

Mobile air conditioner leakage rates

Model year 2019 (Alphabetical list)

Make	Model (MY 2019)	Type of vehicle	Leakage rate (grams/year)	A/C charge size (grams)	Percentage loss per year
Ford	Flex/MKT 3.5L GTDI (dual evaporator)	Crossover	10.1	1110	0.9
Ford	Flex/MKT 3.5L/3.7L TiVCT (dual evaporator)	Crossover	10.3	1050	1.0
Ford	Transit 3.2L Diesel I5	Van	7.4	790	0.9
Ford	Transit 3.2L Diesel I5 MVB (dual evaporator)	Van	8.1	1110	0.7
Ford	Transit 3.2L Diesel I5 LWB (dual evaporator)	Van	8.2	1110	0.7
Ford	Transit 3.2L Diesel I5 LWB EF (dual evaporator)	Van	8.3	1110	0.7
Ford	Transit 3.7L PFDi & 3.5L GTDI V6	Van	7.2	790	0.9
Ford	Transit 3.7L PFDi V6 MWB (dual evaporator)	Van	7.9	1110	0.7
Ford	Transit 3.7L PFDi V6 LWB (dual evaporator)	Van	8.0	1110	0.7
Ford	Transit 3.7L PFDi V6 LWB EF (dual evaporator)	Van	8.1	1110	0.7
Ford	Transit 3.5L GTDI V6 MWB (dual evaporator)	Van	7.9	1190	0.7
Ford	Transit 3.7L GTDI V6 LWB (dual evaporator)	Van	8.0	1190	0.7
Ford	Transit 3.7L GTDI V6 LWB EF (dual evaporator)	Van	8.1	1190	0.7
Ford	Taurus 2L GTDI	Passenger car	9.6	740	1.3
Ford	Taurus 3.5L GTDI	Passenger car	9.6	740	1.3
Ford	Police Interceptor Sedan 3.5L GTDI	Passenger car	9.5	740	1.3
Ford	Taurus 3.5L 3.7L TiVCT	Passenger car	9.6	650	1.5
Ford	Police Interceptor Sedan 3.5L/3.7L TiVCT	Passenger car	9.6	650	1.5
Ford	Explorer 2.3L GTDI (dual evaporator)	SUV	11.0	1280	0.9
Ford	Explorer 2.5L GTDI (dual evaporator)	SUV	10.9	1280	0.9
Ford	Explorer 3.5L tiVCT FWD (dual evaporator)	SUV	11.0	1160	0.9
Ford	Explorer 3.5/3.7L tiVCT AWD (dual evaporator)	SUV	11.0	1080	1.0
Ford	Police Inspector Utility 3.7L TiVCT	SUV	10.5	740	1.4
Ford	Police Inspector Utility 3.5L GTDI	SUV	10.4	960	1.1
Ford	Fiesta 1.6L TiVCT	Passenger car	7.4	600	1.2
Ford	Fiesta 1L TiVCT GTDI	Passenger car	7.3	680	1.1
Ford	Fiesta ST 1.6L TiVCT GTDI	Passenger car	7.3	680	1.1
Ford	Shelby GT350 5.2L V8	Passenger car	7.0	680	1.0
General Motors	Buick Cascada	Passenger car	8.0	590	1.4
General Motors	Buick Encore	SUV	9.0	570	1.6

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General Motors	Buick Envision (dual evaporator)	SUV	8.1	600	1.4
General Motors	Cadillac CT6 PHEV	Passenger car	11.1	1300	0.9
General Motors	Chevrolet Corvette	Passenger car	7.8	600	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 Sonic	Passenger Car	9.0	540	1.7
General Motors	Chavrolet Trax	SUV	9.0	570	1.6
General Motors	Chavrolet Volt	Passenger car	5.9	1100	0.5
General Motors	GMC Savana (dual evaporator)	Other	10.6	1410	0.8
General Motors	GMC Savana	Other	9.5	810	1.2
General Motors	Chevrolet City Express Cargo Van	Other	14.1	450	3.1
Honda	Acura TLX L4	Passenger car	12.6	525	2.4
Honda	Acura TLX V6	Passenger car	12.3	525	2.3
Honda	Acura RLX	Passenger car	12.2	500	2.4
Honda	Acura RLX hybrid	Passenger car	11.8	485	2.4
Honda	Acura MXC hybrid	SUV	10.0	725	1.4
Honda	Acura NSX	Passenger car	10.6	505	2.1
Lincoln	MKC 2L GTDI	SUV	7.3	680	1.1
Lincoln	MKC 2L, 3L AWD	SUV	7.3	680	1.1
Lincoln	MKT Livery 2L GTDI (dual evaporator)	Crossover	10.2	1110	0.9
Lincoln	Continental 2L GTDI	Passenger car	8.6	680	1.3
Lincoln	Continental 2.7L/3L GTDI	Passenger car	8.2	570	1.4
Lincoln	Continental 3.7L GTDI	Passenger car	8.2	570	1.4
Mazda	CX3 2.0L	Passenger car	18.2	420	4.3
Mazda	MX5 2.0L	Passenger car	17.1	420	4.1
Mazda	CX9 2.5L	SUV	17.8	750	2.4
Mazda	Mazda2 1.5 L	Passenger car	14.3	420	3.4
Mazda	CX5 2.5L	SUV	13.4	490	2.7
Mazda	CX5 2.5L turbocharged	SUV	12.9	490	2.6
Mazda	CX5 2.2L diesel	SUV	12.9	490	2.6

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Mazda	Mazda3 2.5L with cylinder deactivation	Passenger car	13.1	490	2.7
Mazda	Mazda6 2.5L	Passenger car	13.4	490	2.7
Mazda	Mazda6 2.5L T/C	Passenger car	13.0	490	2.7
Mazda	Mazda3 2.5L with cylinder deactivation	Passenger car	12.7	490	2.6
Mazda	Mazda6 2.2L diesel	Passenger car	13.0	490	2.7
Mercedes	Group 2 S 560 e (dual evaporator)	Passenger car	6.8	710	1.0
Mercedes	Group 3 S Class	Passenger car	8.2	660	1.2
Mercedes	Group 4 GLE-class, GLS-class	SUV	10.6	1050	1.0
Mercedes	Group 9 smart fortwo (dual evaporator)	Passenger car	12.1	575	2.1
Mercedes	Group 13 C-class, E -class, CLS-Class, AMG G 4 coupe	Passenger car	8.0	630	1.3
Mercedes	Group 14 GLC class	SUV	8.0	630	1.3
Mercedes	Group 14 GLC 350 e (dual evaporator)	SUV	6.7	670	1.0
Mercedes	Group 15 A class	Passenger car	8.1	690	1.2
Mercedes	Group 8 CLA class	Passenger car	9.8	670	1.5
Mercedes	GLA-class	SUV	9.8	650	1.5
Mitsubishi	Mirage 1.2L, Mirage G4 1.2L	Passenger car	11.6	270	4.3
Mitsubishi	Outlander Sport 2.0L and 2.4L	SUV	11.9	500	2.4
Nissan	Leaf S grade 62kWh	Passenger car	11.8	450	2.6
Nissan	Leaf SV/SL grade 62kWh	Passenger car	19.0	850	2.2
Nissan	Infiniti Q60 2L turbo	Passenger car	14.0	500	2.8
Nissan	Infiniti Q70 3.7L	Passenger car	13.4	550	2.4
Nissan	Infiniti Q60 3L turbo	Passenger car	14.4	500	2.9
Nissan	Infiniti Q70 5.6L	Passenger car	13.9	550	2.5
Nissan	Infiniti QX50	Crossover	10.8	525	2.1
Nissan	Infiniti QX60	SUV	12.6	626	2.0
Nissan	370Z coupe/conv	Passenger car	13.8	500	2.8
Nissan	Infiniti QX50 2L turbo	Passenger car	14.0	500	2.8
Nissan	Infiniti QX50 3L turbo	Passenger car	14.4	500	2.9
Nissan	Infiniti QX30	Crossover	9.0	650	1.4
Nissan	infiniti QX80	SUV	15.5	1050	1.5

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Nissan	Armada	SUV	15.5	1050	1.5
Nissan	GTR	Passenger car	11.8	500	2.4
Nissan	Sentra turbo	Passenger car	10.4	450	2.3
Nissan	Sentra	Passenger car	9.9	450	2.2
Nissan	City express cargo van	Other	10.0	450	2.2
Nissan	Frontier 2.5L	Pick-up	9.9	700	1.4
Nissan	Frontier 4L	Pick-up	9.9	700	1.4
Nissan	NV200 NYC Taxi (dual evaporator)	Other	12.9	600	2.2
Nissan	NV200	Other	10.0	450	2.2
Nissan	Pathfinder	SUV	15.2	880	1.7
Nissan	Rogue hybrid	Crossover	6.4	500	1.3
Nissan	Rogue	Crossover	10.4	500	2.1
Nissan	Versa hatchback	Passenger car	9.8	400	2.5
Nissan	Versa sedan	Passenger car	9.8	400	2.5
Nissan	Leaf S grade 40kWh	Passenger car	11.8	450	2.6
Nissan	Leaf SV/SL grade 40kWh	Passenger car	19.0	850	2.2
Nissan	Maxima	Passenger car	11.7	525	2.2
Nissan	Murano	SUV	9.7	550	1.8
Nissan	Leaf plus with hubrid heater system	Passenger car	19.0	850	2.2
Nissan	Leaf plus with hubrid heater system	Passenger car	11.8	450	2.6
Nissan	Leaf with hybrid heater system	Passenger car	19.0	850	2.2
Nissan	Leaf	Passenger car	11.8	450	2.6
Subaru	Subaru Crosstrek Plug-in Hybrid	Crossover	26.8	790	3.4
Subaru	BRZ	Passenger car	15.5	390	4.0
Subaru	Subaru Crosstrek with automatically controlled A/C system	Crossover	17.0	475	3.6
Subaru	Subaru Crosstrek with manually controlled A/C system	Crossover	14.1	475	3.0
Subaru	Subaru Impreza with automatically controlled A/C system	Passenger car	17.0	475	3.6
Subaru	Subaru Impreza with manually controlled A/C system	Passenger car	14.1	475	3.0
Subaru	Subaru WRX (except STI)	Passenger car	16.7	450	3.7
Subaru	Subaru WRX STI	Passenger car	13.8	450	3.1

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Subaru	Toyota 86	Passenger car	15.5	390	4.0
Toyota	4Runner	SUV	15.4	550	2.8
Toyota	Land Cruiser wagon with cool box (dual evaporator)	SUV	28.2	970	2.9
Toyota	Lexus LX 570 with cool box (dual evaporator)	SUV	28.2	970	2.9
Toyota	Corolla	Passenger car	12.5	450	2.8
Toyota	Corolla le eco	Passenger car	12.6	450	2.8
Toyota	Lexus GS F	Passenger car	14.4	570	2.5
Toyota	Lexus NX 300	SUV	14.3	500	2.9
Toyota	Lexus NX 300h	SUV	8.4	500	1.7
Toyota	Lexus RC F	Passenger car	14.4	570	2.5
Toyota	Yaris	Passenger car	12.6	360	3.5
Toyota	Highlander 3.5L(with S&S) (dual evaporator)	SUV	16.2	820	2.0
Toyota	Highlander 3.5L (without S&S) (dual evaporator)	SUV	16.2	820	2.0