

KAIMON/Ascendant Carrier

The KAIMON/Ascendant Carrier is an automated forklift robot designed and updated by the [Yugumo Corporation](#) for civilian and commercial use. It became available in [YE 43](#).

About the KAIMON/Ascendant Carrier

The KAIMON/Ascendant Carrier is a state-of-the-art automated forklift robot designed to assist in various logistics and warehousing tasks. Originally conceptualized as the Type 42 Forklift Robot for the [Star Army of Yamatai](#) but not acquired by them, it was revamped with the [KAIMON](#) system to ensure seamless integration and energy efficiency.

KAIMON/Ascendant Carrier	
Year Released	YE 43
Designer	Yugumo Corporation
Nomenclature	Yu-O3-1A
Manufacturer	Yugumo Corporation , Jiyuu System
Brand	KAIMON/Ascendant
Fielded by	Yugumo Corporation
Lift Capacity	4300kg
Maintenance Cycle	Quarterly
Lifespan	More than 20 years with proper maintenance
Damage Rating (Version 3)	Tier 3
Production Level	Mass Production
Pricing	12,500 KS

History

Initially designed as the Type 42 Forklift Robot for the [Star Army of Yamatai](#) in [YE 42](#), the model was presented for potential adoption by the SAoY. However, the Star Army opted not to incorporate the design into their logistics systems. Recognizing the potential of the design, the [Yugumo Corporation](#) decided to repurpose it for civilian and commercial sectors. The model underwent significant updates with the introduction of the KAIMON system in [YE 43](#). The original Aether generator was replaced, allowing the Carrier to draw power from KAIMON-enabled infrastructure. This change not only improved its energy efficiency but also expanded its integration capabilities with other KAIMON systems.

Appearance

The KAIMON/Ascendant Carrier retains a robust and industrial design, primarily composed of [Durandium Alloy](#). Its primary feature is the pneumatic forklift mechanism, which can be adjusted for different tasks.

The Carrier's interface and control systems are seamlessly integrated, giving it a sleek and modern appearance.



Dimensions

- Lift Capacity: 4300kg
- Height of Forklift Extended: 9.4m
- Fork Width Extended: 3m
- Fork Width Collapsed: 1.5m
- Unit Length: 5m
- Unit Width: 3.8m
- Unit Height Collapsed: 5m (base to top of mast)

Function

The KAIMON/Ascendant Carrier is designed to:

- Seamlessly integrate with [KAIMON](#) systems.
- Lift and transport cargo, including Small [Standard Starship Cargo Containers](#) and pallets.
- Operate autonomously with advanced pathfinding and obstacle avoidance.

- Receive and execute complex task sequences from a central control system.
- Provide real-time feedback and diagnostics to operators and maintenance personnel.
- Draw power from [KAIMON](#)-enabled infrastructure, ensuring extended operational times and reduced downtime.

Power Systems

The Carrier draws power from KAIMON-enabled infrastructure. When disconnected from a KAIMON source, it can operate for 3 hours on reserved power. It can be charged through a charging port compatible with most industrial power generator systems.

Propulsion and Range

Equipped with advanced drive systems, the Carrier can sustain speeds of up to 35km/hr in free mode and 13km/hr in load mode. Its anti-gravity system ensures smooth transportation of goods, while micro-thrusters assist in precise positioning and maneuvering.

Systems

The subsystems and construction of the Carrier.

Hull Construction

The hull of the Carrier is made of durable [Durandium Alloy](#), ensuring it can withstand the rigors of industrial and warehousing environments.

Electronics Suite

The Carrier is equipped with the [KAIMON-Passage](#) system, ensuring flawless integration with other KAIMON-enabled devices and infrastructure.

Network Integration

The Carrier can be controlled and monitored through higher-level KAIMON systems, allowing for efficient operations in KAIMON-enabled environments.

Emergency Controls

For safety, a set of emergency controls is available behind a removable panel on the aft section of the lift, ensuring manual override in critical situations.

OOC Notes

Andrew created this article on 2020/02/05 23:41. Yuuki, with a little help from GPT 4, updated it on 2023/09/12.

This was approved by Wes on 2023/10/04.¹⁾

Products & Items Database	
Product Categories	robots
Product Name	KAIMON/Ascendant Carrier
Nomenclature	YU-O3-1A
Manufacturer	Yugumo Corporation, Yugumo Fleetworks
Year Released	YE 45
Price (KS)	12 ,500.00 KS
DR v3 max	Tier 3

¹⁾
<https://stararmy.com/roleplay-forum/threads/kaimon-ascendant-carrier-formerly-type-42-forklift-robot.70864/#post-441158>

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