Certification Summary Information Report

Manufacturer	Porsche AG	**Manufacturer Code**	PRX
Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--
Certificate Number	VPRXT00.0EMT-016	**CARB Executive Order #**	--
Certificate Issue Date	08/06/2026	**Certificate Revision Date**	--
Certificate Effective Date	08/06/2026	**Conditional Certificate**	No
CSI Revision #	--	**CSI Submission/Revision Date**	07/22/2026 07:56:07 AM
Model Year	2027		

Test Group Information

CSI Type	New	**Running Change Reference Number**	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

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

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Rechargeable Energy Storage System Indicator**	Yes
Multiple Fuel Combustion	--	**Off-board Charge Capable Indicator**	Yes
Fuel Cell Indicator	No	**EPA Vehicle Class**	LDT4
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	VPRXEEVNNEMT	**Durability Group Equivalency Factor**	1.0
Reduced Fee Test Group	No	**Certification Region Code(s)**	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	10/23/2026	**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**	VPRXT0.00EMT
Test Group OBD Compliance Level	Full - no deficiencies	**Number of Test Group OBD Deficiencies**	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	Macan 4 Electric, Macan 4 Electric 20 in Wheels, Macan 4S Electric, and Macan Turbo Electric models; All-Wheel-Drive Battery Electric Only. Interim Tier 4, Bin 0 standards.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	VPRXT00.0EMT	Evaporative/Refueling Family	--

Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Porsche AG	1 - Porsche	311 - Macan 4 Electric 20in Wheels	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	340 - Macan Turbo Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	310 - Macan 4 Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	340 - Macan Turbo Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	330 - Macan GTS Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	320 - Macan 4S Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	330 - Macan GTS Electric	Federal	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	310 - Macan 4 Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	320 - Macan 4S Electric	California + CAA Section 177 states	All Wheel Drive	Automatic	1	No
Porsche AG	1 - Porsche	311 - Macan 4 Electric 20in Wheels	Federal	All 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	--

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	--	--	--	--	--	--	--	--	--	--

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

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	765	**Battery Energy Capacity**	151
Battery Specific Energy	173	**Battery Charger Type**	Off-Board
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**	No
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	3		
Motor/Generator Type 1	AC, Perm Magnet, Synchronous	**Rated Motor/Generator Power**	175
Motor/Generator Type 2	AC, Perm Magnet, Synchronous	**Rated Motor/Generator Power**	495
Motor/Generator Type 3	AC, Perm Magnet, Synchronous	**Rated Motor/Generator Power**	280
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	**Usable H2 Fill Capacity (kg)**	--
Mfr Hybrid Electric/ Electric Vehicle Comments	The models are configured as follows: Macan Turbo Electric Front Axle: 175KW, Rear Axle: 495KW, System Peak Power 430KW; Macan GTS Electric Front Axle: 175KW, Rear Axle: 495KW, System Peak Power 380KW; Macan 4S Electric: Front Axle: 175KW, Rear Axle: 280KW, System Peak Power 330KW; Macan 4 Electric and Macan 4 20 in Wheels: Front Axle: 175KW, Rear Axle: 280KW, System Peak Power 285KW		

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XAB4-26 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan 4 electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0129
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECE	**Rated Horsepower**	382
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5377	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6437	**N/V Ratio**	111.7
Axle Ratio	9.8		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	39.88	0.3817	0.02185	0.73	0.1647	0.02167	15.1

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan 4 electric; Porsche Internal Name SEP416, FEDV1.

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092161**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	08/14/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2867	**Odometer Units**	K
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	238	**Recharge Event Energy (kiloWatt-hours)**	107.4363
Charge Depleting Range (Calculated miles)	429.057	**Charge Depleting Range (Actual miles)**	429.057
Charge Depleting Range Highway (Calculated miles)	355.751	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	429.057
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)	7.446
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.57
Drive Trace Energy Economy Rating	-1.63
Drive Trace Inertia Work Ratio Rating	-1.79
Integrated DC KW-HRS	1.8493
Manufacturer Fuel Economy	24.836

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.18
Drive Trace Energy Economy Rating	0.41
Drive Trace Inertia Work Ratio Rating	3.89
Integrated DC KW-HRS	2.8139
Manufacturer Fuel Economy	27.447

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.447
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.63
Drive Trace Energy Economy Rating	-1.69
Drive Trace Inertia Work Ratio Rating	-1.89
Integrated DC KW-HRS	1.6935
Manufacturer Fuel Economy	22.741

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	215.647
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	9.79
Drive Trace Energy Economy Rating	0.02
Drive Trace Inertia Work Ratio Rating	19.69
Integrated DC KW-HRS	72.7259
Manufacturer Fuel Economy	33.725

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.449
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.72
Drive Trace Energy Economy Rating	-1.77
Drive Trace Inertia Work Ratio Rating	-2
Integrated DC KW-HRS	1.6151
Manufacturer Fuel Economy	21.682

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.37
Drive Trace Energy Economy Rating	0.46
Drive Trace Inertia Work Ratio Rating	4.1
Integrated DC KW-HRS	2.6694
Manufacturer Fuel Economy	26.035

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.448
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.68
Drive Trace Energy Economy Rating	-1.66
Drive Trace Inertia Work Ratio Rating	-1.93
Integrated DC KW-HRS	1.6338
Manufacturer Fuel Economy	21.936

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	29.37
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.64
Drive Trace Energy Economy Rating	-0.28
Drive Trace Inertia Work Ratio Rating	7.31
Integrated DC KW-HRS	10.1315
Manufacturer Fuel Economy	34.496

Manufacturer Test Comments MACAN 4 FEDV1. Internal Test Number: 25024294

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XAB4-26 / 1	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan 4 electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0129
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECE	**Rated Horsepower**	382
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5379	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6437	**N/V Ratio**	111.7
Axle Ratio	9.8		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	35.27	0.276	0.02144	-5.13	0.0483	0.0213	13.7

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan 4 electric; Porsche Internal Name SEP416, FEDV2.

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092162**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/24/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2094	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	238	**Recharge Event Energy (kiloWatt-hours)**	106.5913
Charge Depleting Range (Calculated miles)	469.475	**Charge Depleting Range (Actual miles)**	469.475
Charge Depleting Range Highway (Calculated miles)	395.474	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	469.475
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)	7.448
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.76
Drive Trace Energy Economy Rating	-1.92
Drive Trace Inertia Work Ratio Rating	-2.12
Integrated DC KW-HRS	1.6786
Manufacturer Fuel Economy	22.538

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.15
Drive Trace Energy Economy Rating	0.43
Drive Trace Inertia Work Ratio Rating	3.85
Integrated DC KW-HRS	2.5483
Manufacturer Fuel Economy	24.857

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.45
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.92
Drive Trace Energy Economy Rating	-1.89
Drive Trace Inertia Work Ratio Rating	-2.36
Integrated DC KW-HRS	1.5667
Manufacturer Fuel Economy	21.03

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	239.059
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	9.02
Drive Trace Energy Economy Rating	0.14
Drive Trace Inertia Work Ratio Rating	18.15
Integrated DC KW-HRS	73.4076
Manufacturer Fuel Economy	30.707

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.451
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.87
Drive Trace Energy Economy Rating	-1.8
Drive Trace Inertia Work Ratio Rating	-2.37
Integrated DC KW-HRS	1.4824
Manufacturer Fuel Economy	19.895

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.08
Drive Trace Energy Economy Rating	0.21
Drive Trace Inertia Work Ratio Rating	3.83
Integrated DC KW-HRS	2.4008
Manufacturer Fuel Economy	23.416

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.45
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.85
Drive Trace Energy Economy Rating	-1.86
Drive Trace Inertia Work Ratio Rating	-2.3
Integrated DC KW-HRS	1.4864
Manufacturer Fuel Economy	19.952

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	34.799
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.2
Drive Trace Energy Economy Rating	-0.34
Drive Trace Inertia Work Ratio Rating	4.43
Integrated DC KW-HRS	10.8813
Manufacturer Fuel Economy	31.269

Manufacturer Test Comments MACAN 4 FEDV2. Internal Test Number: 25024299

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XAB4-26 / 2	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan 4 electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0129
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECE	**Rated Horsepower**	382
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5362	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6437	**N/V Ratio**	111.7
Axle Ratio	9.8		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	33.09	0.276	0.01981	-7.72	0.0675	0.01946	12.9

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan 4 electric; Porsche Internal Name SEP416, FEDV3.

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092164**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/29/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2460	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	238	**Recharge Event Energy (kiloWatt-hours)**	106.3516
Charge Depleting Range (Calculated miles)	498.333	**Charge Depleting Range (Actual miles)**	498.333
Charge Depleting Range Highway (Calculated miles)	419.854	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	498.333
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)	7.447
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.87
Drive Trace Energy Economy Rating	-1.73
Drive Trace Inertia Work Ratio Rating	-2.3
Integrated DC KW-HRS	1.6267
Manufacturer Fuel Economy	21.844

Charge Depleting Bag/Phase #2

Certification Summary Information Report

Test Group	VPRXT00.0EMT	Evaporative/Refueling Family	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.16
Drive Trace Energy Economy Rating	0.28
Drive Trace Inertia Work Ratio Rating	3.95
Integrated DC KW-HRS	2.4037
Manufacturer Fuel Economy	23.446

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	-1.83
Drive Trace Energy Economy Rating	-1.84
Drive Trace Inertia Work Ratio Rating	-2.19
Integrated DC KW-HRS	1.4806
Manufacturer Fuel Economy	19.868

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	258.091
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	18.96
Drive Trace Energy Economy Rating	-0.07
Drive Trace Inertia Work Ratio Rating	38.16
Integrated DC KW-HRS	73.6528
Manufacturer Fuel Economy	28.538

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.452
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.9
Drive Trace Energy Economy Rating	-1.98
Drive Trace Inertia Work Ratio Rating	-2.33
Integrated DC KW-HRS	1.3909
Manufacturer Fuel Economy	18.665

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.91
Drive Trace Energy Economy Rating	0.22
Drive Trace Inertia Work Ratio Rating	4.81
Integrated DC KW-HRS	2.2563
Manufacturer Fuel Economy	22.008

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.452
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.78
Drive Trace Energy Economy Rating	-1.94
Drive Trace Inertia Work Ratio Rating	-2.17
Integrated DC KW-HRS	1.3988
Manufacturer Fuel Economy	18.771

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	38.661
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.54
Drive Trace Energy Economy Rating	-0.29
Drive Trace Inertia Work Ratio Rating	7.13
Integrated DC KW-HRS	11.2115
Manufacturer Fuel Economy	29

Manufacturer Test Comments MACAN 4 FEDV3. Internal Test Number: 25024304

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XABS-26 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan 4S electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0058
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECL	**Rated Horsepower**	442
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5428	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6460	**N/V Ratio**	115.1
Axle Ratio	9.99		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	49.8	-0.0376	0.02777	-2.21	0.0509	0.02161	15.6

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan 4S electric; Porsche Internal Name SEP626, FEDV1. AXLE RATIO IS 10.07

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092165**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/29/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2065	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	106.1343
Charge Depleting Range (Calculated miles)	411.647	**Charge Depleting Range (Actual miles)**	411.647
Charge Depleting Range Highway (Calculated miles)	354.497	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	411.647
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)	7.451
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.19
Drive Trace Energy Economy Rating	-1.63
Drive Trace Inertia Work Ratio Rating	-1.41
Integrated DC KW-HRS	2.0577
Manufacturer Fuel Economy	27.616

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.84
Drive Trace Energy Economy Rating	0.93
Drive Trace Inertia Work Ratio Rating	4.79
Integrated DC KW-HRS	2.8612
Manufacturer Fuel Economy	27.909

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	-1.26
Drive Trace Energy Economy Rating	-1.6
Drive Trace Inertia Work Ratio Rating	-1.43
Integrated DC KW-HRS	1.7951
Manufacturer Fuel Economy	24.089

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	221.163
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	10.98
Drive Trace Energy Economy Rating	0.09
Drive Trace Inertia Work Ratio Rating	22.09
Integrated DC KW-HRS	72.8571
Manufacturer Fuel Economy	32.943

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.453
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.19
Drive Trace Energy Economy Rating	-1.67
Drive Trace Inertia Work Ratio Rating	-1.3
Integrated DC KW-HRS	1.6806
Manufacturer Fuel Economy	22.549

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.11
Drive Trace Energy Economy Rating	1
Drive Trace Inertia Work Ratio Rating	5.16
Integrated DC KW-HRS	2.6786
Manufacturer Fuel Economy	26.128

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.453
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.26
Drive Trace Energy Economy Rating	-1.65
Drive Trace Inertia Work Ratio Rating	-1.43
Integrated DC KW-HRS	1.705
Manufacturer Fuel Economy	22.877

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	29.883
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.11
Drive Trace Energy Economy Rating	-0.55
Drive Trace Inertia Work Ratio Rating	0.19
Integrated DC KW-HRS	10.1431
Manufacturer Fuel Economy	33.943

Manufacturer Test Comments MACAN 4S FEDV1. Internal Test Number: 25024271

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XABS-26 / 1	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan 4S electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0058
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECL	**Rated Horsepower**	442
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5430	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6460	**N/V Ratio**	115.1
Axle Ratio	9.99		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	41.12	0.1585	0.02422	-10.31	0.2484	0.0179	14.6

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--
Manufacturer Test Vehicle Comments	Macan 4S electric; Porsche Internal Name SEP626, FEDV2. AXLE RATIO IS 10.07		

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092166**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	07/31/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2406	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	106.0801
Charge Depleting Range (Calculated miles)	433.944	**Charge Depleting Range (Actual miles)**	433.944
Charge Depleting Range Highway (Calculated miles)	374.896	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	433.944
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)	7.451
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.32
Drive Trace Energy Economy Rating	-1.69
Drive Trace Inertia Work Ratio Rating	-1.53
Integrated DC KW-HRS	1.9203
Manufacturer Fuel Economy	25.772

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.87
Drive Trace Energy Economy Rating	0.88
Drive Trace Inertia Work Ratio Rating	4.85
Integrated DC KW-HRS	2.7079
Manufacturer Fuel Economy	26.411

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.453
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.43
Drive Trace Energy Economy Rating	-1.63
Drive Trace Inertia Work Ratio Rating	-1.73
Integrated DC KW-HRS	1.6955
Manufacturer Fuel Economy	22.749

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	236.383
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	11.03
Drive Trace Energy Economy Rating	0.15
Drive Trace Inertia Work Ratio Rating	22.21
Integrated DC KW-HRS	72.5434
Manufacturer Fuel Economy	30.689

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.455
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.4
Drive Trace Energy Economy Rating	-1.96
Drive Trace Inertia Work Ratio Rating	-1.6
Integrated DC KW-HRS	1.5822
Manufacturer Fuel Economy	21.223

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.254
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.12
Drive Trace Energy Economy Rating	0.8
Drive Trace Inertia Work Ratio Rating	5.18
Integrated DC KW-HRS	2.4975
Manufacturer Fuel Economy	24.356

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.456
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.28
Drive Trace Energy Economy Rating	-1.7
Drive Trace Inertia Work Ratio Rating	-1.46
Integrated DC KW-HRS	1.6089
Manufacturer Fuel Economy	21.579

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	33.664
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.6
Drive Trace Energy Economy Rating	-0.23
Drive Trace Inertia Work Ratio Rating	7.23
Integrated DC KW-HRS	10.6063
Manufacturer Fuel Economy	31.506

Manufacturer Test Comments MACAN 4S FEDV2. Internal Test Number: 25024276

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XABS-26 / 2	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan 4S electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0058
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECL	**Rated Horsepower**	442
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5393	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6460	**N/V Ratio**	115.1
Axle Ratio	9.99		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	37.9	0.1585	0.02401	-13.24	0.2474	0.01774	14.1

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan 4S electric; Porsche Internal Name SEP626, FEDV3. AXLE RATIO IS 10.07

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092169**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	08/05/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2766	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	105.9416
Charge Depleting Range (Calculated miles)	450.188	**Charge Depleting Range (Actual miles)**	450.188
Charge Depleting Range Highway (Calculated miles)	381.583	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	450.188
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)	7.446
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.13
Drive Trace Energy Economy Rating	-1.12
Drive Trace Inertia Work Ratio Rating	-1.34
Integrated DC KW-HRS	1.8481
Manufacturer Fuel Economy	24.82

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.251
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.41
Drive Trace Energy Economy Rating	1.11
Drive Trace Inertia Work Ratio Rating	5.53
Integrated DC KW-HRS	2.6403
Manufacturer Fuel Economy	25.757

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.447
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.11
Drive Trace Energy Economy Rating	-1.46
Drive Trace Inertia Work Ratio Rating	-1.17
Integrated DC KW-HRS	1.6299
Manufacturer Fuel Economy	21.887

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	239.867
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	18.49
Drive Trace Energy Economy Rating	0.02
Drive Trace Inertia Work Ratio Rating	37.21
Integrated DC KW-HRS	72.8279
Manufacturer Fuel Economy	30.362

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.45
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.19
Drive Trace Energy Economy Rating	-1.64
Drive Trace Inertia Work Ratio Rating	-1.31
Integrated DC KW-HRS	1.5274
Manufacturer Fuel Economy	20.502

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.45
Drive Trace Energy Economy Rating	1
Drive Trace Inertia Work Ratio Rating	5.62
Integrated DC KW-HRS	2.4753
Manufacturer Fuel Economy	24.142

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.45
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.13
Drive Trace Energy Economy Rating	-1.66
Drive Trace Inertia Work Ratio Rating	-1.23
Integrated DC KW-HRS	1.5522
Manufacturer Fuel Economy	20.835

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	34.463
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	3.72
Drive Trace Energy Economy Rating	-0.24
Drive Trace Inertia Work Ratio Rating	7.46
Integrated DC KW-HRS	10.7013
Manufacturer Fuel Economy	31.052

Manufacturer Test Comments MACAN 4S FEDV3. Internal Test Number: 25024287.

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XABT-26 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan Turbo electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	0.998
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECM	**Rated Horsepower**	576
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5558	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6504	**N/V Ratio**	103.4
Axle Ratio	9		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	47.97	0.1791	0.02438	-0.51	0.1749	0.01987	15.7

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan Turbo electric; Porsche Internal Name SEP841, FEDV1.

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092195**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	08/15/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3489	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	107.095
Charge Depleting Range (Calculated miles)	423.156	**Charge Depleting Range (Actual miles)**	423.156
Charge Depleting Range Highway (Calculated miles)	356.57	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	423.156
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)	7.471
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.58
Drive Trace Energy Economy Rating	-2.15
Drive Trace Inertia Work Ratio Rating	-2.15
Integrated DC KW-HRS	1.9635
Manufacturer Fuel Economy	26.282

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.259
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.91
Drive Trace Energy Economy Rating	-0.3
Drive Trace Inertia Work Ratio Rating	2.46
Integrated DC KW-HRS	2.8383
Manufacturer Fuel Economy	27.666

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.472
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.72
Drive Trace Energy Economy Rating	-2.13
Drive Trace Inertia Work Ratio Rating	-2.14
Integrated DC KW-HRS	1.7544
Manufacturer Fuel Economy	23.48

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	220.36
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	21.56
Drive Trace Energy Economy Rating	-0.14
Drive Trace Inertia Work Ratio Rating	43.4
Integrated DC KW-HRS	72.9296
Manufacturer Fuel Economy	33.096

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.474
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.59
Drive Trace Energy Economy Rating	-2.15
Drive Trace Inertia Work Ratio Rating	-2.1
Integrated DC KW-HRS	1.6283
Manufacturer Fuel Economy	21.786

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.26
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.98
Drive Trace Energy Economy Rating	-0.27
Drive Trace Inertia Work Ratio Rating	2.56
Integrated DC KW-HRS	2.6661
Manufacturer Fuel Economy	25.985

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.475
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.77
Drive Trace Energy Economy Rating	-2.2
Drive Trace Inertia Work Ratio Rating	-2.17
Integrated DC KW-HRS	1.6682
Manufacturer Fuel Economy	22.317

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	29.895
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.47
Drive Trace Energy Economy Rating	-0.29
Drive Trace Inertia Work Ratio Rating	4.97
Integrated DC KW-HRS	10.2047
Manufacturer Fuel Economy	34.135

Manufacturer Test Comments MACAN Turbo FEDV1. Internal Test Number: 25032073

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XABT-26 / 1	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan Turbo electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	0.998
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECM	**Rated Horsepower**	576
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5560	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6504	**N/V Ratio**	103.4
Axle Ratio	9		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	41	0.2044	0.02208	-6.05	0.2077	0.01745	14.2

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan Turbo electric; Porsche Internal Name SEP841, FEDV2.

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092196**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	08/07/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2807	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	107.0625
Charge Depleting Range (Calculated miles)	449.786	**Charge Depleting Range (Actual miles)**	449.786
Charge Depleting Range Highway (Calculated miles)	383.368	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	449.786
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)	7.441
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.73
Drive Trace Energy Economy Rating	-1.95
Drive Trace Inertia Work Ratio Rating	-2.61
Integrated DC KW-HRS	1.8037
Manufacturer Fuel Economy	24.24

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.26
Drive Trace Energy Economy Rating	0.27
Drive Trace Inertia Work Ratio Rating	2.5
Integrated DC KW-HRS	2.6423
Manufacturer Fuel Economy	25.771

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.442
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.6
Drive Trace Energy Economy Rating	-1.92
Drive Trace Inertia Work Ratio Rating	-2.47
Integrated DC KW-HRS	1.6408
Manufacturer Fuel Economy	22.048

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	239.267
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	13.93
Drive Trace Energy Economy Rating	0.14
Drive Trace Inertia Work Ratio Rating	28.03
Integrated DC KW-HRS	73.4493
Manufacturer Fuel Economy	30.698

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.443
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.52
Drive Trace Energy Economy Rating	-1.96
Drive Trace Inertia Work Ratio Rating	-2.41
Integrated DC KW-HRS	1.5343
Manufacturer Fuel Economy	20.614

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	2.11
Drive Trace Energy Economy Rating	0.29
Drive Trace Inertia Work Ratio Rating	2.35
Integrated DC KW-HRS	2.4821
Manufacturer Fuel Economy	24.211

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.443
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.64
Drive Trace Energy Economy Rating	-2.02
Drive Trace Inertia Work Ratio Rating	-2.55
Integrated DC KW-HRS	1.5683
Manufacturer Fuel Economy	21.071

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	33.972
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.55
Drive Trace Energy Economy Rating	-0.3
Drive Trace Inertia Work Ratio Rating	9.14
Integrated DC KW-HRS	10.6864
Manufacturer Fuel Economy	31.456

Manufacturer Test Comments MACAN Turbo FEDV2. Internal Test Number: 25024221

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XABT-26 / 2	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXT00.0EMT	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan Turbo electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	0.998
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	EBZ-ECM	**Rated Horsepower**	576
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	All Wheel Drive
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5551	**Equivalent Test Weight (pounds)**	6000
GVWR (lbs)	6504	**N/V Ratio**	103.4
Axle Ratio	9		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	39	0.2044	0.02067	-8.4	0.2187	0.01598	13.5

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan Turbo electric; Porsche Internal Name SEP841, FEDV3.

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test #	**TPRX10092197**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	08/12/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3140	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	107.0827
Charge Depleting Range (Calculated miles)	465.153	**Charge Depleting Range (Actual miles)**	465.153
Charge Depleting Range Highway (Calculated miles)	399.4	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	465.153
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)	7.443
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.68
Drive Trace Energy Economy Rating	-2.08
Drive Trace Inertia Work Ratio Rating	-2.61
Integrated DC KW-HRS	1.8483
Manufacturer Fuel Economy	24.833

Charge Depleting Bag/Phase #2

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.48
Drive Trace Energy Economy Rating	0.18
Drive Trace Inertia Work Ratio Rating	1.58
Integrated DC KW-HRS	2.5415
Manufacturer Fuel Economy	24.788

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.443
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.75
Drive Trace Energy Economy Rating	-2.13
Drive Trace Inertia Work Ratio Rating	-2.7
Integrated DC KW-HRS	1.5888
Manufacturer Fuel Economy	21.346

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	251.822
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	15.34
Drive Trace Energy Economy Rating	-0.06
Drive Trace Inertia Work Ratio Rating	30.88
Integrated DC KW-HRS	73.2867
Manufacturer Fuel Economy	29.103

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.444
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.62
Drive Trace Energy Economy Rating	-2.13
Drive Trace Inertia Work Ratio Rating	-2.57
Integrated DC KW-HRS	1.4723
Manufacturer Fuel Economy	19.778

Charge Depleting Bag/Phase #6

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.253
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	1.4
Drive Trace Energy Economy Rating	0.17
Drive Trace Inertia Work Ratio Rating	1.51
Integrated DC KW-HRS	2.3598
Manufacturer Fuel Economy	23.016

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.444
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.65
Drive Trace Energy Economy Rating	-2.14
Drive Trace Inertia Work Ratio Rating	-2.63
Integrated DC KW-HRS	1.5029
Manufacturer Fuel Economy	20.189

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	36.421
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	8
Drive Trace Energy Economy Rating	-0.26
Drive Trace Inertia Work Ratio Rating	16.07
Integrated DC KW-HRS	10.8634
Manufacturer Fuel Economy	29.827

Manufacturer Test Comments MACAN Turbo FEDV3. Internal Test Number: 25031760

Fuel Properties

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Consolidated List of Standards

Exhaust Standards

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	California ZEV
Fuel	Electricity	**Test Procedure**	Federal fuel 2-day exhaust (w/can load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**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
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**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
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--
Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**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
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 0
Fuel	Electricity	**Test Procedure**	Federal fuel 2-day exhaust (w/can load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**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
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**Evaporative/Refueling Family**	--

Glossary

Useful Life			
4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		

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

Certification Summary Information Report

Test Group	VPRXT00.0EMT	**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	VPRXT00.0EMT	**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	VPRXT00.0EMT	**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