



Mobile Air Conditioner Leakage Rates

Model Year 2015 (Alphabetical List)

Make	Model (MY 2015)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Audi	A3	Passenger Car	11.3	500	2.3
Audi	A4/S4	Passenger Car	11.2	550	2.0
Audi	A5-S5	Passenger Car	11.2	550	2.0
Audi	A5-S5 Cabriolet	Passenger Car	11.0	550	2.0
Audi	A6-A7	Passenger Car	11.3	570	2.0
Audi	A6 - Avant - S6	Passenger Car	11.3	570	2.0
Audi	Audi TTRS	Passenger Car	9.9	525	1.9
Audi	Audi TT-TTS-Roadster	Passenger Car	9.9	525	1.9
Audi	Q5	Crossover	11.2	550	2.0
Audi	Q7	SUV	13.6	700	1.9
Audi	Q7 (dual)	SUV	20.5	1050	2.0
Audi	A8-A8L 1 Eva	Passenger Car	14.7	780	1.9
Audi	A8-A8L 2 Eva	Passenger Car	18.7	930	2.0
Audi	R8	Passenger Car	16.0	650	2.5
Audi	RS5	Passenger Car	11.6	570	2.0
Audi	RS7	Passenger Car	11.1	540	2.1
	Continental GT, Continental GT Convertible, Continental GT3-R, Flying				
Bentley	Spur W12	Passenger Car	18.4	600	3.1
Bentley	Mulsanne	Passenger Car	20.8	920	2.3
Ford	Fiesta 1.6L TiVCT	Passenger Car	7.4	600	1.2
Ford	Fiesta 1.6L TiVCT GTDI	Passenger Car	7.4	680	1.1
Ford	MKC 2.0L GTI	SUV	8.7	680	1.3
Ford	MKC 2.0L and 2.3L GTDI	SUV	8.7	680	1.3
Ford	Taurus, MKS 2.0L GTDI	Passenger Car	11.0	740	1.5
Ford	Taurus, MKS 3.5L GTDI	Passenger Car	10.8	740	1.5
Ford	Police Interceptor Sedan 3.5 L GTDI	Passenger Car	10.8	740	1.5
Ford	Taurus, MKS 3.5L /3.7L TiVCT	Passenger Car	11.0	650	1.7
Ford	Police Interceptor Sedan 3.5L/3.7L TiVCT	Passenger Car	11.0	650	1.7
Ford	Explorer (Dual Evaporator) 2.0L GTDI	SUV	13.4	1330	1.0
Ford	Explorer (Dual Evaporator) 3.5L GTDI	SUV	13.3	1330	1.0

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Ford	Explorer (Dual Evaporator) 3.5L TiVCT	SUV	13.3	1160	1.1
Ford	Police Interceptor Utility (Dual Evaporator) 3.7L TiVCT	SUV	13.3	1050	1.3
Ford	Police Interceptor Utility 3.7 TiVCT	SUV	9.0	740	1.2
Ford	Fusion 1.5L GDTI	Passenger Car	7.8	570	1.4
Ford	Fusion 1.6L GDTI	Passenger Car	7.8	570	1.4
Ford	Fusion 2.5L iVCT	Passenger Car	8.7	680	1.3
Ford	Fusion 3.7L TiVCT	Passenger Car	8.3	680	1.2
Ford	Fusion/MKZ HEV/PHEV	Passenger Car	3.2	570	0.6
Ford	Expedition/Navigator (Dual Evaporator) 3.5L GDTI, Short Wheelbase	SUV	11.9	1250	1.0
Ford	Expedition/Navigator (Dual Evaporator) 3.5L GDTI, Long Wheelbase	SUV	10.4	1130	0.9
Ford	Mustang 3.7L TiVCT	Passenger Car	7.1	650	1.1
Ford	Mustang 5.0 FFV TiVCT	Passenger Car	7.1	650	1.1
Ford	Escape 2.5L iVCT	SUV	8.7	680	1.3
Ford	Escape 1.6L GDTI	SUV	10.4	680	1.5
Ford	Escape 2.0L GDTI	SUV	10.4	770	1.4
Ford	F-150 2.7L GDTI	Pick-up	10.4	880	1.2
Ford	F-150 3.5L GDTI 3.5L TiVCT	Pick-up	10.4	880	1.2
Ford	F-150 5.0L TiVCT	Pick-up	10.4	880	1.2
Ford	MKT Livery 2.0L GTDI (Dual Evaporator)	Passenger Car	10.4	1020	1.0
Ford	Flex/MKT 3.5L GTDI (Dual Evaporator)	Passenger Car	10.4	1020	1.0
Ford	Flex/MKT 3.5L/3.7L TiVCT (Dual Evaporator)	Passenger Car	10.4	1020	1.0
Ford	Fiesta 1.0L TiVCT GDTI	Passenger Car	7.4	680	1.1
Ford	Fusion/MKZ 2.0L GTDI	Passenger Car	8.8	570	1.5
Ford	Mustang 2.3L GTDI	Passenger Car	7.3	650	1.1
Ford	C Max HEV/PHEV	Passenger Car	5.6	740	0.8
General Motors	Buick Enclave (Double Evaporator)	Crossover	12.1	1050	1.2
General Motors	Buick Enclave	SUV	9.0	570	1.6
General Motors	Buick Lacrosse	Passenger Car	8.1	625	1.3
General Motors	Buick Regal	Passenger Car	8.1	625	1.3
General Motors	Buick Verano	Passenger Car	7.8	650	1.2

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General Motors	Cadillac ATS	Passenger Car	8.1	570	1.4
General Motors	Cadillac CTS	Passenger Car	8.1	550	1.5
General Motors	Cadillac ELR	Passenger Car	6.0	1100	0.5
General Motors	Cadillac Escalade ESV (Dual Evaporator)	SUV	13.3	1020	1.3
General Motors	Cadillac Escalade (Dual Evaporator)	SUV	13.3	1020	1.3
General Motors	Cadillac SRX	Crossover	8.7	730	1.2
General Motors	Cadillac XTS	Passenger Car	8.2	620	1.3
General Motors	Chevrolet Camaro	Passenger Car	8.7	540	1.6
General Motors	Chevrolet Captiva	SUV	8.8	575	1.5
General Motors	Chevrolet Colorado	Pick-up	9.6	650	1.5
General Motors	Chevrolet Corvette	Passenger Car	8.3	600	1.4
General Motors	Chevrolet Cruze	Passenger Car	8.0	650	1.2
General Motors	Chevrolet Equinox	SUV	8.5	650	1.3
General Motors	Chevrolet Express (Dual Evaporator)	Other	10.6	1410	0.8
General Motors	Chevrolet Express	Other	9.5	810	1.2
General Motors	Chevrolet Impala	Passenger Car	8.3	625	1.3
General Motors	Chevrolet Malibu	Passenger Car	8.1	625	1.3
General Motors	Chevrolet Silverado	Pick-up	10.9	600	1.8
General Motors	Chevrolet Sonic	Passenger Car	9.8	540	1.8
General Motors	Chevrolet Spark	Passenger Car	9.9	430	2.3
General Motors	Chevrolet Suburban (Dual Evaporator)	SUV	13.3	1020	1.3
General Motors	Chevrolet Tahoe (Dual Evaporator)	SUV	13.3	1020	1.3
General Motors	Chevrolet Traverse (Dual Evaporator)	Crossover	12.1	1050	1.2
General Motors	Chevrolet Trax	SUV	9.0	570	1.6
General Motors	Chevrolet Volt	Passenger Car	6.0	1100	0.5
General Motors	GMC Acadia (Dual Evaporator)	Crossover	12.1	1050	1.2
General Motors	GMC Canyon	Pick-up	9.6	650	1.5
General Motors	GMC Savana (Dual Evaporator)	Other	10.6	1410	0.8
General Motors	GMC Savana	Other	9.5	810	1.2
General Motors	GMC Sierra	Pick-up	10.9	600	1.8

Make	Model (MY 2015)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
General Motors	GMC Terrain	SUV	8.5	650	1.3
General Motors	GMC Yukon XL (Dual Evaporator)	SUV	13.3	1020	1.3
General Motors	GMC Yukon (Dual Evaporator)	SUV	13.3	1020	1.3
General Motors	Chevrolet City Express Cargo Van	other	14.1	450	3.1
Honda	Civic Hybrid	Passenger Car	17.4	425	4.1
Honda	Civic CNG	Passenger Car	14.2	425	3.3
Honda	Civic Si Sedan	Passenger Car	13.9	425	3.3
Honda	Civic Si Coupe	Passenger Car	14.3	425	3.4
Honda	Civic Sedan	Passenger Car	14.2	425	3.3
Honda	Civic Coupe	Passenger Car	14.6	425	3.4
Honda	RLX Hybrid	Passenger Car	12.6	485	2.6
Honda	Accord Hybrid	Passenger Car	8.3	435	1.9
Honda	CR-Z	Passenger Car	12.2	500	2.4
Honda	Crosstour L4	Crossover	15.2	450	3.4
Honda	Crosstour V6	Crossover	15.2	450	3.4
Honda	Pilot (Dual Evaporator)	SUV	19.1	650	2.9
Honda	Odyssey (Dual Evaporator)	Minivan	18.8	750	2.5
Honda	Accord Plug-in Hybrid	Passenger Car	8.3	435	1.9
Honda	Acura RXL	Passenger Car	15.2	500	3.0
Honda	Acura RDX	SUV	16.3	455	3.6
Honda	Acura MDX (Dual Evaporator)	SUV	17.8	700	2.5
Honda	Acura ILX Hybrid	Passenger Car	17.8	425	4.2
Honda	Acura ILX 2.0L	Passenger Car	14.7	425	3.5
Honda	Acura ILX 2.4L	Passenger Car	15.0	425	3.5
Honda	Acura TLX L4	Passenger Car	14.5	525	2.8
Honda	Acura TLX V6	Passenger Car	14.3	525	2.7
Honda	Fit	Passenger Car	15.4	425	3.6
Honda	CR-V	Passenger Car	14.3	435	3.3
Honda	Accord L4 Sedan/Coupe	Passenger Car	15.6	475	3.3
Honda	Accord V6 Sedan/Coupe	Passenger Car	15.6	475	3.3

Make	Model (MY 2015)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Hyundai	Accent	Passenger Car	12.8	450	2.8
Hyundai	Tuscon Fuel Cell	SUV	14.6	550	2.7
Hyundai	Tuscon	SUV	14.4	550	2.6
Hyundai	Veloster Turbo	Passenger Car	13.6	450	3.0
Hyundai	Genesis 3.8	Passenger Car	15.6	700	2.2
Hyundai	Genesis Coupe 3.8	Passenger Car	13.7	670	2.0
Hyundai	Genesis Coupe 2.0	Passenger Car	13.9	670	2.1
Jaguar Land Rover	Jaguar XF (V6 and V8)	Passenger Car	12.8	750	1.7
Jaguar Land Rover	Jaguar XF (I4)	Passenger Car	12.8	750	1.7
Jaguar Land Rover	Land Rover LR2	SUV	11.8	730	1.6
Jaguar Land Rover	Jaguar XF (V6 - All Wheel Drive)	Passenger Car	13.4	750	1.8
Kia	Forte 1.8/2.0, Forte Koup 2.0, Forte 5 2.0	Passenger Car	13.3	550	2.4
Kia	Rio	Passenger Car	12.8	470	2.7
Kia	Sportage	SUV	13.4	550	2.4
Kia	Soul EV (w/ heat pump system)	Passenger Car	22.8	900	2.5
Kia	K900 5.0L	Passenger Car	14.2	650	2.2
Kia	K900 3.8L	Passenger Car	14.0	650	2.2
Kia	Sedona (dual)	Minivan	19.2	1100	1.7
Kia	Soul EV	Passenger Car	14.1	550	2.6
Mazda	Mazda 6 2.5L	Passenger Car	15.7	490	3.2
Mazda	Mazda CX-5 2.0L and 2.5L	SUV	15.7	490	3.2
Mazda	Mazda 3 2.0L 2.5L	Passenger Car	15.7	490	3.2
Mazda	Mazda CX-9 3.7L (Dual Evaporator)	SUV	21.9	685	3.2
Mazda	Mazda 5 2.5L	Minivan	18.1	480	3.8
Mazda	Mazda 3 2.0L (Mexico Plant)	Passenger Car	12.1	490	2.5
Mazda	Mazda MX-5 2.0L	Passenger Car	13.5	450	3.0
Mitsubishi	Mirage 1.2L	Passenger Car	11.2	270	4.2
Mitsubishi	Lancer 2.0L and 2.4L	Passenger Car	12.9	500	2.6
Mitsubishi	Lancer Sportback 2.0L and 2.4L	Passenger Car	12.9	500	2.6
Mitsubishi	Lancer Evolution 2.0L Turbo Charged Engine	Passenger Car	12.9	500	2.6

Make	Model (MY 2015)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Mitsubishi	Lancer 2.0L Turbo Charged Engine	Passenger Car	12.9	500	2.6
Mitsubishi	Outlander Sport 2.0L	SUV	11.4	500	2.3
Mitsubishi	Outlander 2.4L	SUV	11.2	450	2.5
Mitsubishi	Outlander 3.0L	SUV	11.3	450	2.5
Mitsubishi	i-MiEV	Passenger Car	7.5	325	2.3
Nissan	Versa Sedan	Passenger Car	10.1	400	2.5
Nissan	Altima (VQ35DE)	Passenger Car	15.1	525	2.9
Nissan	Xterra	SUV	10.7	700	1.5
Nissan	Rogue	Crossover	13.1	500	2.6
Nissan	Pathfinder HEV	Crossover	17.1	800	2.1
Nissan	Sentra	Passenger Car	12.4	450	2.8
Nissan	Infiniti QX50	Crossover	13.6	550	2.5
Nissan	Infiniti Q60 Convertible	Passenger Car	13.7	550	2.5
Nissan	Infiniti Q70 (3.7L)	Passenger Car	15.0	550	2.7
Nissan	Infiniti QX60 Hybrid (dual)	Crossover	17.1	800	2.1
Nissan	Versa Note Hatchback	Passenger Car	10.1	400	2.5
Nissan	LEAF (EV) S grade	Passenger Car	10.1	450	2.2
Nissan	NV200	Other	14.1	450	3.1
Nissan	Frontier (QR25DE)	Pick-up	10.7	700	1.5
Nissan	Juke	Crossover	12.5	400	3.1
Nissan	Titan	Pick-up	12.2	700	1.7
Nissan	Infiniti Q50	Passenger Car	14.6	500	2.9
Nissan	Infiniti Q60 Coupe	Passenger Car	13.7	550	2.5
Nissan	Infiniti (5.6L)	Passenger Car	15.0	550	2.7
Nissan	GTR	Passenger Car	14.5	500	2.9
Nissan	LEAF (EV) SV, SL grade	Passenger Car	12.3	850	1.4
Nissan	NV200 (Taxi) (dual)	other	16.1	650	2.5
Nissan	Frontier (VQ40DE)	Pick-up	10.7	700	1.5
Nissan	Juke RS	Crossover	12.5	400	3.1
Nissan	Armada (dual)	SUV	14.1	1080	1.3

Make	Model (MY 2015)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Nissan	Infiniti Q50 Hybrid	Passenger Car	11.9	500	2.4
Nissan	Infiniti QX70	Crossover	14.3	550	2.6
Nissan	Infiniti QX70 Hybrid	Passenger Car	11.6	550	2.1
Nissan	Altima (QR25DE)	Passenger Car	15.2	525	2.9
Nissan	370Z Coupe/Roadster	Passenger Car	14.4	500	2.9
Nissan	Quest (dual)	Minivan	18.6	900	2.1
Nissan	Pathfinder (dual)	Crossover	18.1	830	2.2
Nissan	Murano	Crossover	13.6	600	2.3
Nissan	Rogue Select	Crossover	13.6	500	2.7
Nissan	Infiniti Q40	Passenger Car	14.4	550	2.6
Nissan	Infiniti QX80 (dual)	SUV	20.2	1050	1.9
Nissan	Infiniti QX60 (dual)	Crossover	18.1	830	2.2
Porsche	911 Carrera, 911 Carrera S, 911 Turbo, 911 GT3	Passenger Car	18.1	900	2.0
Porsche	Boxster, Boxster S, Boxster GTS, Cayman, Cayman S, Cayman GTS	Passenger Car	17.6	850	2.1
Porsche	Cayenne S, GTS, Diesel, S hybrid, Turbo, Turbo S (Double Evaporator)	SUV	17.2	1100	1.6
Porsche	Cayenne S, GTS, Diesel, S hybrid, Turbo	SUV	11.8	700	1.7
Porsche	Macan S, Macan Turbo	SUV	11.8	700	1.7
Porsche	Panamera, 4, S, 4S, 4S Executive, GTS, Turbo, Turbo Executive, Turbo S, Turbo S Executive, S e-Hybrid	Passenger Car	12.8	580	2.2
Subaru	BRZ	Passenger Car	15.7	390	4.0
Subaru	Forester	SUV	16.8	450	3.7
Subaru	Impreza 2.0i	Passenger Car	16.9	450	3.8
Subaru	WRX (Except STI)	Passenger Car	16.7	450	3.7
Subaru	WRX STI	Passenger Car	13.8	450	3.1
Subaru	XV Crosstrek (Except Hybrid)	Crossover	16.9	450	3.8
Subaru	XV Crosstrek Hybrid	Crossover	16.7	450	3.7
Subaru	Legacy 3.6R	Passenger Car	15.9	425	3.7
Subaru	Legacy 2.5i	Passenger Car	15.8	425	3.7
Subaru	Outback 2.5i	SUV	15.8	425	3.7
Subaru	Outback 3.6R	SUV	15.9	425	3.7

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Toyota	Avalon Hybrid	Passenger Car	6.1	500	1.2
Toyota	Prius v	Passenger Car	8.7	470	1.9
Toyota	Avalon	Passenger Car	12.7	500	2.5
Toyota	Lexus LS 460/LS 460 L (Dual Evaporator)	Passenger Car	20.4	700	2.9
Toyota	Lexus LS 460/LS 460 L (Dual Evaporator)	Passenger Car	16.3	550	3.0
Toyota	Lexus LS 460 AWD/LS 460 L AWD (Dual Evaporator)	Passenger Car	19.6	700	2.8
Toyota	Lexus LS 460 AWD/LS 460 L AWD	Passenger Car	15.5	550	2.8
Toyota	Lexus LS 600h L (Dual Evaporator)	Passenger Car	14.3	840	1.7
Toyota	Prius C	Passenger Car	8.4	420	2.0
Toyota	Scion xB	Passenger Car	14.7	440	3.3
Toyota	Lexus NX 200t	SUV	14.6	500	2.9
Toyota	Scion FR-S	Passenger Car	15.7	390	4.0
Toyota	Lexus NX 300h	SUV	8.7	500	1.7
Toyota	Lexus RC 350	Passenger Car	14.2	570	2.5
Toyota	Lexus RC F	Passenger Car	14.5	570	2.5
Toyota	Scion tC	Passenger Car	14.3	440	3.3