



iEngineering Australia

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ABOUT US

At iEngineering Australia, we specialize in providing top-quality Ground Support Equipment (GSE) tailored to meet the demands of modern airports. Our comprehensive range of GSE is designed to optimize your airport's efficiency, safety, and performance, ensuring seamless ground operations. From aircraft handling to passenger services, we have the right equipment to keep your airport running smoothly.

As a growing Engineering organization, we strive to:

- Continuously improve our performance, as measured by our quality standards, service performance, and visibility provided to our clients throughout the product life cycle.
- Provide highest standard workmanship. All our work is done by competent personnel and only those that are authorised, per our delegation of engineering authority principles.
- Provide value for money to our clients using only best quality materials or most optimised product solutions
- Provide these services in a professional and ethically responsible manner.

GSE Equipments

(Ground Support Equipment's)

➤ Airport Towing Tractors :-

- Max. traction: 20, 25, 30KN
- Engine: Japanese Yanmar 98
- Transmission: Japanese Okamura
- With complete driving cabin
- Max travel speed 25 km/h
- Service break hydraulic
- Parking break mechanical



➤ Airport Baggage Cart :-

- Lifting capacity - 1500~2000 kg
- Height to the cargo platform - up to 520 mm
- Length of platform 2500*1500mm
- Height of platform (mm): around 520mm;
- Surface treatment: galvanized;



➤ Self-Propelled Conveyor Belt Loaders :-

- Size: 6720(L)*1500(W)*1300(H) mm;
- Conveyor frame height: 900-3400mm (front); 720-865mm(rear);
- Ground Clearance: 150mm
- Max Speed: 25km/h
- Load Capacity On belt: 150kg/m Overall: 800kg
- Brake: Manual
- Width of the belt:700mm
- Conveyor Belt Transfer Speed: 12m—30m/min
- Towable Airport Ground Power Unit, 90KVA
- has context menu



➤ Passenger Boarding Stairs :-

Chassis manufacturer	Jiangling Motor Co., Ltd
Chassis Model	JX1061TG26
Overall dimension (L × W × H)	7510×2120×3180mm
Working height of passenger stairs	2200~4600mm
Platform dimensions	3030×1820mm
Passenger capacity	60 persons
Step size (D × W × H)	300×1400×190mm
Maximum inclination angle of ladder body	35.2°
Curb weight	6150kg
Travel of movable platform	300mm



➤ Towable Airport GPU :-

- 90KVA Trailer Mount GPU
- Cummins 6BTA5.9-G2
- Diesel Engine FSLW-90
- Generator 12M military standard YH70 output cable with PJ-500TB plug



Detailed Specification

NO.	System configuration features	AC	DC
1.	Capacity	90KVA (3 phase, 4 wire);	23KW
2.	Rated Voltage	115V/200V	28.5V
3.	Output Connection	A、B、C、N	2-line
4.	Output Mode	1-Way	1-Way
5.	Voltage Regulation Range	100V~130V	20~32V
6.	Stable Voltage Range	115V±1%	26~30V
7.	Rated Frequency	400Hz	/
8.	Rated Current	261A	800A
9.	Rated Power Factor(cosΦ)	0.8(lag)	/
10.	Transient-state Voltage	90V~140V	17~35V
11.	Voltage Response Time	<0.1s	<0.1s

➤ Towable Airport GPU :-

- 140KVA Towable Airport GPU
- Cummins 6CTA8.3-G2
- Diesel Engine FSLW-140
- Generator 12M military standard YH70 output cable with PJ-500TB plug



Detailed Specification

NO.	System configuration features	AC	DC
1.	Capacity	140KVA (3 phase, 4 wire);	23KW
2.	Rated Voltage	115V/200V	28.5V
3.	Output Connection	A、B、C、N	2-line
4.	Output Mode	1-Way	1-Way
5.	Voltage Regulation Range	100V~130V	20~32V
6.	Stable Voltage Range	115V±1%	26~30V
7.	Rated Frequency	400Hz	/
8.	Rated Current	406A	800A
9.	Rated Power Factor(cosΦ)	0.8(lag)	/
10.	Transient-state Voltage	90V~140V	17~35V
11.	Voltage Response Time	<0.1s	<0.1s

➤ Passenger-Stairs :-

The working height of the platform is 2500~3600mm.

Overall Length		mm	6734
Overall Width		mm	2010
Lifting Height		mm	2500~3600
Wheelbase		mm	3390
Front/rear track		mm	1500/400
Minimum ground clearance		mm	150
Minimum turning diameter		mm	8750
Approach angle		(°)	24
Step Qty		PC	17
Step	Pedal width	mm	1200
	Riser height	mm	140~200
	Pedal length	mm	273~314
Platform	Platform width	mm	1650
	Platform length	mm	1820
	Handrail height	mm	1105
Weight		kg	Around 1450
Platform limit number			7
Lifting type			Manual
Moving style			Push or drag



➤ Aircraft Cleaning Water Truck :-

Main performance and technical data

1. Vehicle

Length×Width×Height 6895mm×1980mm×2290mm

2. Dimensions of clean water tank

3950mm×1980mm×620mm

3. Clean water tank capacity (L) 4000

4. Chassis

a. Model ISUZU QL1070A5KAY Type II chassis

b. Engine model 4KHICN5HS

c. Gearbox model MSB



➤ Airport Catering Truck :-



Chassis model	Isuzu QL1180XQFRY
Vehicle our size (L x W x H) (mm)	10350×2500×3800
Platform front floor height (mm)	2700~6200
The ground clearance of van's rear floor (mm)	1550~6200
The size of the van (Length X W X H) (mm)	7500×2500×2400
Maximum load quality (average cloth) (kg)	4500
Scale platform before and after telescopic (mm)	0~600
Platform left and right movement (mm)	0~700
Fixed platform rated load (all cloth) (kg)	1550
Active platform rated load (kg)	550
Vehicle preparation quality (kg)	14000
Channel Outer Circle Diameter (mm)	20000
Minimum ground clearance (mm)	240



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