



Volkswagen AG, a member of the Volkswagen Group

Application for Emissions Certification

2027 Model Year

Durability Group: VVGAEENVNNVSR

Evap. Family: N/A

Test Group: VVGAJ00.0VSR

Certificate Number: VVGAJ00.0VSR-XXX

Durability Group Description: N/A

Test Group Description: BEV, Electric Drive

Battery Capacity (kWh): Li-Ion Battery capacity 89 kWh
Nominal Voltage 374 V

Applicable Exhaust Standards: 50 States
Federal: Tier 4 Bin 0 (Interim)
California: ZEV

Carlines Covered: ID. Buzz

Vehicles Tested:

VID	Config.	Test Type / #
VN41S-16-0265	0	MCT - Mode D / VVGA10093355
VN41S-16-0265	1	MCT - Mode D / VVGA10093357

Issue Date: 03/05/2026

Questions, Contact:
EEO Office, Auburn Hills, Michigan

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1. Correspondence and Communication

Please refer to the Common Section

2. Durability Group Description

Not Applicable

3. Evaporative / Refueling Family Description

Not Applicable

4. Durability Procedure Description

Not Applicable

5.0 Test Group Description

Evap. Family:	N/A
Test Group Name:	VVG AJ00.0VSR
Certificate Number:	VVG AJ00.0VSR-XXX
Engine displacements covered:	Electric – 0.0
Arrangement and number of cylinders:	N/A
Vehicle class(es) covered:	LDV, LDT
Federal Emissions Standards Class:	Tier 4 Bin 0 (Interim)
California Emissions Standards Class:	ZEV

5.1 Test Group Emission Standards

Not Applicable

6. Test Vehicle Description

Certificate Number: VVGAJ00.0VSR-XXX
Models: ID. Buzz Pro S, ID. Buzz Pro S Plus,
ID. Buzz Base (Canada only_5 seater)
Test Group: VVGAJ00.0VSR
Evaporative/Refueling Family: N/A

VID	Config.	Vehicle Type	Tests Performed
VN41S-16-0265	0	FEDV	MCT - D Mode 20" tire
VN41S-16-0265	1	FEDV	MCT - D Mode 20" tire
VN41S-16-0265	2	FEDV	MCT - D Mode 21" tire GHG Reporting

7. Test Results

Please refer to the Certification Summary Information Report.

Certification Summary Information Report

Manufacturer	Volkswagen Group of America, Inc.	Manufacturer Code	VGA
Test Group	VVGAJ00.0VSR	Evaporative/Refueling Family	--
Certificate Number	--	CARB Executive Order #	--
Certificate Issue Date	--	Certificate Revision Date	--
Certificate Effective Date	--	Conditional Certificate	--
CSI Revision #	--	CSI Submission/Revision Date	07/09/2026 03:35:24 PM
Model Year	2027		

Test Group Information

CSI Type	Update for Correction	Running Change Reference Number	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	Rechargeable Energy Storage System Indicator	Yes
Multiple Fuel Combustion	--	Off-board Charge Capable Indicator	Yes
Fuel Cell Indicator	No	EPA Vehicle Class	LDT4, LDV
Federal Clean Fuel Vehicle	No	Federal Clean Fuel Vehicle Standard	--
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VVGAEVNNVSR	Durability Group Equivalency Factor	1.0
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	06/01/2026	CAP2000 Conditional Certificate?	N/A
Independent Commercial Importer?	--	Alternative Fuel Converter Certificate?	--
SFTP Federal Composite Compliance Identifier	Not Applicable	SFTP Tier 2 Composite CO Option	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	OBD Demonstration Vehicle Test Group	VVGAJ00.0VSR
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	OBD compliance is not applicable. Values in this section are placeholders to allow submission of data set.		
Mfr Test Group Comments	--		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VVGAJ00.0VSR			Evaporative/Refueling Family			--			
Models Covered by this Certificate										
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup			
Volkswagen Group of America, Inc.	1 - Volkswagen	395 - ID. Buzz	Federal	2-Wheel Drive, Rear	Automatic	1	No			
Volkswagen Group of America, Inc.	1 - Volkswagen	395 - ID. Buzz	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	1	No			
Engine Description										
Hybrid Type			--	Hybrid Description			--			
Engine Type			--	Mfr Engine Description			--			
Engine Block Arrangement			--	Mfr Engine Block Arrangement Description			--			
Camless Valvetrain Indicator			--	Oil Viscosity/Classification						
Number of Cylinders/Rotors			--	Mechanically Variable Compression Ratio Indicator			--			
After Treatment Device(s) (ATD)										
Mfr After Treatment Device (ATD)										
Comments			--							
Direct Ozone Reduction (DOR) Device			--							
Mfr Emission Control Device Comments			--							
Official Test Numbers										
Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity	--	--	--	--	--	--	--	--	--	--
SFTP LEV-III Official Test Numbers										
Test Group Fuel	FTP		US06		SC03					
Electricity	--		--		--					
Official Charge Depleting Test Numbers										
Test Group Fuel	UDDS			Highway						
Electricity	--			--						

Certification Summary Information Report

Test Group	VVGAJ00.0VSR	Evaporative/Refueling Family	--
Hybrid Electric Vehicle And Fuel Cell Information			
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if Other	--
Battery Type	Lithium Ion	Number of Battery Packs	1
Total Voltage of Battery Packs	374	Battery Energy Capacity	233.1
Battery Specific Energy	160.5	Battery Charger Type	Both
Number of Capacitors	--	Capacitor Rating (In Farads)	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Rear Wheels	Driver Controlled Regenerative Braking	Yes
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	1		
Motor/Generator Type 1	Alternating Current / 3 phases	Rated Motor/Generator Power	210
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	Usable H2 Fill Capacity (kg)	--
Mfr Hybrid Electric/ Electric Vehicle Comments	1 Battery Pack contains 13 Battery Modules, Battery Total Voltage = Nominal Voltage		

Certification Summary Information Report

Test Group	VVGAJ00.0VSR	Evaporative/Refueling Family	--					
Emission Data Vehicle Information								
Vehicle ID / Configuration	VN41S160265 / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	VVGAJ00.0VSR	Original Evaporative/Refueling Family	--					
Original Test Vehicle Model Year	2027							
Vehicle Model								
Represented Test Vehicle Make	Volkswagen	Represented Test Vehicle Model	ID. Buzz					
Leak Family Details								
Leak Family Identifier	--	Leak Family Name	--					
Drive Sources and Fuel System Details								
	<table border="1"> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </table>	Drive Source and Fuel#	Drive Source	Fuel	1	Electric Motor	Electricity	
Drive Source and Fuel#	Drive Source	Fuel						
1	Electric Motor	Electricity						
Hybrid Indicator	No							
Multiple Fuel Storage	--	Multiple Fuel Combustion	--					
Fuel Cell Indicator	No	Rechargeable Energy Storage System Indicator	Yes					
Rechargeable Energy Storage System	Battery(s)	Rechargeable Energy Storage System, if 'Other'	--					
Off-board charge Capable Indicator	Yes							
Odometer Correction -- Initial	0	Odometer Correction Factor	1.0092					
Odometer Correction Sign	- = System Miles is equal to (Test odometer reading - Initial system miles) * Correction factor							
Odometer Correction Units	Miles							
Engine Code	EEWB	Rated Horsepower	282					
Displacement (liters)	0.01							
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--					
Charge Air Cooler Type	N/A	Drive Mode While Testing	2-Wheel Drive, Rear					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)					
Curb Weight (lbs)	5948	Equivalent Test Weight (pounds)	6000					
GVWR (lbs)	7341	N/V Ratio	112.2					
Axle Ratio	9.81							
Transmission Type	Automatic	# of Transmission Gears	1					
Transmission Lockup	No	Creep Gear	No					
Dynamometer Coefficients:								
	Target Coefficients		Set Coefficients					
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)					
City/Highway/Evap	37.1	0.2014	0.02554					
	A (lbf)	B (lbf/mph)	C (lbf/mph**2)					
	1.5	0.0181	0.02572					
	EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients							
	14.8							
Emission Control Device Comments	REAR:EEWB							

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Certification Summary Information Report

Test Group	VVGAJ00.0VSR	Evaporative/Refueling Family	--
Test #	VVGA10093355	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	12/04/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB1		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	6357	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	94.437
Charge Depleting Range (Calculated miles)	382.7	Charge Depleting Range (Actual miles)	382.7
Charge Depleting Range Highway (Calculated miles)	310.431	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	382.7
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.43	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.1728	
Drive Trace Energy Economy Rating		-1.146	
Drive Trace Inertia Work Ratio Rating		0.3167	
Integrated DC KW-HRS		1.7334	
Manufacturer Fuel Economy		23.3297443	
Charge Depleting Bag/Phase #2			

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Certification Summary Information Report

Test Group	VVGAJ00.0VSR	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.253</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.4059</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.2409</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.67</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.7114354</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.4452882</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.253	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.4059	Drive Trace Energy Economy Rating	-0.2409	Drive Trace Inertia Work Ratio Rating	1.67	Integrated DC KW-HRS	2.7114354	Manufacturer Fuel Economy	26.4452882		
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Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.477</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.7171</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-3.068</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.248</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6222938</td></tr><tr><td>Manufacturer Fuel Economy</td><td>21.6971218</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.477	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.7171	Drive Trace Energy Economy Rating	-3.068	Drive Trace Inertia Work Ratio Rating	-2.248	Integrated DC KW-HRS	1.6222938	Manufacturer Fuel Economy	21.6971218		
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Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>27.446</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>12.9372</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.3739</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>26.68</td></tr><tr><td>Integrated DC KW-HRS</td><td>9.8169119</td></tr><tr><td>Manufacturer Fuel Economy</td><td>35.768097</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	27.446	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	12.9372	Drive Trace Energy Economy Rating	-0.3739	Drive Trace Inertia Work Ratio Rating	26.68	Integrated DC KW-HRS	9.8169119	Manufacturer Fuel Economy	35.768097		
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Drive Trace Inertia Work Ratio Rating	26.68																		
Integrated DC KW-HRS	9.8169119																		
Manufacturer Fuel Economy	35.768097																		
Manufacturer Test Comments	MY27 VW ID. Buzz 20inch Range Hero tested in D-mode.																		

Certification Summary Information Report

Test Group		VVGAJ00.0VSR				Evaporative/Refueling Family				--		
Certification Region	Useful Life	Standard Level	Emission Name	Rounded Result	RAF	NMOG/NM HC Ratio	Diesel Adjustment Factor	Add DF	Mult DF	Certification Level	Standard	Pass/Fail
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
Fed	150,000 miles	Federal Tier 3 Bin 0	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--
CA	150,000 miles	California ZEV	CREE	0	--	--	--	0	--	0	--	--

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Certification Summary Information Report

Test Group	VVGAJ00.0VSR	Evaporative/Refueling Family	--
Test #	VVGA10093357	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	12/18/2025	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	LDV/Passenger Car	DF Type	Mfr. Determined
Verify Test Lab ID	Volkswagen AG WOB1		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	8538	Odometer Units	K
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	94.792
Charge Depleting Range (Calculated miles)	368.112	Charge Depleting Range (Actual miles)	368.112
Charge Depleting Range Highway (Calculated miles)	302.355	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	368.112
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		7.45	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		-1.487	
Drive Trace Energy Economy Rating		-2.3733	
Drive Trace Inertia Work Ratio Rating		-1.9219	
Integrated DC KW-HRS		1.8429	
Manufacturer Fuel Economy		24.7369128	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VVGAJ00.0VSR	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.259
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.9633
		Drive Trace Energy Economy Rating	-1.1071
		Drive Trace Inertia Work Ratio Rating	-1.12
		Integrated DC KW-HRS	2.8913
		Manufacturer Fuel Economy	28.1830588
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.455
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-1.8876
		Drive Trace Energy Economy Rating	-2.9563
		Drive Trace Inertia Work Ratio Rating	-2.7471
		Integrated DC KW-HRS	1.7339
		Manufacturer Fuel Economy	23.258216
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	175.776
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	14.9161
		Drive Trace Energy Economy Rating	-0.0456
		Drive Trace Inertia Work Ratio Rating	30.27
		Integrated DC KW-HRS	62.7366
		Manufacturer Fuel Economy	35.6912206
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.442
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-1.0752
		Drive Trace Energy Economy Rating	-2.204
		Drive Trace Inertia Work Ratio Rating	-1.4347
		Integrated DC KW-HRS	1.6594
		Manufacturer Fuel Economy	22.2977694
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VVGAI00.0VSR	Evaporative/Refueling Family	--																
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>10.263</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.3269</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.124</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.27</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.8056</td></tr><tr><td>Manufacturer Fuel Economy</td><td>27.337036</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.263	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.3269	Drive Trace Energy Economy Rating	-1.124	Drive Trace Inertia Work Ratio Rating	-0.27	Integrated DC KW-HRS	2.8056	Manufacturer Fuel Economy	27.337036		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.263																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.3269																		
Drive Trace Energy Economy Rating	-1.124																		
Drive Trace Inertia Work Ratio Rating	-0.27																		
Integrated DC KW-HRS	2.8056																		
Manufacturer Fuel Economy	27.337036																		
Charge Depleting Bag/Phase #7																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.445</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-1.678</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-2.7916</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.5102</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.6913</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.7172599</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.445	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-1.678	Drive Trace Energy Economy Rating	-2.7916	Drive Trace Inertia Work Ratio Rating	-2.5102	Integrated DC KW-HRS	1.6913	Manufacturer Fuel Economy	22.7172599		
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Drive Trace Inertia Work Ratio Rating	-2.5102																		
Integrated DC KW-HRS	1.6913																		
Manufacturer Fuel Economy	22.7172599																		
Charge Depleting Bag/Phase #8																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>23.344</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-2.7811</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.5507</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-4.16</td></tr><tr><td>Integrated DC KW-HRS</td><td>8.5731</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.7250685</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	23.344	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-2.7811	Drive Trace Energy Economy Rating	-1.5507	Drive Trace Inertia Work Ratio Rating	-4.16	Integrated DC KW-HRS	8.5731	Manufacturer Fuel Economy	36.7250685		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	23.344																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-2.7811																		
Drive Trace Energy Economy Rating	-1.5507																		
Drive Trace Inertia Work Ratio Rating	-4.16																		
Integrated DC KW-HRS	8.5731																		
Manufacturer Fuel Economy	36.7250685																		
Manufacturer Test Comments	MY27 VW ID. Buzz 20inch tested in D-mode.																		

Fuel Properties	
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Certification Summary Information Report

Test Group		VVGAJ00.0VSR			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Multi-Cycle Test (MCT)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Multi-Cycle Test (MCT)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Both	
Vehicle Class		LDV/Passenger Car			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Federal fuel 2-day exhaust (w/can load)	
Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VVGAI00.0VSR	Evaporative/Refueling Family		--
Glossary					
Useful Life					
4	4,000 miles		120	120,000 miles	
50	50,000 miles		150	150,000 miles	
100	100,000 miles				
Emission Name					
HC-TOTAL	Total Hydrocarbon		COMB-CREE	Combined Carbon-Related Exhaust Emissions	
CO	Carbon Monoxide		COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions	
CO2	Carbon dioxide		HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only	
CREE	Carbon-Related Exhaust Emissions		METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only	
OPT-CREE	Optional Carbon-Related Exhaust Emissions		N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only	
NOX	Nitrogen Oxide		LEAK-DIA	Effective Leak Diameter (inches)	
PM	Particulate Matter		LEAK-GAS CAP	Gas Cap Leakage (cc/min)	
PM-COMP	SFTP Composite Particulate Matter		CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only	
HC-NM	Non-methane Hydrocarbon		KW-HRS	Integrated DC KW-HRS	
OMHCE	Organic material Hydrocarbon Equivalent		CH4 BAG 1	Bag 1 Methane	
OMNMHCE	Organic material non-methane HC equivalent		CH4 BAG 2	Bag 2 Methane	
NMOG	Non-methane organic gases		CH4 BAG 3	Bag 3 Methane	
HCHO	Formaldehyde		CH4 BAG 4	Bag 4 Methane	
H3C2HO	Acetaldehyde		CO BAG 1	Bag 1 Carbon Monoxide	
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03		CO BAG 2	Bag 2 Carbon Monoxide	
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides		CO BAG 3	Bag 3 Carbon Monoxide	
CO-COMP	SFTP Composite Carbon Monoxide		CO BAG 4	Bag 4 Carbon Monoxide	
ETHANOL	C2H5OH - Ethanol		NMOG BAG 1	Bag 1 Non-methane organic gases	
FE BAG 1	Bag 1 Fuel Economy		NMOG BAG 2	Bag 2 Non-methane organic gases	
FE BAG 2	Bag 2 Fuel Economy		NMOG BAG 3	Bag 3 Non-methane organic gases	
FE BAG 3	Bag 3 Fuel Economy		NMOG BAG 4	Bag 4 Non-methane organic gases	
FE BAG 4	Bag 4 Fuel Economy		ACT-DISTANCE BAG 1	Bag 1 Actual Distance	
MFR FE	Manufacturer Fuel Economy		ACT-DISTANCE BAG 2	Bag 2 Actual Distance	
HC	Hydrocarbon for Running Loss and ORVR		ACT-DISTANCE BAG 3	Bag 3 Actual Distance	
METHANE	CH4 - Methane		ACT-DISTANCE BAG 4	Bag 4 Actual Distance	
METHANOL	CH3OH - Methanol		HC-TOTAL BAG 1	Bag 1 Total Hydrocarbon	
N2O	Nitrous Oxide		HC-TOTAL BAG 2	Bag 2 Total Hydrocarbon	
SPITBACK	Spitback Hydrocarbon in grams		HC-TOTAL BAG 3	Bag 3 Total Hydrocarbon	
AMP-HRS	Integrated Amp-hours		HC-TOTAL BAG 4	Bag 4 Total Hydrocarbon	
START-SOC	System Start State of Charge Watt-hours		WATT-HRS BAG 1	Bag 1 Watt Hours	
END-SOC	System End State of Charge Watt-hours		WATT-HRS BAG 2	Bag 2 Watt Hours	

Certification Summary Information Report

Test Group		VVGAI00.0VSR	Evaporative/Refueling Family		--
ACT-DISTANCE	Actual Distance Driven (miles)		WATT-HRS BAG 3	Bag 3 Watt Hours	
AS-VOLT	Average System Voltage		WATT-HRS BAG 4	Bag 4 Watt Hours	
CO2 BAG 1	Bag 1 Carbon Dioxide		WATT-HRS	Watt Hours	
CO2 BAG 2	Bag 2 Carbon Dioxide		HC-NM BAG 1	Bag 1 Non-methane Hydrocarbon	
CO2 BAG 3	Bag 3 Carbon Dioxide		HC-NM BAG 2	Bag 2 Non-methane Hydrocarbon	
CO2 BAG 4	Bag 4 Carbon Dioxide		HC-NM BAG 3	Bag 3 Non-methane Hydrocarbon	
NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides		HC-NM BAG 4	Bag 4 Non-methane Hydrocarbon	
NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides		N2O BAG 1	Bag 1 Nitrous Oxide	
DT-IWRR	Drive Trace Inertia Work Ratio Rating		N2O BAG 2	Bag 2 Nitrous Oxide	
DT-ASCR	Drive Trace Absolute Speed Change Rating		N2O BAG 3	Bag 3 Nitrous Oxide	
DT-EER	Drive Trace Energy Economy Rating		N2O BAG 4	Bag 4 Nitrous Oxide	
Certification Region					
CA	California + CAA Section 177 states		FA	Federal	
Exhaust Emission Standard Level					
B1	Federal Tier 2 Bin 1		HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340	
B2	Federal Tier 2 Bin 2		HDV2B250	Federal Tier 3 HD Class 2b Bin 250	
B3	Federal Tier 2 Bin 3		HDV2B200	Federal Tier 3 HD Class 2b Bin 200	
B4	Federal Tier 2 Bin 4		HDV2B170	Federal Tier 3 HD Class 2b Bin 170	
B5	Federal Tier 2 Bin 5		HDV2B150	Federal Tier 3 HD Class 2b Bin 150	
B6	Federal Tier 2 Bin 6		HDV2B0	Federal Tier 3 HD Class 2b Bin 0	
B7	Federal Tier 2 Bin 7		HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630	
B8	Federal Tier 2 Bin 8		HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570	
B9	Federal Tier 2 Bin 9		HDV3B400	Federal Tier 3 HD Class 3 Bin 400	
B10	Federal Tier 2 Bin 10		HDV3B270	Federal Tier 3 HD Class 3 Bin 270	
B11	Federal Tier 2 Bin 11		HDV3B230	Federal Tier 3 HD Class 3 Bin 230	
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)		HDV3B200	Federal Tier 3 HD Class 3 Bin 200	
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)		HDV3B0	Federal Tier 3 HD Class 3 Bin 0	
L2	California LEV-II LEV		L4SULEV100	California LEV-IV SULEV100	
L2OP	California LEV-II LEV Optional		L4SULEV125	California LEV-IV SULEV125	
U2	California LEV-II ULEV		L4SULEV15	California LEV-IV SULEV15	
S2	California LEV-II SULEV		L4SULEV150	California LEV-IV SULEV150	
ZEV	California ZEV		L4SULEV170	California LEV-IV SULEV170	
OT	Other		L4SULEV175	California LEV-IV SULEV175	
T1	Federal Tier 1		L4SULEV20	California LEV-IV SULEV20	
PZEV	California PZEV		L4SULEV200	California LEV-IV SULEV200	
L2LEV160	California LEV-II LEV160		L4SULEV230	California LEV-IV SULEV230	
L2ULEV125	California LEV-II ULEV125		L4SULEV25	California LEV-IV SULEV25	
L2SULEV30	California LEV-II SULEV30		L4SULEV30	California LEV-IV SULEV30	
L2LEV395	California LEV-II LEV395		L4SULEV75	California LEV-IV SULEV75	

Certification Summary Information Report

Test Group		VVGAJ00.0VSR	Evaporative/Refueling Family		--
L2ULEV340	California LEV-II ULEV340		L4SULEV85	California LEV-IV SULEV85	
L2LEV630	California LEV-II LEV630		L4ULEV125	California LEV-IV ULEV125	
L2ULEV570	California LEV-II ULEV570		L4ULEV200	California LEV-IV ULEV200	
L3LEV160	California LEV-III LEV160		L4ULEV250	California LEV-IV ULEV250	
L3ULEV125	California LEV-III ULEV125		L4ULEV270	California LEV-IV ULEV270	
L3ULEV70	California LEV-III ULEV70		L4ULEV40	California LEV-IV ULEV40	
L3ULEV50	California LEV-III ULEV50		L4ULEV400	California LEV-IV ULEV400	
L3SULEV30	California LEV-III SULEV30		L4ULEV50	California LEV-IV ULEV50	
L3SULEV20	California LEV-III SULEV20		L4ULEV60	California LEV-IV ULEV60	
L3LEV395	California LEV-III LEV395		L4ULEV70	California LEV-IV ULEV70	
L3ULEV340	California LEV-III ULEV340		T4B170	Federal Tier 4 MDV Bin 170	
L3ULEV250	California LEV-III ULEV250		T4B150	Federal Tier 4 MDV Bin 150	
L3ULEV200	California LEV-III ULEV200		T4B125	Federal Tier 4 MDV Bin 125	
L3SULEV170	California LEV-III SULEV170		T4B100	Federal Tier 4 MDV Bin 100	
L3SULEV150	California LEV-III SULEV150		T4B85	Federal Tier 4 MDV Bin 85	
L3LEV630	California LEV-III LEV630		T4B75	Federal Tier 4 MDV Bin 75	
L3ULEV570	California LEV-III ULEV570		T4B70	Federal Tier 4 Bin 70	
L3ULEV400	California LEV-III ULEV400		T4B65	Federal Tier 4 Bin 65	
L3ULEV270	California LEV-III ULEV270		T4B60	Federal Tier 4 Bin 60	
L3SULEV230	California LEV-III SULEV230		T4B55	Federal Tier 4 Bin 55	
L3SULEV200	California LEV-III SULEV200		T4B50	Federal Tier 4 Bin 50	
T3B160	Federal Tier 3 Bin 160		T4B45	Federal Tier 4 Bin 45	
T3B125	Federal Tier 3 Bin 125		T4B40	Federal Tier 4 Bin 40	
T3B110	Federal Tier 3 Transitional Bin 110		T4B35	Federal Tier 4 Bin 35	
T3B85	Federal Tier 3 Transitional Bin 85		T4B30	Federal Tier 4 Bin 30	
T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover		T4B25	Federal Tier 4 Bin 25	
T3B70	Federal Tier 3 Bin 70		T4B20	Federal Tier 4 Bin 20	
T3B50	Federal Tier 3 Bin 50		T4B15	Federal Tier 4 Bin 15	
T3B30	Federal Tier 3 Bin 30		T4B10	Federal Tier 4 Bin 10	
T3B20	Federal Tier 3 Bin 20		T4B5	Federal Tier 4 Bin 5	
T3B0	Federal Tier 3 Bin 0		T4B0	Federal Tier 4 Bin 0	
HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395				
Transmission Type Code					
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual		
A	Automatic	OT	Other		
AM	Automated Manual	SA	Semi-Automatic		
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)		
Drive System Code					
4	4-Wheel Drive	P	Part-time 4-Wheel Drive		

Certification Summary Information Report

Test Group		VVGAJ00.0VSR	Evaporative/Refueling Family		--
F	2-Wheel Drive, Front		A	All Wheel Drive	
R	2-Wheel Drive, Rear				
Additional Terms and Acronyms					
AFC	Alternative Fuel Converter		ICI	Independent Commercial Importer	
CSI	Certificate Summary Information		ORVR	Onboard Refueling Vapor Recovery	
DF	Deterioration Factor		SIL	Shift Indicator Light	
Evap	Evaporation, Evaporative		Trans	Transmission	

8. Emission Testing Waiver Statements

Not Applicable

9.0 OBD System Description

Not Applicable

10. Description of Alternate Fueled Vehicles

Not applicable

11. Auxiliary Emission Control Devices (AECD) Descriptions

Not Applicable

12.0 List of Certified Vehicles

Durability Group	VVGAEENVNVS
Test Group	VVGAJ00.0VSR
Evap Family	N/A
Emission Control System:	N/A

Engine Displacement:	0.0 liter
Valves per Cylinder:	N/A
Sales Area:	50 states
MMS:	N/A
SIL:	N/A

Engine Code	Model	Vehicle Class	Engine Code Characteristics			HP @RPM	Torque @RPM [lb-ft]	Trans. / OD	ETW [lbs]	Curb Weight [lbs]	GVWR [lbs]	Tire size	N/V Ratio (RR)	Number of seats
			Cat. Code	Com-pressi on ratio	Idle [rpm]									
EEWB	ID. Buzz Pro S (USA, w/o flex board)	LDV	N/A	N/A	N/A	Please see Section 12.3	Please see Section 12.3	EQ550-1P	6000	5948	7341	Front: 235/50 R20 Rear: 265/45 R20	112.2	7 seats
	ID. Buzz Pro S Plus (USA, with flex board)	LDT							6500	6045 / 6058	7187 / 7341	Front: 235/50 R20 Rear: 265/45 R20	112.2	6 seats / 7 seats
	ID. Buzz Pro S Plus - 21in wheels WC (USA, with flex board)	LDT							6500	6045 / 6058	7187 / 7341	Front: 235/45 R21 Rear: 265/40 R21	112.4	6 seats / 7 seats
	ID. Buzz Base* (Canada, w/o flex board)	LDV							6000	5805	7297	Front: 235/50 R20 Rear: 265/45 R20	112.2	5 seats

* In the U.S., the 7-seat ID. Buzz Pro S is offered, while in Canada it’s available only as the 5-seat ID. Buzz Base

12.1 Transmissions

Transmission	Transmission Characteristic				
	Drivetrain	Gear Count	Gearbox Ratios		
			Axle	Gear 1	Drive Ratio
EQ550-1P	RWD	1	3.895	2.519	9.809

12.2 Test conditions

Model	Region	ETW	Road Track Coefficients						TRL50	TCDT	Fan Pos.	Drive Mode for Testing	Shift Sched. I.D.	J1634 Version used:	CSC Length
			F0	F1	F2	F0	F1	F2							
		[lbs]	[lb*f]	[lb*f/mph]	[lb*f/(mph)²]	[N]	[N/(km/h)]	[N/(km/h)²]	[hp]	[s]					[min]
ID. Buzz Pro S	USA	6000	37.10	0.2014	0.02554	165.04	0.5567	0.04386	14.8	25.4	20	D mode	automatic	2017	160
ID. Buzz Pro S Plus	USA	6500	38.88	0.2207	0.02554	172.94	0.6101	0.04386	15.2	26.8	20	D mode	automatic	2017	160
ID. Buzz Pro S Plus - 21in wheels WC	USA	6500	44.05	0.2207	0.02588	195.93	0.6101	0.04445	16.0	25.5	20	D mode	automatic	2017	160
ID. Buzz Base*	CAN	6000	37.10	0.2014	0.02554	165.04	0.5567	0.04386	14.8	25.4	20	D mode	automatic	2017	160

* In the U.S., the 7-seat ID. Buzz Pro S is offered, while in Canada it’s available only as the 5-seat ID. Buzz Base.

Vehicle starting procedure:

Turning on the ignition by sitting on the driver-seat or by pressing the “Stop/Start” button.
The vehicle will show “ON” in the instrument cluster.
To get the vehicle into “READY” the doors must be closed and the seatbelts have to be buckled in.
By pressing the brake pedal and shifting the gear lever into ether R or D/B the car will switch into “READY”.

ESP/ABS Deactivation procedure

Dyno Mode must be activated.
Refer to Section 16 for Dyno Mode activation procedure.

Fan Position during dyno testing:

MCT = Road Speed Fan (Modulated)

Automatic Headlight System:

Automatic headlight system must be disabled prior to any emissions or fuel economy / range testing. Automatic headlights can be turned off via the infotainment system.
Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the automatic headlights.

Daytime Running Lights (DRL):

Daytime running lights must be disabled prior to fuel economy / range testing. DRLs can be turned off via the infotainment system.
Please contact VWGoA Engineering and Environmental Office if you need assistance with disabling the daytime running lights.

SAE Tested Version:

Vehicles in this test group were tested according to SAE J1634 ver. 2017.
Constant Speed used for test: 65mph
CSC Length: see table above

12.3 e-Motor Details

Model Name	VW ID. Buzz Pro S / Pro S Plus / Base
Engine Identification Number	Rear: EEWB
Engine Management System	Vitesco
Nominal Voltage	374 V
<u>EEWB (Rear Axle)</u>	
Transmission Arrangement (Parallel / Transaxial / Other)	Direct drive
Motor Maximum Speed	~ 13000 rpm
Gearbox Outlet Shaft (gear engaged)	Direct Drive
Direct Current (DC) / Alternating Current (AC) number of phases	Alternating Current (AC) / 3 phases
Maximum Net Torque (at zero speed)	560 Nm
Maximum Net Power	210 kW
Maximum Net Torque	560 Nm
Horsepower	282 HP

12.4 Battery details

Battery Manufacturer	SKon
Battery Type / Chemistry	Lithium Ion (NCM)
Number of Battery Cells	312
Cell Design	Pouch
Number of Battery Modules	13
Battery Cathode	Nickel, Cobalt, Manganese
Battery Anode	Graphite
Electrolyte Type	Organic liquid
Total Weight of Battery System	554 kg
Nominal voltage	374 V
Battery Working Voltage	240-436.8 V
Total System Energy Capacity (Ah) *	Gross: 233.1 Ah
Energy Density (Wh/Kg) *	160.45 Wh/kg
Battery Thermal Management	liquid external

(*) Battery capacity and energy density were measured on a single cell basis and this single data was used to estimate the pack level capacity and energy density.

12.5 Charging details

The 11kW charging unit converts the AC current from the charging connection to DC current. It is located in the rear of the vehicle. The charging unit itself is water-cooled.

Input Voltage Range (AC)	180 V – 264 V
Output Voltage Range (DC)	195 V - 470 V
Phases	1, 2- phase AC charging
Max. AC charging power	~ 11 kW
Efficiency	94 %
Operating range	-40°C - 65°C
Weight	9.8 kg

Connecting the charging cable

1. Unlock the vehicle
2. Press gently on the charging socket flap to open it
3. Remove the charging cable from the charging station and fully unwind
4. Insert the charging connector straight into the charging socket and check that it is fully plugged in

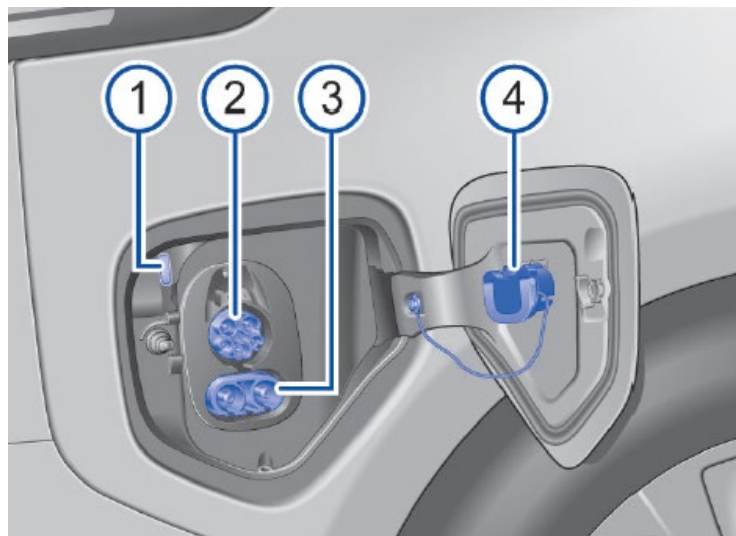
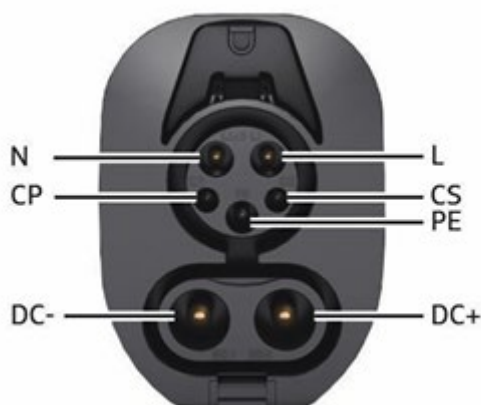


Figure: Behind the rear-right charging socket flap:

1. Charging process indicator
2. Charging socket with AC connection
3. Charging socket with DC connection
4. Protective cap on the support

High-voltage battery charging socket



Starting the charging process

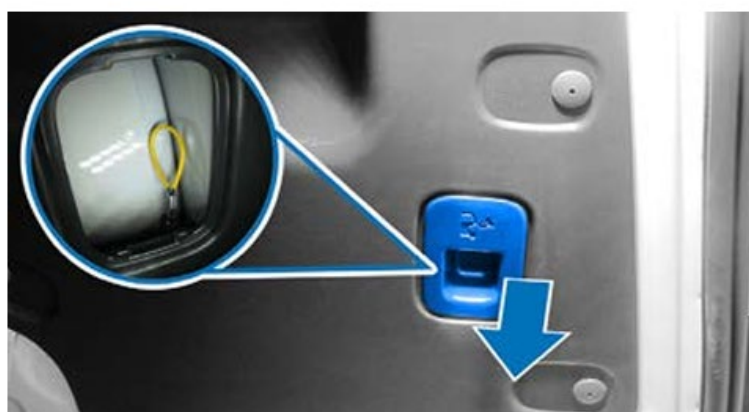
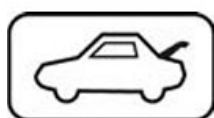
To achieve the desired range with immediate charging, set the maximum battery charge level on the charging information screen.

Charging displays

Light on charging unit		Meaning
White	Blinking	Connecting
Green	Pulsing	Charging high-voltage battery
Green	Pulsating and flashing red	Emergency charging mode active. Reduced charging power, fault detected, e.g. the charging connector is not fully inserted
Green	Lit up	Charging process completed
Green	Flashing	A time-delayed charging process has been activated and has not yet begun.
Red	Lit up	Charging system malfunction or an error has occurred

If the charging connector cannot be removed from the vehicle charging connection, unlock the vehicle via the central locking system. Immediately unplug the charging connector. If this is not successful, manually unlock the charging connector as described in the manual.

The picture below shows the emergency release of the charging connector located in the right luggage compartment trim.



Charging times

Charging time for direct current (DC)	With maximum charging output (10% to ≤ 80 %)	27 min
Recharged Energy for direct current (DC)	in 10 min max. DC	29 kWh
Charging time for alternating current (AC)	With 11 kW (0% to ≤ 100 %)	9 h
Recharged Energy for alternate current (AC)	in 1h max. AC	9.6 kWh

Charging Cord

Manufacturer	Ampure
Length	5.8m (Cordset) + 0.3m (Plug) = 6.1m = 20.013 ft
Dual Amperage Capability	Yes, multiple
Level 1 (120V) max. Current	12A and 8A
Level 2 (240V) max. Current	40A, 24A, and 16A
Level 1 and Level 2 configurability	Yes, Charger-kit comes with 2 plugs (NEMA 5-15 and NEMA 14-40)
Description of user-selectable amperage downgrade capabilities	Integrated into Cord via single button
UL tests performed by	UL Solutions (4791487511.4)



Certificate of Compliance

Certificate Number:

UL-US-2555599-0

Report Reference:

E349374-20250331

Issue Date:

2025-04-01

Issued to:

SUZHOU CHILYE GREEN TECHNOLOGY CO LTD
No. 2 RuiEn Lane, Xingpu Rd, SIP, Suzhou, Jiangsu Sheng,
215000, CN

This certificate confirms that representative samples of:

FFVI2 - Electric Vehicle Plugs, Receptacles and Couplers - Component

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 2251, Edition 4, Revision Date 2022-12-15

Additional Information:

See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



A handwritten signature in black ink, appearing to read 'David Piecuch'.

David Piecuch
UL Mark Certification Program Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

CERTIFICATE OF COMPLIANCE

Certificate number UL-US-2555599-0
Report reference E349374-20250331
Date 2025-04-01

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Vehicle Connector

Model(s): 5913936, 5914724



Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at <https://www.ul.com/contact-us>.

13.0 Test Group Projected Sales

Refer to Section 16 of this Test Group Application

13.1 Compliance Plans

Refer to Section 16 of the Common Section

14.0 Request for Certificate

See Section 15 Correspondence Letter

14.1 Statement of Compliance

Not Applicable

14.2 Durability Statement

Not Applicable

15.0 Other Information

15.1 Revision Index

[illegible]

15.2 Running Change (RC) / Field Fix (FF) Log

Running Change / Field Fix Log for test group only.

Model Year: 2027

Test Group: VVGAJ00.0VSR

Product Group:	IT & Accessories
Models:	ID. Buzz Pro S, ID. Buzz Pro S Plus

Evaporative Family: N/A

[illegible]

15.3 ORVR Safety Application for Carry-Over ORVR Systems

Not Applicable

US EPA Fee Form

[Help and EPA Instructions](#)

* Required Field

General Information

Date: 02/18/2026

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

VGA

Manufacturer Name *

Volkswagen Group of America

Contact Name *

Greg Allen

Contact Email Address *

Gregory.Allen@vw.com

Contact Phone *

248-754-4209

Calendar Year complete application submitted
to EPA *

2026

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2026, through December 31, 2026. The applicable fee is determined by the

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

VVGAJ00.0VSR

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- ☒ On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- ☐ On-Highway HDE Dyno Cert (Federal) (E, H)
- ☐ On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- ☐ On-Highway Motorcycle (C)
- ☐ On-Highway HDV Evap (F)
- ☐ On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- ☐ On-Highway HDE Dyno Cert (California-Only) (E, H)
- ☐ Nonroad CI (L)
- ☐ Nonroad SI (B, S)
- ☐ Locomotive (G, K)
- ☐ All Nonroad Recreational, excluding Marine engines (X, Y)
- ☐ All Marine (Including IMO) (M, N, W)
- ☐ Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

\$32,317.00

Payment Type *

Offline ACH

Comments

MY2027 Certification Fee for VVGAI00.0VSR
Pay.gov Tracking ID: 27VNMDBF
Agency Tracking ID: 77300730085

EPA Form Number 3520-29

OMB Control No. 2060-0545

Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

VOLKSWAGEN

GROUP OF AMERICA

Mr. Joshua Kimball
Compliance and Innovative Strategies Division
Office of Mobile Sources
U. S. Environmental Protection Agency
2000 Traverwood Drive
Ann Arbor, MI 48105

Anthony D'Ambrosi Name
Dir. Homologation Title
EEO - Certification Department
(248) 754-4396 Phone
Tony.DAmbrosi@vw.com E-Mail

April 23, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAJ00.0VSR with Evaporative Family N/A.

Dear Mr. Kimball,

We submit, with this letter, the model year 2027 Part 1 Application for Emissions Certification
for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
VVGAJ00.0VSR	Tier 4 Bin 0 (Interim) ZEV	Federal California

Copies of the Certification Fee filing form is contained in sections 15 of the included
electronic application.

All vehicles within this test group comply with all applicable regulations contained in
40 CFR Part 86, Part 1066 and the compliance statements contained in sections 8
and 14.

This submission constitutes our final application and the request for issuance of a
Certificate of Conformity.

If you have any questions with regard to this information, please contact our office in
Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony
VWPKI
5406C07D40F4331C

Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.04.23 09:21:31 -04'00'

Anthony D'Ambrosi
Volkswagen Group of America, Inc.
Engineering and Environmental Office

Enclosure(s)

VOLKSWAGEN

GROUP OF AMERICA

Ms. Robin U. Lang, Chief
Emissions Certification and Compliance Division
California Air Resources Board
4001 Iowa Avenue
Riverside, California 92507

Anthony D'Ambrosi Name
Dir, Homologation Title
EEO - Certification Department
(248) 754-4396 Phone
Tony.DAmbrosi@vw.com E-Mail

March 04, 2026 Date

Subject: MY 2027 Volkswagen Group Light Duty Vehicle Initial Application for Emissions
Certification for Test Group VVGAJ00.0VSR with Evaporative Family N/A.

Dear Ms. Lang,

We submit, with this letter, the model year 2027 Part 1 Application for Emissions Certification
for the following Test Group:

<u>Test Group</u>	<u>Standards</u>	<u>Sales Area</u>
VVGAJ00.0VSR	Tier 4 Bin 0 ZEV	Federal California

This submission constitutes our final application and the request for issuance of the
Executive Order.

If you have any questions with regard to this information, please contact our office in
Auburn Hills at (248) 754-4396.

Sincerely,

D'Ambrosi Anthony
VWPKI
5406C07D40F4331C
Digitally signed by D'Ambrosi
Anthony VWPKI
5406C07D40F4331C
Date: 2026.03.04 07:46:32 -05'00'

Tony D'Ambrosi
Volkswagen Group of America, Inc.
Engineering and Environmental Office

Enclosure(s)

California ARB Information

17.1 California Compliance Statements

Production Vehicle same as Test Vehicle Statement

The production vehicles represented by the particular engine families will be in all material respects of the same design as those for which vehicle approval is granted.

Environmental Performance Label Information

VW Group applies new EPA label in lieu of the CA EP label.

California Emissions Warranty Statement

Please refer to California Emissions Warranty booklets located in Section 16 of the Common Section.

17.2 Fill Pipe Specifications

Not applicable

17.3 Evaporative Emission Deterioration Program

Not applicable

17.4 Assembly line NMOG / NMHC Factor

Not applicable

17.5 Continuity of Emissions

Not applicable

17.6 Applicable Deterioration Factors

Not applicable

17.7 Method of Determining Battery State-Of-Charge

SOC can be viewed via the instrumental-cluster, the MMI -> Vehicle -> Charging or via OBD internal signals. For further information, please reference the vehicle owner's manual.

17.8 Battery Charging Capacity

Please refer to Section 12.4 Battery details

17.9 Recharging Procedures

Please refer to Section 12.5 Charging details

17.10 Climate Control System Description

Please refer to Section 16.7

17.11 Battery Specific Energy data and Calculations (C/3 energy capacity)

Please refer to the separately provided C/3 report.

The specific energy of batteries used to power a ZEV was determined in accordance with the U.S. Advanced Battery Consortium's Electric Vehicle Battery Procedure Manual (January 1996), Procedure No. 2, "Constant Current Discharge Test Series," using the C/3 rate. The weight calculation (section 12.4) reflects a completely functional battery system as defined in the Appendix of the Manual, including pack(s), required support ancillaries (e.g., thermal management), and electronic controller.

17.12 Proper and Safe Operation of the Vehicle

Please refer to Section 16.4

VWGoA has implemented a nationwide recycling program for the transportation and recycling of lithium ion (li-ion) batteries used to power full battery electric vehicles (BEVs) and plug-in hybrid electric vehicles (PHEVs). The program is available to affiliate dealers.

Additionally, as part of the Alternative Fuel Vehicles Safety Training Program, VW Group vehicles have an extensive list of precautionary / safety related measures that can be found at the links below:

Volkswagen:

<https://www.nfpa.org/education-and-research/emergency-response/emergency-response-guides/volkswagen>

Audi:

<https://www.nfpa.org/education-and-research/emergency-response/emergency-response-guides/audi>

17.13 Vehicle and Battery Break-in

Volkswagen Group BEV's are operated either on-track or on a mileage accumulation dynamometer for 2,000 miles using the Standard Road Cycle (SRC).

21.0 Vehicle Emission Control Information Label

VW Volkswagen LOGO VEHICLE EMISSION CONTROL INFORMATION		
Conforms to regulations: 2027 MY BEV		
U.S. EPA: BIN0 LDV	OBD: N/A	Fuel: Electric
California: ZEV PC	OBD: N/A	Fuel: Electric
No adjustments needed		
Group: VVG AJ00.0VSR Evap: N/A	DMC	0EH 010 005 AG

VW Volkswagen LOGO VEHICLE EMISSION CONTROL INFORMATION		
Conforms to regulations: 2027 MY BEV		
U.S. EPA: BIN0 LDT4	OBD: N/A	Fuel: Electric
California: ZEV LDT	OBD: N/A	Fuel: Electric
No adjustments needed		
Group: VVG AJ00.0VSR Evap: N/A	DMC	0EH 010 005 AH

21.2 Powertrain Control Modul (PCM) Information

Model	Engine Code	SW-Part number / Master	Cal ID	CVN	Comments
ID. Buzz	EEWB	0EA906018DF 5237	0EA018DF5237IIBu	928AE49D	heatpump
			0EA018DF5237EzbW	86D214D8	w/o heatpump

21.3 In Car Application Server (ICAS) Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	1EE937012M	K644	

21.4 Brake System Control Module (BSCM) Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	1EA907379BB	0763	

21.5 Sensor Actuator Module (SAM) Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	1EE937089N	G609	

21.6 Battery Energy Control Module (BECM) Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	0Z1915184BD	1202	

21.7 Drive Motor Control Module 1 (DMCM 1) Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	0ET909920C	7382	

21.9 Air Conditioning Control Module Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	1EE907007E	0370	

21.10 Electric AC Compressor (EKK) Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	1N3816797D	1451	

21.11 Onboard Charger DC/DC Converter Information

Model	Engine Code	SW-Part number	Master	Comments
ID. Buzz	EEWB	1EK915692BH	2504	