

Certification Summary Information Report

Manufacturer	Rivian Automotive LLC	Manufacturer Code	RIV
Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Certificate Number	VRIVT00.0SEP-002	CARB Executive Order #	--
Certificate Issue Date	07/07/2026	Certificate Revision Date	--
Certificate Effective Date	07/07/2026	Conditional Certificate	No
CSI Revision #	--	CSI Submission/Revision Date	07/02/2026 01:28:31 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	MDPV
Federal Clean Fuel Vehicle	Yes	Federal Clean Fuel Vehicle Standard	ZEV
Federal Clean Fuel Vehicle ILEV	No	California Partial Zero Emissions Vehicle Indicator	--
Durability Group Name	VRIVR00000SEP	Durability Group Equivalency Factor	1
Reduced Fee Test Group	No	Certification Region Code(s)	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	07/06/2026	CAP2000 Conditional Certificate?	No
Independent Commercial Importer?	No	Alternative Fuel Converter Certificate?	No
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	VRIVT00.0SEP
Test Group OBD Compliance Level	Full - no deficiencies	Number of Test Group OBD Deficiencies	0
OBD Deficiencies Comments	OBD COMPLIANCE IS NOT APPLICABLE TO ZEV. PARAMETERS ARE PLACEHOLDERS TO ALLOW DATASET SUBMISSION.		
Mfr Test Group Comments	TEST GROUP COVERS NEW VEHICLE MODEL NAMES: Rivian R1T Premium Long Range (20in), Rivian R1S Premium Long Range (20in), Rivian R1T Premium Long Range (22in), Rivian R1S Premium Long Range (22in), Rivian R1T Premium Long Range (20in AT), Rivian R1S Premium Long Range (20in AT) DURABILITY IS NOT APPLICABLE TO ZEV. PARAMETERS ARE PLACEHOLDERS TO ALLOW DATASET SUBMISSION.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VRIVT00.0SEP		Evaporative/Refueling Family		--		
Models Covered by this Certificate							
Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Rivian Automotive LLC	1 - Rivian	552 - R1S Premium Long Range (22in)	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	552 - R1S Premium Long Range (22in)	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	720 - R1T Premium Long Range (20in)	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	752 - R1T Premium Long Range (22in)	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	520 - R1S Premium Long Range (20in)	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	750 - R1T Premium Long Range (20in AT)	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	750 - R1T Premium Long Range (20in AT)	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	550 - R1S Premium Long Range (20in AT)	California + CAA Section 177 states	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	720 - R1T Premium Long Range (20in)	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	752 - R1T Premium Long Range (22in)	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	520 - R1S Premium Long Range (20in)	Federal	Part-time 4-Wheel Drive	Automatic	1	No
Rivian Automotive LLC	1 - Rivian	550 - R1S Premium Long Range (20in AT)	Federal	Part-time 4-Wheel Drive	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	--						

Certification Summary Information Report

Test Group		VRIVT00.0SEP				Evaporative/Refueling Family		--			
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	--		--		--						
Hybrid Electric Vehicle And Fuel Cell Information											
Rechargable Energy Storage System	Battery(s)				Rechargable Energy Storage System, if Other		--				
Battery Type	Lithium Ion				Number of Battery Packs		1				
Total Voltage of Battery Packs	392				Battery Energy Capacity		382				
Battery Specific Energy	190				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	Both				Driver Controlled Regenerative Braking		Yes				
Mfr Regenerative Braking Description	--										
Drive Motor(s)/Generator(s)	2										
Motor/Generator Type 1	AC Permanent Magnet				Rated Motor/Generator Power		264				
Motor/Generator Type 2	AC Permanent Magnet				Rated Motor/Generator Power		264				
Mfr Fuel Cell Description	--										
Fuel Cell On-Board H2 Storage Capacity (kg)	--				Usable H2 Fill Capacity (kg)		--				
Mfr Hybrid Electric/ Electric Vehicle Comments	All-Purpose (Default) Drive Mode										

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S247XR20 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SRIVT00.0SEP	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Performance Dual Max (20in)						
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	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	264X2RW	Rated Horsepower	665						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	Part-time 4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6723	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0SEP			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	42.03	0.6373	0.0194	-9.41	0.1571	0.02363	16.3	
Cold CO	46.23	0.701	0.02134	-16.11	-0.068	0.0263	N/A	
US06	42.03	0.6373	0.0194	-9.41	0.1571	0.02363	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 139.5 RDU N/V: 112.0						

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085608	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/20/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3573	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.25	--
DT-EER (Drive Trace Energy Economy Rating)	0.93	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.1	--
MFR FE (Manufacturer Fuel Economy)	25.52	132.072884
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" Tires. Cycle 1: 284.89 Wh/mi, Cycle 2: 232.02 Wh/mi, Cycle 3: 275.89 Wh/mi, Cycle 4: 231.46 Wh/mi.

Certification Summary Information Report

Test Group		VRIVT00.0SEP			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	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085606	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/20/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3573	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.56	--
DT-EER (Drive Trace Energy Economy Rating)	0.21	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.58	--
MFR FE (Manufacturer Fuel Economy)	28.68	117.5209205
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" Tires. Cycle 1: 286.83 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085610	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/21/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3605	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.17	--
DT-EER (Drive Trace Energy Economy Rating)	-0.75	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-1.57	--
MFR FE (Manufacturer Fuel Economy)	38.69	87.1155337
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" Tires. Cycle 1 (City1): 362.67 Wh/mi, Cycle 2 (HWY): 385.73 Wh/mi, Cycle 3 (City2): 462.82 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085612	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/20/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3598	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.6	--
DT-EER (Drive Trace Energy Economy Rating)	-0.23	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.26	--
MFR FE (Manufacturer Fuel Economy)	33.71	99.9851676
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" Tires. Cycle 1: 337.14 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--																
Test #	SRIV10085604	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	02/23/2024	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	3783	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	162.33																
Charge Depleting Range (Calculated miles)	584.21	Charge Depleting Range (Actual miles)	584.21																
Charge Depleting Range Highway (Calculated miles)	499.2	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	584.21																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.448</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.49</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.88</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.64</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.962</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.34</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.448	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.49	Drive Trace Energy Economy Rating	-0.88	Drive Trace Inertia Work Ratio Rating	-0.64	Integrated DC KW-HRS	1.962	Manufacturer Fuel Economy	26.34
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.448																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.49																		
Drive Trace Energy Economy Rating	-0.88																		
Drive Trace Inertia Work Ratio Rating	-0.64																		
Integrated DC KW-HRS	1.962																		
Manufacturer Fuel Economy	26.34																		
Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	10.258
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.11
		Drive Trace Energy Economy Rating	-0.1
		Drive Trace Inertia Work Ratio Rating	0.28
		Integrated DC KW-HRS	2.948
		Manufacturer Fuel Economy	28.74
Charge Depleting Bag/Phase #3			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.452
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	-0.05
		Drive Trace Energy Economy Rating	-0.21
		Drive Trace Inertia Work Ratio Rating	0.2
		Integrated DC KW-HRS	1.836
		Manufacturer Fuel Economy	24.63
Charge Depleting Bag/Phase #4			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	293.285
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	12.56
		Drive Trace Energy Economy Rating	-1.39
		Drive Trace Inertia Work Ratio Rating	25.1
		Integrated DC KW-HRS	105.57
		Manufacturer Fuel Economy	35.99
Charge Depleting Bag/Phase #5			
		Test Result/Emission Name	Unrounded Test Result
		Actual Distance Driven (miles)	7.463
		Carbon-Related Exhaust Emissions	0
		Drive Trace Absolute Speed Change Rating	0.94
		Drive Trace Energy Economy Rating	0.33
		Drive Trace Inertia Work Ratio Rating	1.59
		Integrated DC KW-HRS	1.785
		Manufacturer Fuel Economy	23.92
Charge Depleting Bag/Phase #6			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>10.259</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.26</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.08</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.44</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.882</td></tr><tr><td>Manufacturer Fuel Economy</td><td>28.09</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.259	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.26	Drive Trace Energy Economy Rating	0.08	Drive Trace Inertia Work Ratio Rating	1.44	Integrated DC KW-HRS	2.882	Manufacturer Fuel Economy	28.09
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.259																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.26																		
Drive Trace Energy Economy Rating	0.08																		
Drive Trace Inertia Work Ratio Rating	1.44																		
Integrated DC KW-HRS	2.882																		
Manufacturer Fuel Economy	28.09																		
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>7.456</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.66</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.16</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.15</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.805</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.2</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.456	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.66	Drive Trace Energy Economy Rating	0.16	Drive Trace Inertia Work Ratio Rating	1.15	Integrated DC KW-HRS	1.805	Manufacturer Fuel Economy	24.2
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.456																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.66																		
Drive Trace Energy Economy Rating	0.16																		
Drive Trace Inertia Work Ratio Rating	1.15																		
Integrated DC KW-HRS	1.805																		
Manufacturer Fuel Economy	24.2																		
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>63.622</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.01</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>99</td></tr><tr><td>Integrated DC KW-HRS</td><td>23.073</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.27</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	63.622	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99	Drive Trace Energy Economy Rating	1.01	Drive Trace Inertia Work Ratio Rating	99	Integrated DC KW-HRS	23.073	Manufacturer Fuel Economy	36.27
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	63.622																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99																		
Drive Trace Energy Economy Rating	1.01																		
Drive Trace Inertia Work Ratio Rating	99																		
Integrated DC KW-HRS	23.073																		
Manufacturer Fuel Economy	36.27																		
Manufacturer Test Comments		R1S - Drive Mode: All-Purpose (Default Mode) Performance Dual Motor, Max Battery Pack, and 20" Tires. UDDS1: 263.36 Wh/mi, UDDS2: 246.34 Wh/mi, UDDS3: 239.22 Wh/mi, UDDS4: 242.03 Wh/mi. UDDS1 Energy: 1961.58 Wh HWY1: 287.41 Wh/mi, HWY2: 280.93 Wh/mi MCT Energy: 141858.22 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085613	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/06/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4341	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	162.33
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.594	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.03	
Drive Trace Energy Economy Rating		0.56	
Drive Trace Inertia Work Ratio Rating		1.57	
Integrated DC KW-HRS		1.757	
Manufacturer Fuel Economy		48.89	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>3.864</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.63</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.31</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.9</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.544</td></tr><tr><td>Manufacturer Fuel Economy</td><td>39.96</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.864	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.63	Drive Trace Energy Economy Rating	-0.31	Drive Trace Inertia Work Ratio Rating	0.9	Integrated DC KW-HRS	1.544	Manufacturer Fuel Economy	39.96		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.864																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.63																		
Drive Trace Energy Economy Rating	-0.31																		
Drive Trace Inertia Work Ratio Rating	0.9																		
Integrated DC KW-HRS	1.544																		
Manufacturer Fuel Economy	39.96																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.593</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.72</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.86</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.537</td></tr><tr><td>Manufacturer Fuel Economy</td><td>42.77</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.593	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.72	Drive Trace Energy Economy Rating	1	Drive Trace Inertia Work Ratio Rating	2.86	Integrated DC KW-HRS	1.537	Manufacturer Fuel Economy	42.77		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.593																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.72																		
Drive Trace Energy Economy Rating	1																		
Drive Trace Inertia Work Ratio Rating	2.86																		
Integrated DC KW-HRS	1.537																		
Manufacturer Fuel Economy	42.77																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.863</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.11</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.47</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.65</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.389</td></tr><tr><td>Manufacturer Fuel Economy</td><td>35.96</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.863	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.11	Drive Trace Energy Economy Rating	0.47	Drive Trace Inertia Work Ratio Rating	1.65	Integrated DC KW-HRS	1.389	Manufacturer Fuel Economy	35.96		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.863																		
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Drive Trace Energy Economy Rating	0.47																		
Drive Trace Inertia Work Ratio Rating	1.65																		
Integrated DC KW-HRS	1.389																		
Manufacturer Fuel Economy	35.96																		
Manufacturer Test Comments		R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" Tires. Cycle 1: 488.89 Wh/mi, Cycle 2: 399.63 Wh/mi, Cycle 3: 427.70 Wh/mi, Cycle 4: 359.60 Wh/mi,																	

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1S247XR22 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SRIVT00.0SEP	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1S Performance Dual Max (22in)						
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	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	264X2RW	Rated Horsepower	665						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	Part-time 4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6713	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0SEP			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	42.05	0.4994	0.01991	-6.59	0.182	0.0235	15.6	
Cold CO	46.26	0.5493	0.0219	-9.37	-0.1407	0.02702	N/A	
US06	42.05	0.4994	0.01991	-6.59	0.182	0.0235	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 140.0 RDU N/V: 112.4						

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085602	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/06/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3305	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.62	--
DT-EER (Drive Trace Energy Economy Rating)	1.48	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.24	--
MFR FE (Manufacturer Fuel Economy)	23.78	141.7367536
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 265.03 Wh/mi, Cycle 2: 218.62 Wh/mi, Cycle 3: 257.46 Wh/mi, Cycle 4: 213.52 Wh/mi.

Certification Summary Information Report

Test Group		VRIVT00.0SEP			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	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085603	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/06/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3305	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	3.3	--
DT-EER (Drive Trace Energy Economy Rating)	0.75	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	4.11	--
MFR FE (Manufacturer Fuel Economy)	27.29	123.506779
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 272.90 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085605	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/06/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3330	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-1.93	--
DT-EER (Drive Trace Energy Economy Rating)	-0.75	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.31	--
MFR FE (Manufacturer Fuel Economy)	36.54	92.2413793
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1 (City1): 342.27 Wh/mi, Cycle 2 (HWY): 365.77 Wh/mi, Cycle 3 (City2): 420.60 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085607	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/17/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3426	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.21	--
DT-EER (Drive Trace Energy Economy Rating)	-0.32	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.14	--
MFR FE (Manufacturer Fuel Economy)	32.55	103.5483871
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 325.46 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10084671	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	02/01/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2767	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	162.62
Charge Depleting Range (Calculated miles)	622.7	Charge Depleting Range (Actual miles)	622.7
Charge Depleting Range Highway (Calculated miles)	526.6	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	622.7
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)		7.432	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.46	
Drive Trace Energy Economy Rating		0.73	
Drive Trace Inertia Work Ratio Rating		2.13	
Integrated DC KW-HRS		1.926	
Manufacturer Fuel Economy		25.92	
Charge Depleting Bag/Phase #2			

Charge Depleting Bag/Phase #3

Charge Depleting Bag/Phase #4

Charge Depleting Bag/Phase #5

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>10.271</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.55</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.21</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.69</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.709</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.38</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.271	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.55	Drive Trace Energy Economy Rating	-0.21	Drive Trace Inertia Work Ratio Rating	-0.69	Integrated DC KW-HRS	2.709	Manufacturer Fuel Economy	26.38		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.271																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.55																		
Drive Trace Energy Economy Rating	-0.21																		
Drive Trace Inertia Work Ratio Rating	-0.69																		
Integrated DC KW-HRS	2.709																		
Manufacturer Fuel Economy	26.38																		
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>7.426</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.23</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.39</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.674</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.55</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.426	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.23	Drive Trace Energy Economy Rating	0	Drive Trace Inertia Work Ratio Rating	-0.39	Integrated DC KW-HRS	1.674	Manufacturer Fuel Economy	22.55		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.426																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.23																		
Drive Trace Energy Economy Rating	0																		
Drive Trace Inertia Work Ratio Rating	-0.39																		
Integrated DC KW-HRS	1.674																		
Manufacturer Fuel Economy	22.55																		
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>56.908</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.08</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>51.41</td></tr><tr><td>Integrated DC KW-HRS</td><td>19.648</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.53</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	56.908	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99	Drive Trace Energy Economy Rating	-0.08	Drive Trace Inertia Work Ratio Rating	51.41	Integrated DC KW-HRS	19.648	Manufacturer Fuel Economy	34.53		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	56.908																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	99																		
Drive Trace Energy Economy Rating	-0.08																		
Drive Trace Inertia Work Ratio Rating	51.41																		
Integrated DC KW-HRS	19.648																		
Manufacturer Fuel Economy	34.53																		
Manufacturer Test Comments		R1T - Drive Mode: All-Purpose (Default Mode) Performance Dual Motor, Max Battery Pack, and 22" Tires. UDDS1: 259.24 Wh/mi, UDDS2: 235.97 Wh/mi, UDDS3: 223.12 Wh/mi, UDDS4: 225.47 Wh/mi. UDDS1 Energy: 1926.59 Wh HWY1: 276.87 Wh/mi, HWY2: 263.79 Wh/mi MCT Energy: 142335.59 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--																
Test #	SRIV10085609	Test Procedure	86 - Charge Depleting 20 Degree F FTP																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	03/18/2024	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	4437	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	162.62																
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9																
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9																
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.588</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.78</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.15</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.15</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.774</td></tr><tr><td>Manufacturer Fuel Economy</td><td>49.42</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.588	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.78	Drive Trace Energy Economy Rating	0.15	Drive Trace Inertia Work Ratio Rating	1.15	Integrated DC KW-HRS	1.774	Manufacturer Fuel Economy	49.42
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Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>3.849</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.59</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.15</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.95</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.539</td></tr><tr><td>Manufacturer Fuel Economy</td><td>39.99</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.849	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.59	Drive Trace Energy Economy Rating	-0.15	Drive Trace Inertia Work Ratio Rating	0.95	Integrated DC KW-HRS	1.539	Manufacturer Fuel Economy	39.99		
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Manufacturer Fuel Economy	39.99																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.599</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.34</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.45</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.78</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.418</td></tr><tr><td>Manufacturer Fuel Economy</td><td>39.41</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.599	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.34	Drive Trace Energy Economy Rating	0.45	Drive Trace Inertia Work Ratio Rating	1.78	Integrated DC KW-HRS	1.418	Manufacturer Fuel Economy	39.41		
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Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.857</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.3</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.43</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.54</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.367</td></tr><tr><td>Manufacturer Fuel Economy</td><td>35.45</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.857	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.3	Drive Trace Energy Economy Rating	-0.43	Drive Trace Inertia Work Ratio Rating	0.54	Integrated DC KW-HRS	1.367	Manufacturer Fuel Economy	35.45		
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Integrated DC KW-HRS	1.367																		
Manufacturer Fuel Economy	35.45																		
Manufacturer Test Comments		R1S - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 494.25 Wh/mi, Cycle 2: 399.91 Wh/mi, Cycle 3: 394.06 Wh/mi, Cycle 4: 354.53 Wh/mi,																	

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--					
Emission Data Vehicle Information								
Vehicle ID / Configuration	R1T240XR20AT / 0	Manufacturer Vehicle Configuration Number	0					
Original Test Group Name	SRIVT00.0SEP	Original Evaporative/Refueling Family	--					
Original Test Vehicle Model Year	2025							
Vehicle Model								
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1T All-Terrain Performance Dual Max (20in)					
Leak Family Details								
Leak Family Identifier	--	Leak Family Name	--					
Drive Sources and Fuel System Details								
	<table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th><th>Drive Source</th><th>Fuel</th></tr> </thead> <tbody> <tr> <td>1</td><td>Electric Motor</td><td>Electricity</td></tr> </tbody> </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	1	Odometer Correction Factor	1					
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles							
Odometer Correction Units	Miles							
Engine Code	264X2RW	Rated Horsepower	665					
Displacement (liters)	99.999							
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric					
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--					
Charge Air Cooler Type	--	Drive Mode While Testing	Part-time 4-Wheel Drive					
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)					
Curb Weight (lbs)	6864	Equivalent Test Weight (pounds)	7000					
GVWR (lbs)	--	N/V Ratio	999					
Axle Ratio	9.99							
Transmission Type	Automatic	# of Transmission Gears	1					
Transmission Lockup	No	Creep Gear	No					

Certification Summary Information Report

Test Group	VRIVT00.0SEP			Evaporative/Refueling Family			--
Dynamometer Coefficients:							
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	
City/Highway/Evap	54.16	0.6637	0.01674	-6.49	0.0751	0.022	17.2
Cold CO	59.58	0.7301	0.01841	-20.73	0.0941	0.02233	N/A
US06	54.16	0.6637	0.01674	-6.49	0.0751	0.022	N/A
Emission Control Device Comments	Battery Electric Vehicle						
Manufacturer Test Vehicle Comments	FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 135.0 RDU N/V: 108.4						

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085633	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/03/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3842	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.27	--
DT-EER (Drive Trace Energy Economy Rating)	-0.53	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	0.11	--
MFR FE (Manufacturer Fuel Economy)	27.76	121.4157061
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" All-Terrain Tires. Cycle 1: 308.16 Wh/mi, Cycle 2: 256.60 Wh/mi, Cycle 3: 296.30 Wh/mi, Cycle 4: 252.75 Wh/mi.

Certification Summary Information Report

Test Group		VRIVT00.0SEP			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	CO	0	--	--	--	0	--	0	0	Pass
CA	150,000 miles	California ZEV	CO	0	--	--	--	0	--	0	0	Pass

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085628	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/03/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3842	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.79	--
DT-EER (Drive Trace Energy Economy Rating)	0.02	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.46	--
MFR FE (Manufacturer Fuel Economy)	29.78	113.1799866
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" All-Terrain Tires. Cycle 1: 297.79 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085631	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/04/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3868	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-2.43	--
DT-EER (Drive Trace Energy Economy Rating)	-1.43	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-5.07	--
MFR FE (Manufacturer Fuel Economy)	39.33	85.6979405
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" All-Terrain Tires. Cycle 1 (City1): 379.36 Wh/mi, Cycle 2 (HWY): 390.48 Wh/mi, Cycle 3 (City2): 466.93 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085630	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/04/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3884	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	0.87	--
DT-EER (Drive Trace Energy Economy Rating)	1.23	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	1.76	--
MFR FE (Manufacturer Fuel Economy)	35.35	95.3465347
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" All-Terrain Tires. Cycle 1: 353.48 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085627	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	03/28/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3337	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	164.27
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.572	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		0.56	
Drive Trace Energy Economy Rating		0.01	
Drive Trace Inertia Work Ratio Rating		0.45	
Integrated DC KW-HRS		1.693	
Manufacturer Fuel Economy		47.41	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--																
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Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.849																		
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Drive Trace Energy Economy Rating	-0.02																		
Drive Trace Inertia Work Ratio Rating	0.54																		
Integrated DC KW-HRS	1.522																		
Manufacturer Fuel Economy	39.53																		
Charge Depleting Bag/Phase #3																			
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Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.588																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	-0.23																		
Drive Trace Energy Economy Rating	-0.43																		
Drive Trace Inertia Work Ratio Rating	-0.66																		
Integrated DC KW-HRS	1.438																		
Manufacturer Fuel Economy	40.08																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.851</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.05</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.13</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.18</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.44</td></tr><tr><td>Manufacturer Fuel Economy</td><td>37.39</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.851	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.05	Drive Trace Energy Economy Rating	0.13	Drive Trace Inertia Work Ratio Rating	1.18	Integrated DC KW-HRS	1.44	Manufacturer Fuel Economy	37.39		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.851																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.05																		
Drive Trace Energy Economy Rating	0.13																		
Drive Trace Inertia Work Ratio Rating	1.18																		
Integrated DC KW-HRS	1.44																		
Manufacturer Fuel Economy	37.39																		
Manufacturer Test Comments		R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 20" All-Terrain Tires. Cycle 1: 474.08 Wh/mi, Cycle 2: 395.29 Wh/mi, Cycle 3: 400.84 Wh/mi, Cycle 4: 373.86 Wh/mi,																	

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10085629	Test Procedure	77 - Multi-Cycle Test (MCT)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/01/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3359	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	164.27
Charge Depleting Range (Calculated miles)	545.7	Charge Depleting Range (Actual miles)	545.7
Charge Depleting Range Highway (Calculated miles)	487.83	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	545.7
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)		7.434	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		1.7	
Drive Trace Energy Economy Rating		1.35	
Drive Trace Inertia Work Ratio Rating		2.62	
Integrated DC KW-HRS		2.145	
Manufacturer Fuel Economy		28.85	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>2.39</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.37</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.06</td></tr><tr><td>Integrated DC KW-HRS</td><td>3.072</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.96</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	2.39	Drive Trace Energy Economy Rating	0.37	Drive Trace Inertia Work Ratio Rating	3.06	Integrated DC KW-HRS	3.072	Manufacturer Fuel Economy	29.96		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.253																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.39																		
Drive Trace Energy Economy Rating	0.37																		
Drive Trace Inertia Work Ratio Rating	3.06																		
Integrated DC KW-HRS	3.072																		
Manufacturer Fuel Economy	29.96																		
Charge Depleting Bag/Phase #3																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.46</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.7</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.02</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.87</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.009</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.93</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.46	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.7	Drive Trace Energy Economy Rating	1.02	Drive Trace Inertia Work Ratio Rating	2.87	Integrated DC KW-HRS	2.009	Manufacturer Fuel Economy	26.93		
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Energy Economy Rating	1.02																		
Drive Trace Inertia Work Ratio Rating	2.87																		
Integrated DC KW-HRS	2.009																		
Manufacturer Fuel Economy	26.93																		
Charge Depleting Bag/Phase #4																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>313.623</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>24.02</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.73</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>48.06</td></tr><tr><td>Integrated DC KW-HRS</td><td>114.01</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.35</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	313.623	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	24.02	Drive Trace Energy Economy Rating	-1.73	Drive Trace Inertia Work Ratio Rating	48.06	Integrated DC KW-HRS	114.01	Manufacturer Fuel Economy	36.35		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	313.623																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	24.02																		
Drive Trace Energy Economy Rating	-1.73																		
Drive Trace Inertia Work Ratio Rating	48.06																		
Integrated DC KW-HRS	114.01																		
Manufacturer Fuel Economy	36.35																		
Charge Depleting Bag/Phase #5																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.404</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.07</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.82</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.56</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.924</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.98</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.404	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.07	Drive Trace Energy Economy Rating	0.82	Drive Trace Inertia Work Ratio Rating	1.56	Integrated DC KW-HRS	1.924	Manufacturer Fuel Economy	25.98		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	7.404																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	1.07																		
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Drive Trace Inertia Work Ratio Rating	1.56																		
Integrated DC KW-HRS	1.924																		
Manufacturer Fuel Economy	25.98																		
Charge Depleting Bag/Phase #6																			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>10.264</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.33</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.42</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3.03</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.994</td></tr><tr><td>Manufacturer Fuel Economy</td><td>29.17</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.264	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.33	Drive Trace Energy Economy Rating	0.42	Drive Trace Inertia Work Ratio Rating	3.03	Integrated DC KW-HRS	2.994	Manufacturer Fuel Economy	29.17
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	10.264																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.33																		
Drive Trace Energy Economy Rating	0.42																		
Drive Trace Inertia Work Ratio Rating	3.03																		
Integrated DC KW-HRS	2.994																		
Manufacturer Fuel Economy	29.17																		
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>7.422</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.3</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.5</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>0.32</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.949</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.26</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.422	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.3	Drive Trace Energy Economy Rating	0.5	Drive Trace Inertia Work Ratio Rating	0.32	Integrated DC KW-HRS	1.949	Manufacturer Fuel Economy	26.26
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	0.5																		
Drive Trace Inertia Work Ratio Rating	0.32																		
Integrated DC KW-HRS	1.949																		
Manufacturer Fuel Economy	26.26																		
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>43.936</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.21</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>51.4</td></tr><tr><td>Integrated DC KW-HRS</td><td>16.129</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.71</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	43.936	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99	Drive Trace Energy Economy Rating	-0.21	Drive Trace Inertia Work Ratio Rating	51.4	Integrated DC KW-HRS	16.129	Manufacturer Fuel Economy	36.71
Test Result/Emission Name	Unrounded Test Result																		
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Carbon-Related Exhaust Emissions	0																		
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Drive Trace Energy Economy Rating	-0.21																		
Drive Trace Inertia Work Ratio Rating	51.4																		
Integrated DC KW-HRS	16.129																		
Manufacturer Fuel Economy	36.71																		
Manufacturer Test Comments		R1T - Drive Mode: All-Purpose (Default Mode) Performance Dual Motor, Max Battery Pack, and 20" All-Terrain Tires. UDDS1: 288.51 Wh/mi, UDDS2: 269.31 Wh/mi, UDDS3: 259.84 Wh/mi, UDDS4: 262.57 Wh/mi. UDDS1 Energy: 2144.84 Wh HWY1: 299.65 Wh/mi, HWY2: 291.66 Wh/mi MCT Energy: 144231.30 Wh																	

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--						
Emission Data Vehicle Information									
Vehicle ID / Configuration	R1T240XR22 / 0	Manufacturer Vehicle Configuration Number	0						
Original Test Group Name	SRIVT00.0SEP	Original Evaporative/Refueling Family	--						
Original Test Vehicle Model Year	2025								
Vehicle Model									
Represented Test Vehicle Make	Rivian	Represented Test Vehicle Model	R1T Performance Dual Max (22in)						
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	1	Odometer Correction Factor	1						
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles								
Odometer Correction Units	Miles								
Engine Code	264X2RW	Rated Horsepower	665						
Displacement (liters)	99.999								
Air Aspiration Method	Naturally Aspirated	Air Aspiration Method, if 'Other'	Electric						
Number of Air Aspiration Devices	--	Air Aspiration Device Configuration	--						
Charge Air Cooler Type	--	Drive Mode While Testing	4-Wheel Drive						
Shift Indicator Light Usage	Not equipped	Aged Emission Components	4,000 (mi)						
Curb Weight (lbs)	6687	Equivalent Test Weight (pounds)	7000						
GVWR (lbs)	--	N/V Ratio	999						
Axle Ratio	9.99								
Transmission Type	Automatic	# of Transmission Gears	1						
Transmission Lockup	No	Creep Gear	No						

Certification Summary Information Report

Test Group		VRIVT00.0SEP			Evaporative/Refueling Family		--	
Dynamometer Coefficients:								
Target Coefficients				Set Coefficients			EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients	
Coefficient Category	A (lbf)	B (lbf/mph)	C (lbf/mph**2)	A (lbf)	B (lbf/mph)	C (lbf/mph**2)		
City/Highway/Evap	45.22	0.078	0.02437	-2.74	-0.2818	0.02828	14.7	
Cold CO	49.74	0.0858	0.02681	-13.51	-0.3813	0.03004	N/A	
US06	45.22	0.078	0.02437	-2.74	-0.2818	0.02828	N/A	
Emission Control Device Comments		Battery Electric Vehicle						
Manufacturer Test Vehicle Comments		FDU Axle Ratio: 11.0:1 RDU Axle Ratio: 13.7:1 FDU N/V: 140.4 RDU N/V: 112.7						

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10086074	Test Procedure	2 - CVS 75 and later (w/o can. load)
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/17/2024	Fuel	Electricity
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	MDPV	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4968	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.25	--
DT-EER (Drive Trace Energy Economy Rating)	-0.07	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-0.07	--
MFR FE (Manufacturer Fuel Economy)	23.17	145.4682779
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 256.80 Wh/mi, Cycle 2: 214.07 Wh/mi, Cycle 3: 249.31 Wh/mi, Cycle 4: 209.56 Wh/mi.

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Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10086075	Test Procedure	3 - HWFE
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/17/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4968	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	1.72	--
DT-EER (Drive Trace Energy Economy Rating)	-0.14	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.49	--
MFR FE (Manufacturer Fuel Economy)	25.94	129.9344641
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	0
Optional Carbon-Related Exhaust Emissions	0	0

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 259.41 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10086076	Test Procedure	90 - US06
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/17/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	4994	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	-0.96	--
DT-EER (Drive Trace Energy Economy Rating)	-0.67	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	-2.26	--
MFR FE (Manufacturer Fuel Economy)	35.94	93.7813022
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1 (City1): 332.80 Wh/mi, Cycle 2 (HWY): 359.82 Wh/mi, Cycle 3 (City2): 424.27 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10086077	Test Procedure	95 - SC03
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/26/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5198	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes

Test Results

Test Result Name	Unrounded Test Result	Verify Calculated FE Equivalent Value (kilowatt-hour per 100 miles)
METHANE (CH4 - Methane)	0	--
CO (Carbon Monoxide)	0	--
DT-ASCR (Drive Trace Absolute Speed Change Rating)	2.09	--
DT-EER (Drive Trace Energy Economy Rating)	2.25	--
DT-IWRR (Drive Trace Inertia Work Ratio Rating)	2.47	--
MFR FE (Manufacturer Fuel Economy)	32.06	105.1310044
NOX (Nitrogen Oxide)	0	--
N2O (Nitrous Oxide)	0	--
HC-NM (Non-methane Hydrocarbon)	0	--
NMOG (Non-methane organic gases)	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CREE/OPT-CREE
Carbon-Related Exhaust Emissions	0	--
Optional Carbon-Related Exhaust Emissions	0	--

Test Result Name	Unrounded Test Result	Verify Calculated CO2
Carbon dioxide	0	--

Manufacturer Test Comments

R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 320.64 Wh/mi

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--
Test #	SRIV10086078	Test Procedure	86 - Charge Depleting 20 Degree F FTP
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity
Test Date	04/23/2024	Fuel	N/A
Fuel Batch ID	--	Fuel Calibration Number	--
Vehicle Class	N/A	DF Type	EPA Assigned
Verify Test Lab ID	FEV Michigan		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	5182	Odometer Units	M
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes
PHEV/EV Charge Depleting Test Information			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	163.9
Charge Depleting Range (Calculated miles)	14.9	Charge Depleting Range (Actual miles)	14.9
Charge Depleting Range Highway (Calculated miles)	--	Derived 5-Cycle Coefficient Model Year	--
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	14.9
Number of Charge Depleting Bags/Phases Conducted	4	Transition Bag/Phase Number	--
Charge Depleting Bag/Phase #1			
Test Result/Emission Name		Unrounded Test Result	
Actual Distance Driven (miles)		3.59	
Carbon-Related Exhaust Emissions		0	
Drive Trace Absolute Speed Change Rating		2.03	
Drive Trace Energy Economy Rating		0.94	
Drive Trace Inertia Work Ratio Rating		2.68	
Integrated DC KW-HRS		1.606	
Manufacturer Fuel Economy		44.75	
Charge Depleting Bag/Phase #2			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>3.851</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.9</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.77</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.5</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.411</td></tr><tr><td>Manufacturer Fuel Economy</td><td>36.63</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.851	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.9	Drive Trace Energy Economy Rating	0.77	Drive Trace Inertia Work Ratio Rating	1.5	Integrated DC KW-HRS	1.411	Manufacturer Fuel Economy	36.63		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.851																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.9																		
Drive Trace Energy Economy Rating	0.77																		
Drive Trace Inertia Work Ratio Rating	1.5																		
Integrated DC KW-HRS	1.411																		
Manufacturer Fuel Economy	36.63																		
Charge Depleting Bag/Phase #3																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.587</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>2.17</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.4</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>3</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.342</td></tr><tr><td>Manufacturer Fuel Economy</td><td>37.43</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.587	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	2.17	Drive Trace Energy Economy Rating	1.4	Drive Trace Inertia Work Ratio Rating	3	Integrated DC KW-HRS	1.342	Manufacturer Fuel Economy	37.43		
Test Result/Emission Name	Unrounded Test Result																		
Actual Distance Driven (miles)	3.587																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	2.17																		
Drive Trace Energy Economy Rating	1.4																		
Drive Trace Inertia Work Ratio Rating	3																		
Integrated DC KW-HRS	1.342																		
Manufacturer Fuel Economy	37.43																		
Charge Depleting Bag/Phase #4																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>3.856</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>0.64</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.22</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.05</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.328</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.44</td></tr></table>		Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	3.856	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	0.64	Drive Trace Energy Economy Rating	0.22	Drive Trace Inertia Work Ratio Rating	1.05	Integrated DC KW-HRS	1.328	Manufacturer Fuel Economy	34.44		
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Actual Distance Driven (miles)	3.856																		
Carbon-Related Exhaust Emissions	0																		
Drive Trace Absolute Speed Change Rating	0.64																		
Drive Trace Energy Economy Rating	0.22																		
Drive Trace Inertia Work Ratio Rating	1.05																		
Integrated DC KW-HRS	1.328																		
Manufacturer Fuel Economy	34.44																		
Manufacturer Test Comments		R1T - Drive Mode: All-Purpose (Default Mode) Dual Motor, Max Battery Pack, and 22" Tires. Cycle 1: 447.45 Wh/mi, Cycle 2: 366.29 Wh/mi, Cycle 3: 374.27 Wh/mi, Cycle 4: 344.36 Wh/mi,																	

Certification Summary Information Report

Test Group	VRIVT00.0SEP	Evaporative/Refueling Family	--																
Test #	SRIV10086079	Test Procedure	77 - Multi-Cycle Test (MCT)																
Exhaust Test # for this Evap Test	--	Test Fuel Type	62 - Electricity																
Test Date	04/12/2024	Fuel	N/A																
Fuel Batch ID	--	Fuel Calibration Number	--																
Vehicle Class	N/A	DF Type	EPA Assigned																
Verify Test Lab ID	FEV Michigan																		
E10 Evaporative Test Measurement Method	--																		
Test Start Odometer Reading	4353	Odometer Units	M																
4WD Test Dyno	Yes	Diesel Adjustment Factor Usage	--																
State of Charge Delta	Yes																		
Drive Cycle Speed Tolerance Criteria	Used Part 86 (+/- 2 mph, +/- 1 sec)	Road Speed Fan Usage	Yes																
PHEV/EV Charge Depleting Test Information																			
Recharge Event Voltage	240	Recharge Event Energy (kiloWatt-hours)	163.93																
Charge Depleting Range (Calculated miles)	637.2	Charge Depleting Range (Actual miles)	637.2																
Charge Depleting Range Highway (Calculated miles)	549.73	Derived 5-Cycle Coefficient Model Year	--																
All Electric Range Unadjusted (miles)	--	Equivalent All Electric Range (miles)	637.2																
Number of Charge Depleting Bags/Phases Conducted	8	Transition Bag/Phase Number	--																
Charge Depleting Bag/Phase #1																			
<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.432</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.56</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.16</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.49</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.828</td></tr><tr><td>Manufacturer Fuel Economy</td><td>24.59</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.432	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.56	Drive Trace Energy Economy Rating	-1.16	Drive Trace Inertia Work Ratio Rating	-0.49	Integrated DC KW-HRS	1.828	Manufacturer Fuel Economy	24.59
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Charge Depleting Bag/Phase #2																			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>10.258</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-2.4</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.13</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-2.8</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.717</td></tr><tr><td>Manufacturer Fuel Economy</td><td>26.48</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.258	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-2.4	Drive Trace Energy Economy Rating	-1.13	Drive Trace Inertia Work Ratio Rating	-2.8	Integrated DC KW-HRS	2.717	Manufacturer Fuel Economy	26.48		
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Drive Trace Inertia Work Ratio Rating	-2.8																		
Integrated DC KW-HRS	2.717																		
Manufacturer Fuel Economy	26.48																		
Charge Depleting Bag/Phase #3																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.438</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>-0.48</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.64</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>-0.45</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.712</td></tr><tr><td>Manufacturer Fuel Economy</td><td>23.02</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.438	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	-0.48	Drive Trace Energy Economy Rating	-0.64	Drive Trace Inertia Work Ratio Rating	-0.45	Integrated DC KW-HRS	1.712	Manufacturer Fuel Economy	23.02		
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Manufacturer Fuel Economy	23.02																		
Charge Depleting Bag/Phase #4																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>318.792</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>19.67</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-1.82</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>39.08</td></tr><tr><td>Integrated DC KW-HRS</td><td>109.893</td></tr><tr><td>Manufacturer Fuel Economy</td><td>34.47</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	318.792	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	19.67	Drive Trace Energy Economy Rating	-1.82	Drive Trace Inertia Work Ratio Rating	39.08	Integrated DC KW-HRS	109.893	Manufacturer Fuel Economy	34.47		
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Charge Depleting Bag/Phase #5																			
	<table><tr><th>Test Result/Emission Name</th><th>Unrounded Test Result</th></tr><tr><td>Actual Distance Driven (miles)</td><td>7.455</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.43</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.09</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>2.39</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.649</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.12</td></tr></table>	Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.455	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.43	Drive Trace Energy Economy Rating	1.09	Drive Trace Inertia Work Ratio Rating	2.39	Integrated DC KW-HRS	1.649	Manufacturer Fuel Economy	22.12		
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Integrated DC KW-HRS	1.649																		
Manufacturer Fuel Economy	22.12																		
Charge Depleting Bag/Phase #6																			

Certification Summary Information Report

Test Group	VRIVT00.0SEP	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>10.269</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>3.64</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>1.75</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>4.47</td></tr><tr><td>Integrated DC KW-HRS</td><td>2.635</td></tr><tr><td>Manufacturer Fuel Economy</td><td>25.66</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	10.269	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	3.64	Drive Trace Energy Economy Rating	1.75	Drive Trace Inertia Work Ratio Rating	4.47	Integrated DC KW-HRS	2.635	Manufacturer Fuel Economy	25.66
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Manufacturer Fuel Economy	25.66																		
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>7.456</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>1.18</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>0.77</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>1.87</td></tr><tr><td>Integrated DC KW-HRS</td><td>1.66</td></tr><tr><td>Manufacturer Fuel Economy</td><td>22.27</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	7.456	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	1.18	Drive Trace Energy Economy Rating	0.77	Drive Trace Inertia Work Ratio Rating	1.87	Integrated DC KW-HRS	1.66	Manufacturer Fuel Economy	22.27
Test Result/Emission Name	Unrounded Test Result																		
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Drive Trace Inertia Work Ratio Rating	1.87																		
Integrated DC KW-HRS	1.66																		
Manufacturer Fuel Economy	22.27																		
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>63.269</td></tr><tr><td>Carbon-Related Exhaust Emissions</td><td>0</td></tr><tr><td>Drive Trace Absolute Speed Change Rating</td><td>99</td></tr><tr><td>Drive Trace Energy Economy Rating</td><td>-0.43</td></tr><tr><td>Drive Trace Inertia Work Ratio Rating</td><td>77.18</td></tr><tr><td>Integrated DC KW-HRS</td><td>21.238</td></tr><tr><td>Manufacturer Fuel Economy</td><td>33.57</td></tr></table>				Test Result/Emission Name	Unrounded Test Result	Actual Distance Driven (miles)	63.269	Carbon-Related Exhaust Emissions	0	Drive Trace Absolute Speed Change Rating	99	Drive Trace Energy Economy Rating	-0.43	Drive Trace Inertia Work Ratio Rating	77.18	Integrated DC KW-HRS	21.238	Manufacturer Fuel Economy	33.57
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Drive Trace Inertia Work Ratio Rating	77.18																		
Integrated DC KW-HRS	21.238																		
Manufacturer Fuel Economy	33.57																		
Manufacturer Test Comments		R1T - Drive Mode: All-Purpose (Default Mode) Performance Dual Motor, Max Battery Pack, and 22" Tires. UDDS1: 245.91 Wh/mi, UDDS2: 230.20 Wh/mi, UDDS3: 221.18 Wh/mi, UDDS4: 222.69 Wh/mi. UDDS1 Energy: 1827.62 Wh HWY1: 264.81 Wh/mi, HWY2: 256.58 Wh/mi MCT Energy: 143331.2242 Wh																	
Fuel Properties																			

Certification Summary Information Report

Test Group		VRIVT00.0SEP			Evaporative/Refueling Family			--	
Consolidated List of Standards									
Exhaust Standards									
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o 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			Cert	
Vehicle Class		MDPV			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0

Certification Summary Information Report

Test Group		VRIVT00.0SEP			Evaporative/Refueling Family			--	
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting UDDS	
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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		California + CAA Section 177 states			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			California ZEV	
Fuel		Electricity			Test Procedure			Charge Depleting Highway	
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	CO-COMP	--	--	--	--	--	--	0	0
150,000 miles	CREE	--	--	--	--	--	--	0	0
150,000 miles	NMOG+NOX-COMP	--	--	--	--	--	--	0	0
Cert Region		Federal			Cert/In-Use Code			Cert	
Vehicle Class		MDPV			Standard Level			Federal Tier 3 Bin 0	
Fuel		Electricity			Test Procedure			CVS 75 and later (w/o 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		VRIVT00.0SEP	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	

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Test Group		VRIVT00.0SEP	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	

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Test Group		VRIVT00.0SEP	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		VRIVT00.0SEP	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	