



AV6

**Six Seat Airport Terminal
Passenger Mobility Vehicle**

FEATURES

PASSENGER PROTECTION

- Soft coated overhead protection frame

LEXAN SIDE PANELS

- Ensure passengers remain within vehicle during operation
- All doors fitted with interlock cut out. Vehicle automatically stops and applies park brake system if a door is opened during operation
- Discreetly positioned door handles to avoid passenger opening door during operation
- Soft coated door extrusions to prevent trap point injuries to all doors



CHARGER

- AQHF24-30FC-G On board 24 volt 30 amp high frequency Charger
- Charger lead fitted behind flush fitting access door
- Door fitted with interlock to prevent vehicle being driven if charger lead is still connected to supply



BATTERY

- 24 volt gel maintenance free battery
- Produces no explosive gas during recharge
- No requirement for special ventilated charging area
- No routine battery maintenance/topping up required



Radius Corners

- Radius corners incorporating rubber bumper to further reduce collision damage to the front and rear of the vehicle

STEERING COLUMN

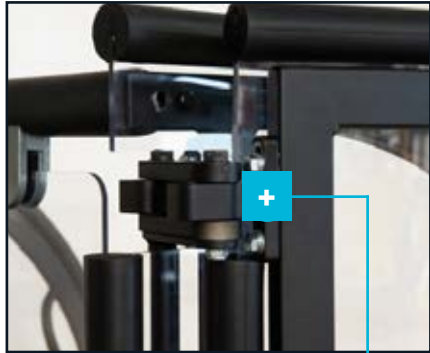
- Tilt adjustable steering column
- Battery discharge indicator
- Hour meter
- Digital speedometer
- Power steering





PASSENGER COMFORT

- Full opening rear door with grab handles giving excellent access to all PRM passenger
- Rear door prepared to accept optional wheel chair bracket
- Driver plus five passengers in a three-bench configuration
- Head rests fitted on Lexan panel bulkhead between two rear bench seats
- Low access step height



DOUBLE HINGE DOORS

- Double hinge full height doors to aid passenger transfer for side access



OPTIONAL VINYL WRAP

STANDARD EQUIPMENT & OPTIONS

	MODEL	AV6 PRM
VEHICLE OVERVIEW	Configuration	4 wheel
	Power unit: 24 volt AC controller	•
	Specialist 6 seat PRM vehicle	•
	Power steering	•
	Suspension front and rear	•
	Welded steel chassis, painted	•
	Rear drive axle with limited slip differential	•
	Standard ambient operating temperatures -10 to +40	•
BATTERIES AND ACCESSORIES	Battery 24v 240Ah gel maintenance free (4x GF06240) Battery produces no explosive gas during recharge No requirement for special ventilated charging area No routine battery maintenance/topping up required	•
	Charger AQHF24-30FC-G On board 24 volt 30 amp high frequency Charger lead fitted behind flush fitting access door Door fitted with interlock to prevent vehicle being driven if charger lead is still connected to supply	•
	Charger Input Single phase supply 240 volt supply Current draw 5.1 amp input	•
BRAKING SYSTEMS	Hydraulic drum brakes to rear wheels	•
	Electronic regenerative braking under deceleration	•
	Dynamic speed sensing to prevent over-speed	•
	Automatic hill hold. Controller holds vehicle on incline without driver input	•
	Automatically applied transmission parking brake	•
CONTROLS / AUDIBLE WARNINGS / LIGHTING	Maximum speed can be pre-set between 8-14kph (Please specify speed setting at time of order)	•
	Operator present safety foot switch	•
	Emergency stop button	•
	Horn	•
	Automatic audible warning in reverse	•
	Automatic white noise audible warning in forward	•
	Amber flashing beacon	•
	Interior fish eye mirror	•
INSTRUMENTS	Tilt adjustable steering column	•
	Battery discharge indicator	•
	Dash mounted lamp to indicate when park brake is applied	•
	Digital speedometer	•
	Hour meter	•
TYRES	380 x 130 x 8 (PPS) pneumatic profiled soft solid puncture proof non marking Wide low profile tyres to keep ground pressure to a minimum	•
ACCESS	Full width bench seat for ease of passenger transfer	•
	Unique design double hinge assembly allows all passenger doors to open 180° for ease of access	•
	Full width rear opening door with grab handles to give ease of access to all PRM passengers	•
	Low access step height	•

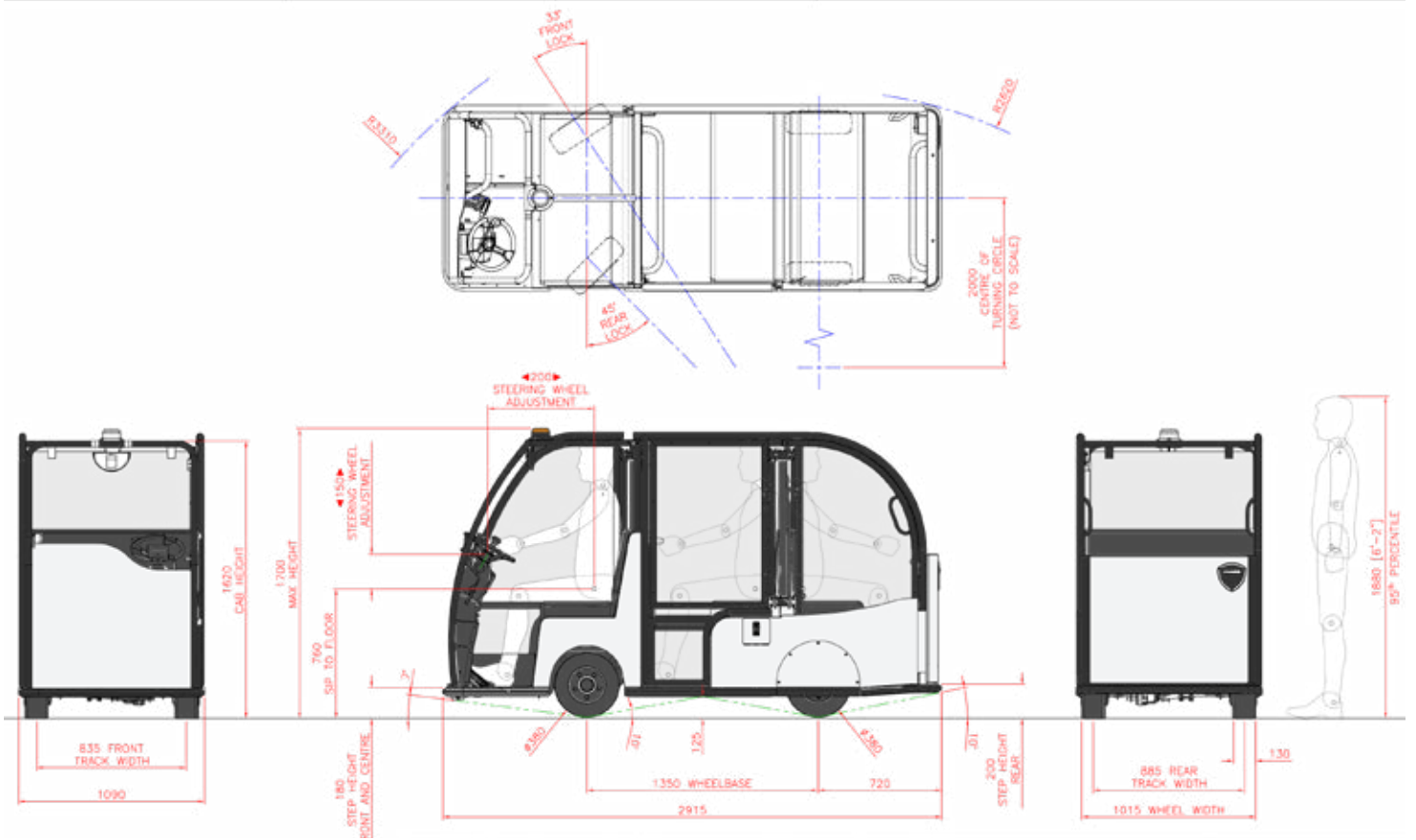
	MODEL	AV6 PRM
PASSENGER COMFORT	Driver plus five passengers in a three bench configuration	•
	Padded seat base and back for passenger comfort	•
	Seamless black seat covers for ease of cleaning	•
	Single piece inertia lap seat belt to allow driver to discreetly secure seat belt and allow for varied passenger seating configuration.	•
	Head rests fitted on Lexan panel bulkhead between two rear bench seats	•
	Rear door prepared to accept optional wheel chair bracket	•
PASSENGER PROTECTION	Soft coated overhead protection frame	•
	Lexan side panels to ensure passengers remain within vehicle during operation	•
	All doors fitted with interlock cut out. Vehicle automatically stops and applies park brake system if a door is opened during operation	•
	Discreetly positioned door handles to avoid passenger opening door during operation	•
VEHICLE PROTECTION	Soft coated door extrusions to prevent trap point injuries	•
	Rubber bumper around base perimeter of vehicle available in either hazard warning or black finish – to be specified at time of order	•
COLOUR	Rear wheel arch cover fitted to reduce collision damage	•
	Chassis & body: Paint finish in single colour specification	•
	Soft frame coating: Black	•
	Rubber bumper and door extrusions: Black	•
	Vinyl wrap - price on request	○

• Standard | ○ Optional

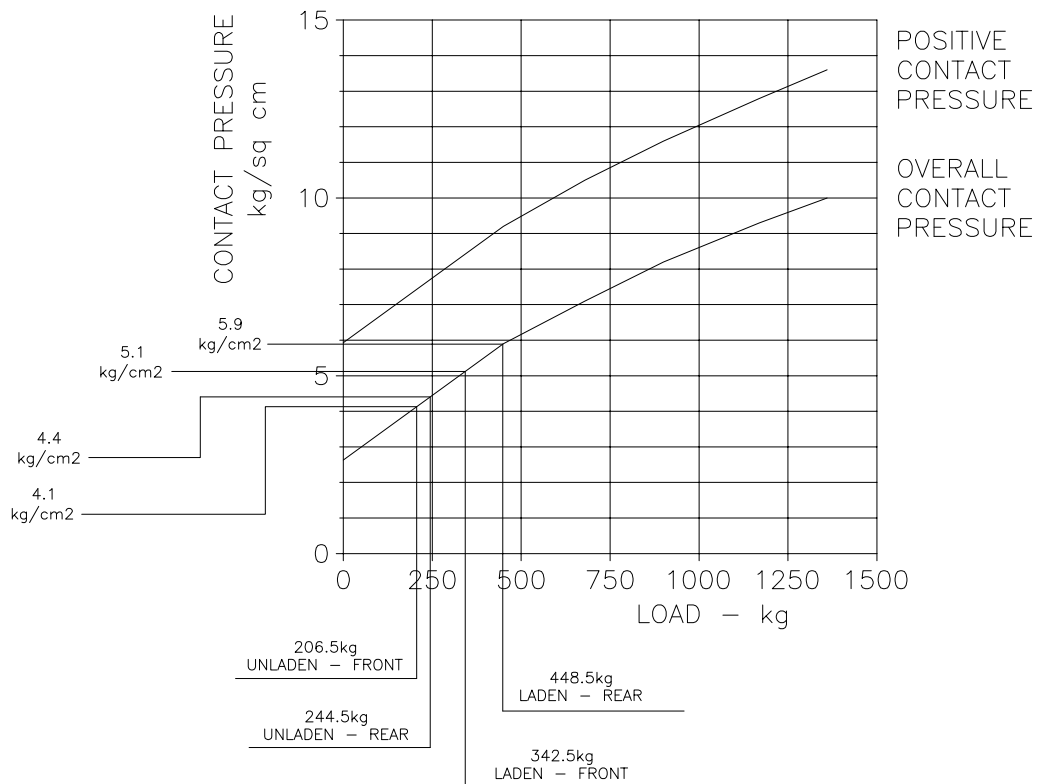


TECHNICAL SPECIFICATIONS

AV6-01 PRM VEHICLE



AV6 GROUND PRESSURES
140/55-9
NON MARKING GREY PPS



TECHNICAL DATA

VDI 2198	TECHNICAL FEATURES		AV61-01		
DISTINGUISHING MARK	1.1	Manufacturer (abbreviation)	BEV		
	1.2	Manufacturer's type designation	AV6-01		
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas	Battery		
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated - 6 Person inc. Driver		
	1.5	Rated capacity / Rated load	Q (t)	0.68	
	1.9	Wheelbase	y (mm)	1350	
WEIGHT	2.1	Service weight	kg	910	
	2.2	Axle loading, laden front / rear	kg	685 / 897	
	2.3	Axle loading, unladen front / rear	kg	413 / 489	
		Ground Pressure Laden - Front Wheel	kg/cm ²	5.1	
		Ground Pressure Laden - Rear Wheel	kg/cm ²	5.9	
		Ground Pressure Unladen - Front Wheel	kg/cm ²	4.1	
		Ground Pressure Unladen - Rear Wheel	kg/cm ²	4.4	
TYRES, CHASSIS	3.1	Tyres: SE=Pneumatic Shape Solid, SC=Supercushion		SE	
	3.2	Tyre size, front	ø x width (mm)	380 x 130	
	3.3	Tyre size, rear	ø x width (mm)	380 x 130	
	3.5	Wheels, number front / rear (x = driven wheels)		2 / 2X	
	3.6	Tread, front	b 10 (mm)	-	
	3.7	Tread, rear	b 11 (mm)	882	
	3.9	Wheels braked service brake, number		2 x Rear	
	3.10	Wheels braked parking brake		2 x Rear	
	DIMENSIONS	4.2.1	Overall height	h 15 (mm)	1700
		4.7	Height of overhead guard (cabin)	h 6 (mm)	1620
4.8		Seat height relating to SIP / stand height	h 7 (mm)	760	
4.13		Loading height, unladen	h 11 (mm)	180 Front & Centre / 200 Rear	
4.17		Overhang	l 5 (mm)	845 Front / 720 Rear	
4.19		Overall length	l 1 (mm)	2915	
4.21		Overall width	b 1 / b 2 (mm)	1090	
4.32		Ground clearance, centre of wheelbase	m 2 (mm)	125	
4.35		Turning radius	W a F (mm)	3310	
4.35		Turning radius	W a R (mm)	2620	
4.36		Internal turning radius	b 13 (mm)	200	
PERFORMANCE	5.1	Travel speed, laden / unladen	km/h	14	
	5.1.1	Travel speed, laden / unladen, backwards	km/h	7	
	5.7	Gradeability, laden / unladen	%	8	
	5.8	Max. gradeability, laden / unladen	%	8	
	5.10	Service brake		Hydraulic	
ELECTRIC ENGINE	6.1	Drive motor S2 60 minute rating	kW	4.0	
	6.4	Battery voltage / nominal capacity K5	(V)/(Ah)	24 / 240	
	6.5	Battery weight (5)	kg	192	
DRIVE	8.1	Type of drive unit		Solid Axle with Integral A/C Motor and Differential	
	8.10	Transfer of power		Helical Gears	
	8.11	Service brake		Hydraulic Drums	
	8.12	Parking brake		EM Brake on Motor	
MISC	10.7	Sound pressure level at the driver's seat	dB (A)	55.7	

*Ast = Waf + War + a, (assuming a = 200mm)

⁽¹⁾These values may vary +/- 5%

⁽²⁾Based on 200N/tonne rolling resistance on a level dry surface

NOTE
These values may vary +/- 5%



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All data and specifications are in accordance with information available at the time of publication and are subject to change without notice.

Some of the vehicles shown are may be fitted with optional equipment or accessories that are available at extra cost.

This brochure supersedes all previous publications.
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