



ADVANCED VEHICLE
— MANUFACTURING —

AVM Shuttle

Specifications

GENERAL

Type:	Low Floor Monocoque	
Length:	27.7	ft
Width:	90	in
Height		
w/o HVAC:	118	in
w/ HVAC:	121	in
Interior Height :	≥84	in
Wheelbase:	155	in
Overhang F/R:	85/81	in
Angle Approach/Departure:	7.5/8.2	°
Tread F/R:	76/69	in
Entry Step Height:	14	in
GAWR F/R:	9,220/17,600	lb
GVWR:	26,840	lb
Curb Weight:	18,040	lb
Axle Type		
Front:	Independent	
Rear:	Beam	
Drive Axle Ratio:	6.33:1	
Tire Size:	255/70R22.5	
Max Speed:	55	MPH
Gradeability:	≤20	%



BODY

HVAC

Cooling, Rated:	103	KBTU
Heating, Rated:	95	KBTU

Defroster

Voltage, Nominal:	600	VDC
Power, Rated:	4	kW

Windows

Fixed:	Single Sash
Egress:	Push Out Single Sash

Door

Opening (H x W):	81.5 x 53	in
Clear (H x W):	81.5 x 43	in

Roof Hatch

Type:	Egress
Power Vent:	Yes

Driver Seat:

Grammer

Passenger Seats

Make:	American Seating
Model:	Vision
Number:	15

Exterior Lighting Type:

LED



DRIVELINE

Motor

Power, Rated:	120	HP
Torque, Rated:	840	ft•lb
Torque, Max:	1,328	ft•lb

Motor Controller

Power, Rated:	197	KVA
---------------	-----	-----

Batteries, High Voltage

Type:	Lithium Titanate	
Voltage:	580	VDC
Energy:	46.4	kW•Hr

Batteries, Low Voltage

Quantity:	2	
Voltage:	12	V (Nominal)
Ampacity:	80	A•Hr

Oil Pump

Power, Rated:	1.5	kW
Flow, Rated:	160	gal/hr

Air Compressor

Power, Rated:	3	kW
Flow, Rated:	8.8	CFM

Air Tank Drain Type:

Automatic

Charge Connector

Amperage, Rated:	250	A
Voltage, Rated:	750	V

Air Brake Type F/R:

Disc/Disc

ABS:

Yes

Suspension Type:

Air

Drive Range (to 30% SoC):

22 mi

Charge Time, Min:

10 min

Specifications Subject To Change Without Notice

