

Mobile air conditioner leakage rates

Model year 2020 (Alphabetical list)

Make	Model (MY 2020)	Type of vehicle	Leakage rate (grams/year)	A/C charge size (grams)	Percentage loss per year
Ford	Super Duty 6.7L	Pickup	7.2	765	0.9
Ford	Super Duty 6.2L and 7.3L w/ 10R	Pickup	7.2	765	0.9
Ford	Super Duty 6.2Lw/6R or 5 SPM	Pickup	7.1	765	0.9
Ford	2L Bi Turbo	Pickup	7.5	822	0.9
Ford	2L Bi Turbo (dual evaporator)	Pickup	8.3	1500	0.6
Ford	2L Bi Turbo (dual evaporator)	Pickup	8.4	1500	0.6
Ford	3.5L TiVCT and 3.5L GTDI	Pickup	7.4	822	0.9
Ford	3.5L TiVCT V6 (dual evaporator)	Pickup	8.2	1389	0.6
Ford	3.5L TiVCT V6 (dual evaporator)	Pickup	8.3	1389	0.6
Ford	3.5L GTDI V6 (dual evaporator)	Pickup	8.2	1389	0.6
Ford	3.5L GTDI V6 (dual evaporator)	Pickup	8.3	1389	0.6
Ford	Continental 2L GTDI	Passenger car	8.6	680	1.3
Ford	Continental 2.7L/3L GTDI	Passenger car	8.2	567	1.5
Ford	Continental 3.7L	Passenger car	8.2	567	1.4
Ford	F-150 3.3 TiVCT	Pickup	7.0	880	0.8
Ford	F-150 3.5L GDTI	Pickup	7.2	880	0.8
Ford	F-150 5L TiVCT	Pickup	7.2	880	0.8
Ford	Shelby GT350	Passenger car	7.0	680	1.0
Ford	Mustang SVT	Passenger car	7.0	680	1.0
General Motors	Chevrolet Sonic	Passenger car	9.0	540	1.7
General Motors	Chevrolet Trax	SUV	9.0	570	1.6
General Motors	Buick Encore	SUV	9.0	570	1.6
General Motors	Buick Envision	SUV	8.1	600	1.4
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 MDX Hybrid	SUV	10.0	725	1.4
Mazda	Mazda2 1.5L	Passenger car	14.4	420	3.4
Mazda	Mazda3 2 and 2.5 L	Passenger car	11.5	490	2.3
Mazda	Mazda CX30 2 and 2.5 L	Passenger car	10.9	490	2.2
Mazda	Mazda CX5 2.5L	SUV	13.4	490	2.7
Mazda	Mazda CX5 2.5L T/C	SUV	13.0	490	2.7

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Mazda	Mazda 6 2.5 T/C and 2.2L Diesel	Passenger car	13.0	490	2.7
Mazda	Mazda CX3 2L	Passenger car	16.1	420	3.8
Mazda	Mazda MX5 2L	Passenger car	17.5	420	4.2
Mazda	Mazda CX5 2.2L Diesel	SUV	13.0	490	2.7
Mazda	Mazda 6 2.5L	Passenger car	13.4	490	2.7
Mazda	Mazda CX9 2.5L (dual evaporator)	SUV	17.6	750	2.3
Mercedes	A-class, CLA-class	Passenger car	8.1	690	1.2
Mercedes	CLA- class (dual evaporator)	Passenger car	9.2	1200	0.8
Mercedes	GLA-class	SUV	9.8	650	1.5
Mercedes	GLB-class	SUV	8.1	690	1.2
Mercedes	C-class, E-class, CLS-class, AMG GT 4 door coupe	Passenger car	8.0	630	1.3
Mercedes	GLC-class	SUV	8.0	630	1.3
Mercedes	GLC 350 e	SUV	6.7	670	1.0
Mercedes	EQC-Class	SUV	7.2	630	1.1
Mercedes	S class	Passenger car	8.2	660	1.2
Mercedes	S-class, Maybach S-class (dual evaporator)	Passenger car	8.8	770	1.1
Mercedes	S560e (dual evaporator)	Passenger car	6.8	710	1.0
Mercedes	S560e (triple)	Passenger car	7.3	820	0.9
Mercedes	GLE-class, GLS-class	Passenger car	7.3	680	1.1
Mercedes	GLS-class (dual evaporator)	SUV	8.1	980	0.8
Mercedes	SL-class	Passenger car	10.5	550	1.9
Mercedes	SLC-class	Passenger car	10.7	550	1.9
Mercedes	AMG GT-class	Passenger car	11.4	640	1.8
Mercedes	G-class	Passenger car	9.3	685	1.4
Nissan	Nissan 370Z Coupe/Conv	Passenger car	13.8	500	2.8
Nissan	Infiniti QX60	SUV	12.6	625	2.0
Nissan	Infiniti Q60 (3L turbo)	Passenger car	14.4	500	2.9
Nissan	GTR	Passenger car	11.8	500	2.4
Nissan	Infiniti Q50 (3L turbo)	Passenger car	14.4	500	2.9
Nissan	Rogue	Crossover	10.4	500	2.1
Nissan	Maxima	Passenger car	11.7	525	2.2
Nissan	Armada	SUV	15.5	1050	1.5
Nissan	Frontier (3.8L)	Pickup	9.9	700	1.4

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Nissan	Frontier (2.5L)	Pickup	9.9	700	1.4
Nissan	Infiniti QX80 (dual evaporator)	SUV	15.5	1050	1.5
Nissan	Leaf plus	Passenger car	11.8	450	2.6
Nissan	Leaf plus with hybrid heater system	Passenger car	19.0	850	2.2
Nissan	Leaf	Passenger car	11.8	450	2.6
Nissan	Leaf with hybrid heater system	Passenger car	19.0	850	2.2
Nissan	Pathfinder (dual evaporator)	SUV	15.2	880	1.7
Nissan	Murano	SUV	9.7	550	1.8
Nissan	Infinity QX50	Crossover	10.8	525	2.1
Nissan	NV2000 Cargo Van	Other	10.0	450	2.2
Subaru	Subaru WRX (Except STI)	Passenger car	16.7	450	3.7
Subaru	Subaru WRX STI	Passenger car	13.8	450	3.1
Subaru	BRZ	Passenger car	15.5	390	4.0
Subaru	Crosstrek Hybrid	Passenger car	26.8	790	3.4
Toyota	Lexus NX 300	SUV	14.3	500	2.9
Toyota	Lexus NX 300h	SUV	8.4	500	1.7
Toyota	Prius Prime	Passenger car	19.8	1060	1.9
Toyota	Sienna (double evaporator)	Minivan	17.9	900	2.0
Toyota	4Runner	SUV	15.5	550	2.8
Toyota	Lexus GX 460 (with Coolbox) (dual evaporator)	SUV	23.7	870	2.7
Toyota	Lexus GX 460 (without Coolbox) (dual evaporator)	SUV	20.6	800	2.6
Toyota	Lexus GX 460	SUV	13.9	550	2.5
Toyota	Land Cruiser Wagon (with Coolbox) (dual evaporator)	SUV	28.2	970	2.9
Toyota	Land Cruiser Wagon (without Coolbox) (dual evaporator)	SUV	22.2	920	2.4
Toyota	Lexus LX 570 (with Coolbox) (dual evaporator)	SUV	28.2	970	2.9
Toyota	Lexus LX 570 (without Coolbox) (dual evaporator)	SUV	22.2	920	2.4
Toyota	MIRAI	Passenger car	7.6	470	1.6
Volvo	S60, S90, V60	Passenger car	6.0	725	0.8
Volvo	XC60	SUV	6.0	725	0.8
Volvo	XC90	SUV	6.0	775	0.8
Volvo	XC90 (dual evaporator)	SUV	7.0	1050	0.7
Volvo	Polestar 1	Passenger car	6.0	725	0.8