

Specification of Fuel Cell Garbage Truck for MINATO (2021)

> Base Vehicle (Medium-truck type)

Hino Motors “RANGER 4.0t ” (3-seater)

Weight 6080kg

L × W × H 7.08 × 2.19 × 2.56m

Payload 1750kg (7.8m³)

Range 74km

> Motor (Synchronous type)

KAWAMATA SEIKI CO., LTD. “KW150”

Max. Power/ Torque 150kW/ 450Nm

> Main Battery (Lithium-ion type)

TOSHIBA “SCiB™”(12s × 2p) 336kg

Cap./ Rated Volt. 26.5kWh (80Ah)/ 331V

> Fuel Cell (PEM type)

HYDROGENICS “HyPM™ HD30”

Max. Power 33kW (620kg)

> Hydrogen Storage System

High pressure cylinder 82.5MPa (Type 4)

Capacity 51L × 2 (72kg)

Hydrogen loading 4.2kg@55

