

Mobile Air Conditioner Leakage Rates

Model Year 2018 (Alphabetical List)

Make	Model (MY 2018)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Buick	Cascada	Passanger Car	8.0	590	1.4
Buick	Encore	SUV	9.0	570	1.6
Buick	Envision	SUV	8.0	600	1.3
Chevrolet	Corvette	Passanger Car	8.3	600	1.4
Chevrolet	Express (dual evaporator)	Other	10.6	1410	0.8
Chevrolet	Express	Other	9.5	810	1.2
Chevrolet	Sonic	Passanger Car	9.8	540	1.8
Chevrolet	Trax	SUV	9.0	570	1.6
Chevrolet	Volt	Passanger Car	5.9	1100	0.5
Chevrolet	City express cargo van	Other	14.1	450	3.1
Ford	Transit connect 1.6L GTDI	Van/Wagon	7.4	680	1.1
Ford	Transit connect 1.6L GTDI (dual evaporator)	Van/Wagon	7.9	680	1.2
Ford	Transit connect 2.5L	Van/Wagon	7.3	680	1.1
Ford	Transit connect 2.5L (dual evaporator)	Van/Wagon	7.8	880	0.9
Ford	Trnasit 3.2L Diesel I5	Van/Wagon	7.4	790	0.9
Ford	Trnasit 3.2L Diesel I5 , 130" wheelbase (dual e	Van/Wagon	8.1	1110	0.7
Ford	Transit 3.2L Diesle I5, 148" wheelbase (dual e	Van/Wagon	8.2	1110	0.7
Ford	Transit 148" wheelbase ext body	Van/Wagon	8.3	1110	0.7
Ford	Transit 3.7L TIVAC, 3.5L GTDI V6, 3.7L TIVC	Van/Wagon	7.2	790	0.9
Ford	Transit 3.7L TIVCT V6, 130" wheelbase (dual	Van/Wagon	7.9	1110	0.7
Ford	Transit 3.7L TIVCT V6, 148" wheelbase (dual	Van/Wagon	8.0	1110	0.7
Ford	Transit 3.5L GTDI V6, 148" Wheelbase ext bo	Van/Wagon	8.1	1110	0.7
Ford	Transit 3.5L GTDI V6, 130" wheelbase (dual e	Van/Wagon	7.9	1190	0.7
Ford	Transit 3.5L GTDI V6 148 " wheelbase (dual e	Van/Wagon	8.0	1190	0.7
Ford	Transit 148" wheelbase ext body (dual evapor	Van/Wagon	8.1	1190	0.7
Ford	Edge 2.0L I4 GTDI	SUV	8.7	680	1.3
Ford	Edge/MKX 2.7L V6 GTDI	SUV	8.4	600	1.4
Ford	Edge 3.5L v6 TiVCT	SUV	8.4	680	1.2
Ford	Taurus 3.5L GTDI	Passanger Car	9.6	740	1.3
Ford	Police interceptor Sedan 3.5L GTDI	Passanger Car	9.6	740	1.3
Ford	Taurus 3.5L/3.7L TiVCT	Passanger Car	9.8	650	1.5
Ford	Police Interceptor Sedan 3.5L/3.7L TiVCT	Passanger Car	9.8	650	1.5
Ford	Explorer 2.3L GTDI (Dual evaporator)	SUV	11.0	1280	0.9

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Ford	Explorer 3.5L GTDI (dual evaporator)	SUV	10.9	1280	0.9
Ford	Explorer 3.5L TiVCT (dual evaporator)	SUV	11.0	1160	0.9
Ford	Explorer 3.L/3.7L TiVCT (dual evaporator)	SUV	11.0	1080	1.0
Ford	Police Interceptor Utility 3.7L TiVCT	SUV	10.5	740	1.4
Ford	Police Interceptor Utility 3.5L GTDI	SUV	10.4	960	1.1
Ford	C-Max HEV	Passenger Car	4.5	740	0.6
Ford	Mustang SVT 5.2L V8	Passenger Car	7.1	680	1.0
Ford	Fiesta 1.6L TiCVT	Passenger Car	7.4	600	1.2
Ford	Fiesta 1.6L TiVCT GDI	Passenger Car	7.4	680	1.1
Ford	Fiesta 1.0L TiVCT GDI	Passenger Car	7.4	680	1.1
Ford	Taurus 2.0L GTDI	Passenger Car	9.8	740	1.3
Ford	C-Max PHEV	Passenger Car	4.5	740	0.6
Ford/Lincoln	Flex/MKT 3.5L GTDI (dual evaporator)	Crossover	10.3	1110	0.9
Ford/Lincoln	Flex/MKT 3.5L/3.7L TiVCT (dual evaporator)	Crossover	10.5	1050	1.0
GMC	Savana (dual evaporator)	Other	10.6	1410	0.8
GMC	Savana	Other	9.5	810	1.2
Honda	Acura NXS	Passenger Car	10.9	505	2.2
Honda	Acura MDX hybrid	SUV	10.9	725	1.5
Honda	Acura ILX 2.4L	Passenger Car	14.9	425	3.5
Honda	Acura TLX L4	Passenger Car	12.7	525	2.4
Honda	Acura TLX V6	Passenger Car	12.4	525	2.4
Honda	Acura RDX	SUV	14.4	480	3.0
Honda	Fit	Passenger Car	13.5	425	3.2
Honda	Acura RLX	Passenger Car	12.2	500	2.4
Honda	Acura RLX Hybrid	Passenger Car	11.8	485	2.4
Honda	HR-V	Passenger Car	13.8	455	3.0
Honda	Acura MDX	SUV	13.0	725	1.8
Lincoln	MKT Livery 2.0L GTDI (dual evaporator)	Crossover	10.3	1110	0.9
Lincoln	MKC 2.0L, 2.3L GTDI	SUV	7.4	680	1.1
Lincoln	Continental 2.0L GTDI	Passenger Car	8.7	680	1.3
Lincoln	Continental 2.7L, 3.0L GTDI	Passenger Car	8.3	570	1.5
Lincoln	MKX 3.7L V6 TiVCT	SUV	8.4	680	1.2
Mazda	Mazda 2 1.5 L	Passenger Car	20.7	420	4.9

Make	Model (MY 2018)	Type of Vehicle	Leakage Rate (grams/year)	AC Charge Size (grams)	Percentage loss per year
Mazda	Mazda 3 2.0L 2.5L	Passanger Car	15.7	490	3.2
Mazda	Mazda 3 2.L 2.5L (mextco plant)	Passanger Car	12.1	490	2.5
Mazda	CX-3 2.0L	Passanger Car	23.9	420	5.7
Mazda	CX-9 2.5L	SUV	16.9	750	2.3
Mazda	MX-5 2.0L	Passanger Car	17.1	420	4.1
Mazda	CX-5 2.5L	SUV	14.5	490	3.0
Mazda	CX-5 2.2L Diesel	SUV	13.8	490	2.8
Mazda	Mazda6 2.5L	Passanger Car	14.6	490	3.0
Mazda	Mazda6 2.5L T/C	Passanger Car	13.9	490	2.8
Mazda	Mazda6 2.2L diesel	Passanger Car	13.8	490	2.8
Mercedes	CLS-class	Passanger Car	10.7	590	1.8
Mercedes	S-class	Passanger Car	8.1	660	1.2
Mercedes	S-class, Maybach S-class (dual evaporator)	Passanger Car	8.8	770	1.1
Mercedes	GLE-class, GLS-class	SUV	10.6	1050	1.0
Mercedes	GLS-class (dual evaporator)	SUV	14.6	1300	1.1
Mercedes	G-class	SUV	11.4	900	1.3
Mercedes	SLC-class	Passanger Car	10.7	550	1.9
Mercedes	SL-class	Passanger Car	10.5	550	1.9
Mercedes	CLA-class, GLA-class	Passanger Car	9.9	650	1.5
Mercedes	Smart	Passanger Car	16.8	575	2.9
Mercedes	GLE 550 e	SUV	7.9	1050	0.8
Mercedes	AMG GT-class	Passanger Car	11.4	640	1.8
Mercedes	C-class, GLC-class, E-class	Passanger Car	8.1	630	1.3
Mercedes	C 350 e (dual evaporator)	Passanger Car	6.7	670	1.0
Mercedes	Group 8	Passanger Car	9.8	650	1.5
Mitsubishi	Mirage 1.2L, Mirage G4, 1.2L	Passanger Car	11.6	270	4.3
Mitsubishi	Outlander sport 2.0L, 2.4L	SUV	11.9	500	2.4
Nissan	Infiniti Q50 3.0L turbo	Passanger Car	14.4	500	2.9
Nissan	Infiniti Q50 2.0L turbo	Passanger Car	14.0	500	2.8
Nissan	Infiniti Q50 hybrid	Passanger Car	11.5	500	2.3
Nissan	Infiniti Q70 3.7L	Passanger Car	13.4	550	2.4
Nissan	Infiniti Q70 5.6L	Passanger Car	13.9	550	2.5
Nissan	Infiniti Q70 Hybrid	Passanger Car	10.5	550	1.9

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Nissan	Infiniti QX30	Crossover	9.0	650	1.4
Nissan	Armada	SUV	16.1	1050	1.5
Nissan	370Z Coupe/conv	Passanger Car	13.8	500	2.8
Nissan	Infinity QX50	Crossover	10.8	575	1.9
Nissan	Leaf S grade	Passanger Car	11.8	450	2.6
Nissan	Leaf SV/SL grade	Passanger Car	19.0	850	2.2
Nissan	Infiniti QX80 (dual evaporator)	Passanger Car	15.6	1050	1.5
Nissan	Altima 2.5L	Passanger Car	12.6	525	2.4
Nissan	Altima 3.5L	Passanger Car	12.4	525	2.4
Nissan	Frontier 2.5L	Pick-up	9.9	700	1.4
Nissan	Frontier 4L	Pick-up	9.9	700	1.4
Nissan	Maxima	Passanger Car	12.2	525	2.3
Nissan	Murano	SUV	9.7	550	1.8
Nissan	NV200	Other	10.0	450	2.2
Nissan	Rogue Hybrid	Crossover	6.4	500	1.3
Nissan	Sentra Turbo	Passanger Car	10.4	450	2.3
Nissan	Sentra	Passanger Car	9.9	450	2.2
Nissan	Titan	Pick-up	11.7	725	1.6
Nissan	Infiniti Q60 2L turbo	Passanger Car	14.0	500	2.8
Nissan	Infiniti Q60 3L turbo	Passanger Car	14.3	500	2.9
Nissan	Infiniti QX60	SUV	12.7	625	2.0
Nissan	GTR	Passanger Car	11.8	500	2.4
Nissan	NV200 NYC Taxi (dual evaporator)	Passanger Car	12.9	600	2.2
Nissan	Pathfinder (dual evaporator)	SUV	15.2	830	1.8
Nissan	Rogue Sport	Crossover	12.5	500	2.5
Nissan	Rogue	Crossover	10.4	500	2.1
Nissan	Versa Hatchback	Passanger Car	9.9	400	2.5
Nissan	Versa Sedan	Passanger Car	9.9	400	2.5
Subaru	BRZ	Passanger Car	15.5	390	4.0
Subaru	Crosstrek with automatically controlled A/C sy	Crossover	17.0	475	3.6
Subaru	Crosstrek with manually controlled A/C system	Crossover	14.1	475	3.0
Subaru	Forester	SUV	16.8	350	4.8
Subaru	Impreza with automatically controlled A/C syst	Passanger Car	17.0	475	3.6

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Subaru	Impreza with manually controlled A/C system	Passanger Car	14.1	475	3.0
Subaru	WRX (except STI)	Passanger Car	16.7	450	3.7
Subaru	WRX STI	Passanger Car	13.8	450	3.1
Toyota	Lexus IS 300 (2.0L)	Passanger Car	14.1	570	2.5
Toyota	Lexus IS 350/ IS 300 (3.5L)	Passanger Car	14.6	570	2.6
Toyota	Mirai	Passanger Car	7.6	470	1.6
Toyota	Prius Prime	Passanger Car	19.8	1060	1.9
Toyota	Prius	Passanger Car	7.1	470	1.5
Toyota	Lexus RC F	Passanger Car	14.4	570	2.5
Toyota	Lexus RC 300 2.0L	Passanger Car	14.1	570	2.5
Toyota	Lexus RC 350/RC 300 (3.5L)	Passanger Car	13.8	570	2.4
Toyota	Lexus RX 350	SUV	14.9	640	2.3
Toyota	Lexus RX 450h	SUV	5.4	500	1.1
Toyota	Sienna (dual evaporator)	Minivan	17.9	900	2.0
Toyota	Yaris iA	Passanger Car	20.7	420	4.9
Toyota	Toyota 86	Passanger Car	15.5	390	4.0
Toyota	Corolla iM	Passanger Car	14.1	450	3.1
Toyota	Avalon	Passanger Car	12.0	500	2.4
Toyota	Avalon hybrid	Passanger Car	5.8	500	1.2
Toyota	Prius c	Passanger Car	7.5	420	1.8
Toyota	ES 350	Passanger Car	15.1	500	3.0
Toyota	ES 300h	Passanger Car	8.2	500	1.6
Toyota	4Runner	SUV	15.4	550	2.8
Toyota	Corolla	Passanger Car	12.5	450	2.8
Toyota	Corolla le eco	Passanger Car	12.6	450	2.8
Volvo	S60, S60CC, S60Inscr., V60, V60CC	Passanger Car	10.1	800	1.3
Volvo	XC60 T5 FWD and AWD, T6 AWD, (5 seater	Passanger Car	12.2	700	1.7
Volvo	XC60 T8 and S90 T8 4/5 seater PHEV (single	SUV	6.5	725	0.9
Volvo	XC90 T8 PHEV (double evaporator)	SUV	6.5	775	0.8