the main circuit. The condition lamp will be lit and alert the operator if there is any error in the main circuit.



Maintenance-free Drive Unit

Wheel in carbon brush-less AC drive motor with regenerative brake.

Operability

Safety

Maintenance