



2022 ANNUAL



BUYING GUIDE

2,000+
RATINGS
& REVIEWS

AUTOS • New & Used Cars, SUVs, Trucks • Tires • **HOME** • Refrigerators • Ranges • Dishwashers
Washing Machines & Dryers • Vacuums • Mattresses • Air Purifiers • Grills • Lawn Mowers
TECH • TVs • Smartphones • Desktop Computers • Laptops • Printers • WiFi Routers • Headphones

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FROM THE EDITORS



Buying Advice at Your Fingertips

Welcome to the 2022 Annual Buying Guide—now with a bright new design and bigger size. Though it might look a little different, you'll find this special edition is still packed with all the advice you need to be a smarter, better informed shopper.

On the pages that follow, you'll find highlights from CR's exclusive buying advice and more than 2,000 ratings and reviews for 19 essential home and tech products, plus new and used cars and tires. Our team of experts—engineers, market analysts, reporters, researchers,

and more—has worked to make this an invaluable re-source for squeezing the most value from every dollar you spend, no matter what you're shopping for. You can trust our advice because we're independent and unbiased: We buy all of the products we test, and we don't accept any ads—so we can tell it like it is.

So go forth and shop with confidence, knowing that CR is always on your side, protecting your interests, your safety, and your budget.

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Consumer Reports

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How to Use This Guide

On the pages that follow—now in a larger size and with color images—you'll find everything you need to make informed shopping decisions.

Start with the buying advice in the Quick Guides to help you decide what you want from a product. Then go to the ratings charts to get the details on performance, reliability, owner satisfaction, and key features.

For some product categories, you'll find full ratings that include every currently available model we tested. For others, the ratings charts show a selection of models, including those recommended for most people and models designated as CR Best Buys.

To see full ratings, readers with a Digital or All Access membership can go to the CR.org address listed for

every category (for example, CR.org/refrigerators).

Our experts checked that the products in this guide were available at press time. But depending on how long after publication you use this issue, you might find a rating for a product that's no longer available. Or you might not find a rating for a newer model because it hadn't been tested as of publication.

CR'S RATINGS

Overall Score combines the results of performance tests in our labs with the data we collect through surveys of CR members to give you a holistic picture of product quality. To arrive at this number, Consumer Reports evaluates a variety of factors—performance, predicted reliability, and owner satisfaction. We then incorporate data from all these assessments into one Overall Score.

Predicted Reliability is our forecast of the likelihood that newly purchased models from a given brand, not under service contract, will have a problem within a given time frame, based on CR members' reports in our surveys. Owner Satisfaction—also from our surveys—is based on the proportion of CR members who are extremely likely to recommend the product they bought.

POOR → EXCELLENT

RECOMMENDED CR BEST BUY GREEN CHOICE

Brand • Model	Overall Score	Price	Survey Results	Test Results	Features
TOP-LOAD WASHERS					
LG WT7000CW	74	\$660	—	—	4.3 70
LG WT7305CW	72	\$900	—	—	4.8 70
Samsung WA44A3205AW	67	\$750	—	—	4.6 70
Samsung WA44A3205AW	67	\$650	—	—	4.4 70
Maytag MYW4230HC	66	\$1,340	—	—	5.2 55
Speed Queen TC5000WN (JANES22PTW01)	64	\$1,300	—	—	3.2 55
Maytag MYW7230HW	64	\$900	—	—	5.2 55
GE GTW465ASNVW	63	\$880	—	—	4.5 35
Maytag MYW4230HW	63	\$810	—	—	4.7 65
Maytag MYW4230HW	63	\$850	—	—	4.7 65
Midea MLV45N1BW	63	\$650	—	—	4.5 95
COMPACT WASHERS					
Miele W10H60WCS	81	\$1,500	—	—	2.3 105
Miele W10H60WCS	81	\$1,800	—	—	2.3 105
Miele W10H60WCS	81	\$2,000	—	—	2.3 105
Samsung WW22N65SQX	81	\$1,300	—	—	2.2 80
LG WM1455HBA	81	\$1,100	—	—	2.6 30
Samsung WW22N65SQX	81	\$900	—	—	2.2 100
Electrolux EFL520TWW	81	\$900	—	—	2.4 110
Bosch 800 Series WAT28A0UC	76	\$1,450	—	—	2.2 80
Bosch 500 Series WAT28A0UC	76	\$1,285	—	—	2.2 80
Bosch 300 Series WAT28A0UC	76	\$1,100	—	—	2.2 80
Haier GFW10555NWW	75	\$900	—	—	2.4 100
GE GFW14855MWW	71	\$800	—	—	2.4 95
Fisher & Paykel WQ424F1	67	\$950	—	—	2.4 75
Fisher & Paykel WQ424F1	67	\$1,200	—	—	2.4 75
LG WM1326HW	65	\$1,000	—	—	2.3 75

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. Predicted reliability estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. Owner satisfaction reflects the proportion of CR members who are extremely likely to recommend the product they bought.

of CR members who are extremely likely to recommend the product they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), this model receives the weighted category average scores. Washing performance reflects the degree of stain removal.

fabric using the most aggressive normal cycle. Energy efficiency is based on the energy needed to heat the water using a warm wash and cold rinse, to run the washer, and to dry the remaining moisture left at the end of a cycle. Water efficiency is based on total water used when washing our 10-pound test load for compact models that wash lower

scores for GreenChairs are more likely to have wear on the upholstery, causing wear and tear. Noise reflects panelist judgments during the fill, wash, drain, and spin cycles. Vibration reflects usage on a suspended wooden floor. Price is approximate retail.

Recommended products are top-scoring models that do not have brand reliability problems.

CR Best Buys are recommended products that combine impressive performance with an attractive price.

Green Choice designates models with a lower environmental impact.

Test Results indicate how well the product performed in our exhaustive in-house tests.

Features show the details about a given product, including dimensions and more.

HOME

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Air Purifiers

The most effective portable air purifiers we tested were made for rooms 350 square feet or larger. These models cleared the air quickly of dust, smoke, and pollen at their high and low speeds.



What to Look For

- Most portable air purifiers use a fan to suck in particle-rich air for filtration. Fanless models are quieter, but those we tested worked poorly.
- A high efficiency particulate air (HEPA) filter—a very fine mesh filter able to capture tiny particles, such as smoke.
- A washable—and reusable—prefilter collects large particles before they reach the HEPA filter, possibly extending its life.
- Air purifiers with filter indicator lights let you know when to replace the filter.
- Energy Star certified models can save you money on utility bills compared to standard models.

What to Skip

- Models with electrostatic precipitators or ionizer technology could produce ozone, a lung irritant.

What You'll Pay

Most cost from under \$100 to more than \$1,000; plus filters and the cost of energy for 24/7 operation.

BUYING ADVICE

Many portable air purifiers are certified for a clean-air delivery rate (CADR), their cleaning speed. We judge a CADR of 240 and up excellent and below 60 poor.

For more buying advice, go to [CR.org/air-purifiers](https://www.consumerreports.org/air-purifiers).

Tested products in performance order.

Brand + Model		Overall Score	Price	Test Results					Features								
				Dust, pollen, smoke removal (low)	Dust, pollen, smoke removal (high)	Noise (low speed)	Noise (high speed)	Ease of use	Room size	Annual cost (\$)	Product type	Weight (lb.)	Energy star	Number of fan speeds	Filter-life indicator	Remote control	Auto fan speed
✔	Blueair Classic 605	88	\$830	⬆	⬆	⬆	⬇	⬆	L	261	HEPA/Carbon	30	•	3	•	App	Opt.
✔	Blueair Blue Pure 211+	85	\$300	⬆	⬆	⬆	⬇	⬆	L	199	HEPA	16	•	3	•		
✔	Blueair HealthProtect 7470i	77	\$640	⬆	⬆	⬆	⬆	⬆	L	141	HEPA/Carbon	28	•	3	•		•
✔	Blueair Blue Pure 211+ Auto	77	\$340	⬆	⬆	⬆	⬇	⬆	L	167	HEPA/Carbon	15	•	3	•		•
✔	Samsung Cube	76	\$550	⬆	⬆	⬆	⬇	⬆	L	107	HEPA/Carbon	27	•	3	•	App	•
✔	Honeywell InSight HPA5300B	74	\$290	⬆	⬆	⬆	⬆	⬆	L	200	Multiple pleated filters	20		4	•		•
✔	Alen BreatheSmart Classic	72	\$650	⬆	⬆	⬆	⬆	⬆	L	202	HEPA/Ion	22		4	•		•
✔	Sharp FXJ80UW	69	\$540	⬆	⬆	⬆	⬇	⬆	L	140	HEPA/Carbon/Plasmacluster	24	•	3	•		•
✔	Honeywell HPA300	68	\$250	⬆	⬆	⬆	⬇	⬆	L	208	HEPA/Carbon	18	•	4	•		
✔	LivePure Bali LP550TH-W	67	\$310	⬆	⬆	⬆	⬇	⬆	L	284	HEPA/Carbon	26	•	4	•		
✔	IQAir HealthPro Plus	66	\$900	⬆	⬆	⬆	⬇	⬆	L	247	HEPA/Carbon/Pleated	34		6	•	•	
✔	GermGuardian AC5900WCA	64	\$230	⬆	⬆	⬆	⬇	⬆	L	246	HEPA/Carbon/UV	14	•	3	•		
✔	Honeywell AirGenius 5 HFD-320	63	\$215	⬆	⬆	⬆	⬆	⬆	M	78	Carbon/iFD filter	13	•	5	•		
✔	Whynter EcoPure AFR-425-SW	62	\$240	⬆	⬆	⬆	⬆	⬆	L	159	HEPA/Carbon/UV/Photocatalyst	18		6	•	•	•
✔	Brondell O2+ Revive	61	\$430	⬆	⬆	⬆	⬆	⬆	L	249	HEPA/Carbon	20		5	•		•

Brand + Model		Overall Score	Price	Test Results					Features								
				Dust, pollen, smoke removal (low)	Dust, pollen, smoke removal (high)	Noise (low speed)	Noise (high speed)	Ease of use	Room size	Annual cost (\$)	Product type	Weight (lb.)	Energy star	Number of fan speeds	Filter-life indicator	Remote control	Auto fan speed
Winix 5300-2		59	\$165	Down	Up	Up	Up	Up	L	93	HEPA/Carbon/Plasma	16	Star	4	Star		Star
Coway Airmega 300		59	\$550	Down	Up	Up	Down	Up	L	113	Carbon/Pleated	21	Star	3	Star		Star
Honeywell Air Genius 4 HFD310		59	\$205	Down	Up	Up	Down	Up	M	83	Carbon/IfD/ion	13	Star	4	Star		
Honeywell HPA250B		58	\$245	Down	Up	Down	Down	Up	L	145	HEPA/Carbon	14	Star	4	Star	Star	Star
Bissell air320		56	\$330	Down	Up	Down	Down	Up	L	94	HEPA/Carbon	19		5	Star		Star
Coway AP-1512HH Mighty		56	\$200	Down	Up	Up	Down	Up	L	90	HEPA/Carbon/Ion	13	Star	3	Star		Star
Coway Airmega 200M		55	\$240	Down	Up	Up	Down	Up	L	111	HEPA/Carbon	13	Star	3	Star		Star
Winix C535		55	\$140	Down	Up	Up	Down	Up	L	76	HEPA/Carbon/Plasma	14	Star	4	Star	Star	Star
Blueair Classic 280i		55	\$430	Down	Up	Down	Down	Down	M	399	Pleated filter/"Smokestop" filter	23		3	Star		Star
Airdog X5		53	\$600	Down	Up	Up	Down	Up	M	63	Electrostatic/Catalytic	25		4	Star	Star	Star
3M Filtrete Elite FAP-T03-A2 (Lowes)		53	\$220	Down	Up	Down	Down	Up	L	209	HEPA	20		4	Star		
3M Filtrete FAP-C03-A2 (Lowes)		52	\$160	Down	Up	Up	Down	Up	M	116	HEPA	14	Star	3	Star		
GermGuardian AC9200WCA		52	\$310	Down	Up	Up	Down	Up	M	227	HEPA/Carbon/UV/Ion	23	Star	3	Star		
Febreze FHT190W		51	\$90	Down	Up	Down	Down	Up	M	98	HEPA/Carbon	9	Star	3	Star		
Eureka NEA120		50	\$90	Down	Down	Down	Down	Up	M	108	HEPA/Carbon/UV	13	Star	3	Star		
Boneco P400		50	\$300	Down	Down	Up	Down	Up	M	163	HEPA/Carbon	17	Star	5	Star		
One Products by Promounts One Power One SMART OSAP01		50	\$200	Down	Up	Up	Down	Up	M	153	HEPA/Carbon	11		3	Star		Star
Rabbit Air BioGS SPA-550AW		49	\$400	Down	Down	Up	Down	Up	M	67	HEPA/Carbon/Ion	17	Star	5	Star	Star	Star
Levoit Pet Care Core P350-RAC		49	\$120	Down	Down	Up	Down	Up	M	95	HEPA/Carbon	7		3	Star		
3M Filtrete FAP-T02WA-G1		48	\$134	Down	Up	Down	Down	Up	M	252	HEPA	14		4	Star		
Molekule Air Pro		47	\$1,050	Down	Up	Up	Down	Down	L	378	Pleated paper/PECO filter	23		6	Star	App	Star
HoMedics TotalClean AP-T40		47	\$250	Down	Down	Down	Down	Up	M	153	HEPA/Carbon	11	Star	3	Star		Star
Therapure TPP240		46	\$135	Down	Down	Up	Down	Up	M	86	HEPA-type/UV/Ion	10	Star	3	Star		
Rowenta PU6020		45	\$430	Down	Down	Up	Down	Up	M	107	HEPA/Carbon/NanoCaptur	17	Star	4	Star		
Allergy Pro AP200		45	\$130	Down	Down	Down	Down	Up	M	89	HEPA	9	Star	3			
Bionaire BAP536UV		44	\$100	Down	Down	Up	Down	Up	M	83	HEPA/UV/Ion	11	Star	3			
SPT Magic Clean AC-3000i		44	\$75	Down	Down	Up	Down	Up	M	151	HEPA/Carbon/Ion	10		2	Star		
Vornado AC1-0039-43		44	\$100	Down	Down	Down	Down	Up	M	123	HEPA/Carbon	14		4	Star		Star
Honeywell InSight HPA5100B		44	\$160	Down	Down	Up	Down	Up	M	59	HEPA/Carbon	10		4	Star		
Whirlpool WPT80B		44	\$105	Down	Down	Down	Down	Up	M	252	HEPA/Carbon	9	Star	3	Star		

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests. Dust/pollen/smoke removal (high) indicates how well it removes particles at its highest speed.

Dust/pollen/smoke removal (low) evaluates its ability to remove particles at a lower speed (selected based on noise levels). Noise is measured using a decibel meter from 4 feet away

at both high and low speeds. Ease of use reflects how intuitive and easy the controls are to use, carrying ease, the ability to remove the filter, and filter life indicator. Annual cost includes

filter replacements and the energy required to run the purifier 24 hours a day for an entire year. Price is approximate retail.



Clothes Dryers

Electric dryers are the bigger sellers, though decades of testing has revealed that gas and electric dryers perform similarly. For ratings of gas dryers, see [CR.org/dryers](https://www.consumerreports.org/dryers). Whichever fuel you use, keep in mind that larger capacities let you dry more in one load.



What to Look For

- Moisture sensors detect the laundry's dampness and shut off the appliance when clothes are dry, cutting down on energy costs. This is easier on fabrics, too.
- Auto-dry cycles provide settings of less dry to more dry for damp ironing, and points in between.

- An extended-tumble setting without heat helps prevent wrinkles when you can't remove the load immediately.

What to Skip

- Specialty cycles up the price. A choice of heat level, timed dry, and auto-dry, along with a few fabric types, should do.

What You'll Pay

Prices vary from \$350 to \$2,000, depending on type, capacity, and features. Gas dryers cost roughly \$50 to \$150 more than comparable electric models, but the likely savings in fuel costs should more than make up for the difference.

BUYING ADVICE

If you intend to install the dryer near a bedroom, look for one that scored Very Good or Excellent in our tests for noise.

For more buying advice, go to [CR.org/dryers](https://www.consumerreports.org/dryers).

Tested products in performance order.

Brand + Model	Overall Score	Price	Survey Results		Test Results			Features										
			Predicted reliability	Owner satisfaction	Drying performance	Convenience	Noise	Claimed capacity (cu. ft.)	Dimensions (HxWxD, in.)	Energy star	Stainless steel drum	Drying rack	Custom programs	Steam option	Moisture sensor	End-of-cycle signal	Extended tumble	WiFi
✓ LG DLEX9000V	91	\$1,800	✓	✓	✓	✓	✓	9	41 x 29 x 34		•		•	•	•	•	•	•
✓ LG DLE7300WE	90	\$900	✓	✓	✓	✓	✓	7.3	44 x 27 x 29	•			•		•	•	•	•
✓ LG DLEX4500B	89	\$1,250	✓	✓	✓	✓	✓	7.4	39 x 27 x 31	•	•			•	•	•	•	•
💰 LG DLE7100W	88	\$800	✓	✓	✓	✓	✓	7.3	44 x 27 x 29	•					•	•	•	
✓ LG DLEX8100V	88	\$1,100	✓	✓	✓	✓	✓	9	41 x 29 x 32				•	•	•	•	•	
✓ LG DLEX7900BE	88	\$1,100	✓	✓	✓	✓	✓	7.3	44 x 27 x 30	•	•			•	•	•	•	•
LG Signature DLEX9500K	85	\$1,975	✓	✓	✓	✓	✓	9	41 x 29 x 33		•		•	•	•	•	•	•
Kenmore 81462	83	\$745	✓	⚠	✓	✓	✓	7.4	39 x 27 x 30	•			•	•	•	•	•	•
Kenmore 81562	81	\$850	✓	⚠	✓	✓	✓	7.4	39 x 27 x 30	•	•		•	•	•	•	•	•
Samsung DVE50A8600E	80	\$1,170	⚠	⚠	✓	⚠	✓	7.5	39 x 27 x 30	•	•	•	•	•	•	•	•	•
Samsung DVE50T5300C	78	\$855	⚠	⚠	✓	✓	✓	7.4	45 x 27 x 30						•	•	•	
Samsung DVE45T6000W	78	\$720	⚠	⚠	✓	✓	✓	7.5	39 x 27 x 30						•	•	•	
Electrolux EFME427UIW	77	\$750	⚠	⚠	✓	⚠	✓	8	38 x 27 x 32	•				•	•	•	•	
GE GTD84ECSNWS	77	\$855	⚠	⚠	✓	✓	✓	7.4	46 x 27 x 31	•			•	•	•	•	•	•
Samsung DVE45R6300W	76	\$775	⚠	⚠	✓	✓	✓	7.5	39 x 27 x 31	•				•	•	•	•	•
Maytag MEDX655DW	76	\$800	✓	✓	✓	✓	⚠	7	43 x 30 x 27						•	•	•	

Brand + Model	Overall Score	Price	Survey Results		Test Results			Features											
			Predicted reliability	Owner satisfaction	Drying performance	Convenience	Noise	Claimed capacity (cu. ft.)	Dimensions (HxWxD, in.)	Energy star	Stainless steel drum	Drying rack	Custom programs	Steam option	Moisture sensor	End-of-cycle signal	Extended tumble	WiFi	
GE GFD85ESPNRS	76	\$1,080	🟡	🟡	🟢	🟢	🟢	7.8	40 x 28 x 32	●	●			●	●	●	●	●	
Samsung FlexDry DVE55M9600W	76	\$1,370	🟡	🟡	🟢	🟢	🟢	7.5	47 x 27 x 32	●	●			●	●	●	●	●	
Samsung FlexDry DVE60M9900V	76	\$1,400	🟡	🟡	🟢	🟢	🟢	7.5	47 x 27 x 32	●	●	●		●	●	●	●	●	
Amana NED5800HW	75	\$550	🟢	🟡	🟢	🟢	🟢	7.4	39 x 27 x 30	●					●	●	●		
Speed Queen DR7000WE (ADEE9RGS175TW01)	75	\$1,100	🟢	🟢	🟡	🟢	🟢	7	43 x 27 x 28				●		●	●	●		
Electrolux EFME627UTT	75	\$1,080	🟡	🟡	🟢	🟢	🟢	8	38 x 27 x 31	●	●			●	●	●	●		
GE GTD72EBSNWS	75	\$765	🟡	🟡	🟢	🟢	🟢	7.4	44 x 27 x 31	●			●		●	●	●		
Whirlpool WED9620HC	74	\$1,415	🟢	🟡	🟢	🟢	🟢	7.4	38 x 27 x 32	●	●	●		●	●	●	●	●	
Samsung DVE45R6100W	74	\$700	🟡	🟡	🟢	🟡	🟢	7.5	39 x 27 x 32					●	●	●	●		
Maytag MED8630HC	74	\$1,280	🟢	🟢	🟢	🟢	🟢	7.3	39 x 27 x 31	●	●	●	●	●	●	●	●	●	
Fisher & Paykel AeroCare DE7027P2	74	\$1,000	🔴	🟡	🟢	🟢	🟢	7	42 x 27 x 28		●	●	●	●	●		●		
Samsung DVE50R5400W	74	\$750	🟡	🟡	🟢	🟢	🟡	7.4	45 x 27 x 31					●	●	●	●		
Midea MLE45N1BWW	74	\$650	—	—	🟢	🟡	🟢	7.5	46 x 27 x 33		●		●		●	●			
Samsung DVE45T3400V	74	\$680	🟡	🟡	🟢	🟡	🟡	7.4	44 x 27 x 29						●	●	●	●	
GE GTD65EBSJWS	74	\$800	🟡	🟡	🟢	🟢	🟢	7.4	44 x 27 x 31	●			●		●	●	●	●	
Samsung DV40J3000EW	73	\$580	🟡	🟡	🟢	🟡	🟡	7.2	44 x 27 x 30						●	●	●		
Maytag MED7230HW	72	\$900	🟢	🟢	🟢	🟢	🟢	7.4	43 x 27 x 30	●				●	●	●	●	●	
Samsung DVE45N5300V	72	\$720	🟡	🟡	🟢	🟡	🟡	7.5	39 x 27 x 32				●	●	●	●	●		
Whirlpool WED5000DW	71	\$710	🟢	🟡	🟢	🟢	🟡	7	43 x 29 x 27						●	●	●		
Whirlpool WED7120HW	71	\$900	🟢	🟡	🟢	🟢	🟢	7.4	43 x 27 x 30	●				●	●	●	●	●	
Maytag MEDC465HW	71	\$630	🟢	🟢	🟢	🟢	🔴	7	43 x 29 x 28						●	●	●		
Whirlpool WED49STBW	71	\$720	🟢	🟡	🟢	🟡	🟡	7	43 x 29 x 29					●	●	●	●		
Kenmore 61652	71	\$900	🟢	🟡	🟢	🟢	🟢	7.4	43 x 27 x 30	●				●	●	●	●		
Maytag MED8230HC	69	\$1,125	🟢	🟢	🟡	🟢	🟢	8.8	43 x 29 x 32	●		●		●	●	●	●	●	
Maytag MED6630HW	69	\$1,000	🟢	🟢	🟢	🟢	🟡	7.3	39 x 27 x 31	●				●	●	●	●		
Samsung DVE41A3000W	69	\$540	🟡	🟡	🟢	🟡	🟡	7.2	44 x 27 x 30						●	●	●		

HOW WE TEST: Overall Score combines performance test results with survey data for predicted reliability and owner satisfaction. Predicted reliability estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. Owner satisfaction

reflects the proportion of CR members who are extremely likely to recommend the clothes dryer they bought. Models with a dash (—) indicate that we have insufficient data for the brand, and these models get the category average score. Drying performance combines performance on three types of laundry

loads of different sizes and fabric mixes: A 12-lb. load, predominantly cotton (6-lb. mixed loads for compact models); an 8-lb. load of cotton/polyester-blend clothing; and a 3-lb. load of synthetic delicates, such as women's pajamas, slips, and underwear. Convenience is judged on controls and ergonomics, such as

ease of loading and unloading, servicing the lint filter. Noise level is determined by a panel of judges who listen while the machines dry an 8-pound load, judging both sound quality and volume. Price is approximate retail.



Dishwashers

New dishwashers use far less energy and water than they did a decade ago, though cycle times can now exceed three hours. The models we recommend aced our washing tests and are relatively quiet.



What to Look For

- Soil sensors gauge how dirty the load is and determine the right amount of time and water needed to get everything clean, improving efficiency.
- An adjustable upper rack allows for flexibility when loading dishes.
- A rinse and hold option

can help prevent soil from setting and keep odors under control while you wait for a full load.

What to Skip

- Drawer models, which are more expensive and tend to use more energy and water than standard models.

What You'll Pay

A dishwasher with special wash zones, an LED-lit tub, digital displays, and special grime-fighting cycles can cost \$1,000 or more. For models with fewer features, sparkling performance starts at around \$600.

BUYING ADVICE

Generally, the three basic wash cycles—light, normal, and heavy—suffice for most dishwashing needs, even for removing baked-on food.

For more buying advice, go to [CR.org/dishwashers](https://www.consumerreports.org/dishwashers)

Tested products in performance order.

Brand + Model	Overall Score	Price	Survey Results		Test Results				Features									
			Predicted reliability	Owner satisfaction	Washing	Drying	Energy use	Noise	Cycle time (min.)	Ample flatware slots	Adjustable upper rack	Adjustable tines	Displays remaining time	Interior material	Requires custom door panel	Self-cleaning filter	WiFi	
24-INCH DISHWASHERS																		
💰 Bosch Ascenta SHX3AR75UC	89	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	95	●	●	●		Stainless steel and Plastic				
✓ Bosch 300 DLX Series SHS863WD5N	85	\$770	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	150	●	●	●	●	Stainless steel				
✓ Bosch 100 Series SHXM4AY55N	84	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	150	●	●	●	●	Stainless steel and Plastic				
✓ Thermador DWHD660WFP	84	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	155	●	●	●	●	Stainless steel			●	
✓ Thermador DWHD770WFM	83	\$2,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	150	●	●	●	●	Stainless steel			●	
✓ Bosch 800 Series SHXM88Z75N	82	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	150	●	●	●	●	Stainless steel			●	
✓ Bosch 800 Series SHPM78Z55N	82	\$1,150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	150	●	●	●	●	Stainless steel			●	
✓ Bosch Benchmark SHX88PZ55N	82	\$1,600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	150	●	●	●	●	Stainless steel			●	
✓ Miele Classic Plus G4977SCVISF	82	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	150	●	●	●		Stainless steel				
✓ Bosch 300 Series SHEM63W55N	82	\$850	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	155	●	●	●	●	Stainless steel				
Ikea Essentiell (80.655.85)	79	\$600	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	135		●	●	●	Plastic		●		
Kenmore 14573	79	\$800	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	145		●		●	Stainless steel				
Bosch 800 Series SHXM98W75N	78	\$1,250	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	160	●	●	●	●	Stainless steel				

Brand + Model	Overall Score	Price	Survey Results		Test Results				Features								
			Predicted reliability	Owner satisfaction	Washing	Drying	Energy use	Noise	Cycle time (min.)	Ample flatware slots	Adjustable upper rack	Adjustable tines	Displays remaining time	Interior material	Requires custom door panel	Self-cleaning filter	WiFi
Kenmore 14523	77	\$800	🟡	🟡	🟢	🟢	🟢	🟢	150		●	●		Stainless steel			
Bertazzoni DW24XT	76	\$1,100	—	—	🟢	🟡	🟢	🟢	135	●	●	●	●	Stainless steel			
Kenmore Elite 14793	76	\$1,100	🟡	🟡	🟢	🟡	🟢	🟢	145	●	●	●	●	Stainless steel			
Whirlpool WDF520PADM	75	\$580	🟢	🟡	🟢	🟡	🟢	🟡	115	●				Plastic			
Café CDT845P2NS1	74	\$1,100	🟡	🟡	🟢	🟡	🟢	🟢	155	●	●	●		Stainless steel			●
Thor Kitchen HDW2401SS	74	\$830	—	—	🟢	🟡	🟢	🟢	130	●	●	●	●	Stainless steel			
Kenmore 13223	74	\$650	🟡	🟡	🟢	🟢	🟢	🟡	160		●		●	Stainless steel			
KitchenAid KDPM604KPS	74	\$1,200	🟡	🟢	🟢	🟢	🟢	🟢	145	●	●		●	Stainless steel		●	
Kucht K6502D	74	\$900	—	—	🟢	🟡	🟢	🟢	140	●	●	●	●	Stainless steel			
Ikea SPOLAD [80422355]	73	\$900	🟢	🟡	🟢	🟢	🟢	🟢	145	●	●	●	●	Stainless steel			
LG LDT7808BM	72	\$1,150	🟡	🟡	🟢	🟢	🟢	🟢	145	●	●	●	●	Stainless steel			●
Whirlpool WDT730PAHZ	72	\$700	🟢	🟡	🟢	🟢	🟢	🟢	140	●	●	●	●	Stainless steel and Plastic			
Whirlpool WDTA50SAKZ	71	\$800	🟢	🟡	🟢	🟡	🟢	🟢	150	●	●	●	●	Stainless steel			
Samsung DW80R7061UG	71	\$850	🔴	🔴	🟢	🟡	🟢	🟢	120	●	●	●	●	Stainless steel			
Maytag MDB4949SHZ	71	\$675	🟡	🟡	🟢	🟢	🟢	🟢	155	●				Stainless steel		●	
Whirlpool WDT970SAHZ	70	\$800	🟢	🟡	🟢	🟢	🟢	🟢	145	●	●	●	●	Stainless steel			
Whirlpool WDF330PAHS	70	\$530	🟢	🟡	🟢	🟡	🟢	🟡	110					Plastic			
Samsung DW80R9950US	69	\$1,015	🔴	🔴	🟢	🟢	🟢	🟢	130	●	●	●	●	Stainless steel			●
GE GDP615HSMSS	69	\$640	🟡	🔴	🟢	🟡	🟢	🟡	155	●	●		●	Stainless steel and Plastic			
GE Profile PDT715SYNFS	69	\$920	🟡	🔴	🟢	🟡	🟢	🟡	155	●	●		●	Stainless steel and Plastic			
Midea MDT24H3AST	69	\$600	—	—	🟢	🟡	🟢	🟢	145	●	●	●	●	Stainless steel			
Kenmore Elite 14815	68	\$1,300	🟡	🟡	🟢	🔴	🟢	🟢	120	●	●	●	●	Stainless steel		●	
Ikea LAGAN [00385804]	67	\$300	🟢	🟡	🟢	🟢	🟢	🟡	160					Plastic			
Maytag MDB8959SKZ	67	\$900	🟡	🟡	🟢	🟡	🟢	🟢	145	●	●	●	●	Stainless steel		●	
Maytag MDB4949SKZ	66	\$750	🟡	🟡	🟢	🟢	🟢	🟡	135	●			●	Stainless steel		●	
LG Signature LUDP8997SN	66	\$1,700	🟡	🟡	🟢	🟡	🟢	🟢	130	●	●	●	●	Stainless steel			
LG LDP6797ST	66	\$850	🟡	🟡	🟢	🟡	🟢	🟢	130	●	●	●	●	Stainless steel			
KitchenAid KDFE204KPS	66	\$950	🟡	🟢	🟢	🔴	🟢	🟢	150	●	●			Stainless steel			
Samsung DW80R5060US	65	\$500	🔴	🔴	🟢	🟢	🟢	🟢	130	●	●	●	●	Stainless steel		●	
Whirlpool WDF130PAHW	65	\$400	🟢	🟡	🟢	🟢	🟢	🟡	160					Plastic			

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of CR

members who are extremely likely to recommend the dishwasher they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), the model gets weighted category average scores for reliability and satisfaction. **Washing** is assessed by running the Normal or

equivalent cycle to clean a full load of dishes with baked-on food. **Drying** performance is our assessment of how thoroughly a model dries plastic cups, the most stubborn in any load. **Energy use** is energy and water use for our test cycle. A panel of testers judge **Noise** levels by listening to each machine through its entire cycle. **Cycle**

time (min.), rounded to the nearest 5 minutes, is based on running the Normal or equivalent cycle to clean a full load. Under **Features**, in **Interior materials**, SS= stainless steel, P=plastic. **Price** is approximate retail.



Gas Grills

You don't have to spend a fortune to get a grill that will consistently deliver great-tasting food. In fact, many midpriced grills now have side burners and other helpful perks once found exclusively on high-end models.



What to Look For

- Burners made of high-quality stainless steel, cast iron, or cast brass, which usually carry a warranty of 10 years or longer.
- Stainless-steel or coated cast-iron grates for sturdiness and rust-resistance.

- A battery-powered electronic igniter.

What to Skip

- Buying by Btu. This measure alone doesn't guarantee faster pre-heating or better searing and cooking.

What You'll Pay

Plan on \$300 to \$700 for a grill that can handle most of your cooking needs. Several midsized grills that cost less than \$600 outperformed models that cost hundreds of dollars more.

BUYING ADVICE

You might not need as big a grill as you think: We found large grills can typically fit 28 or more 4-inch burgers at once. Midsized models fit 18 to 28.

For more buying advice, go to [CR.org/gas-grills](https://www.consumerreports.org/gas-grills)

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results						Features					
				Predicted reliability	Owner satisfaction	Evenness performance	Preheat performance	Temperature range	Indirect cooking	Convenience	Sturdiness	Stainless steel grates	Coated-cast-iron grates	Measured cooking grid area (sq. in.)	Exterior dimensions (HxWxD)	Long-warranty burners	Side burner
MIDSIZE GAS GRILLS (ROOM FOR 18 TO 28 BURGERS)																	
🔗	Even Embers GAS8560AS	78	\$395	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	●		480	48x55x22	●	●
✓	Weber Genesis II E-310	78	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	485	46x55x28	●	
✓	Weber Genesis II S-335 61006001	77	\$1,050	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	●		485	47x57x29	●	●
✓	Weber Spirit Smart Series SX-315 46502401	76	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	395	46x51x25	●	
✓	Weber Genesis II E-330 61012001	76	\$900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	485	47x57x29	●	●
✓	Napoleon Rogue 525 RSE525SIBPSS	76	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	●		440	48x57x25	●	●
✓	Nexgrill 720-1046 (Home Depot)	76	\$400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	485	47x65x24		●
✓	Weber Genesis II SE-335 61016201	76	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	●		485	47x57x29	●	●
✓	Weber Summit S-470	76	\$2,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	●		445	51x66x27	●	●
✓	Even Embers GAS7540AS	74	\$320	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	435	48x54x23	●	●
✓	Monument Grills 25392	74	\$350	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	430	46x54x22		●
✓	3 Embers GAS9675AF	74	\$850	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	●		520	49x60x24	●	●
✓	Nexgrill Deluxe 720-0896B (Home Depot)	73	\$500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	505	48x60x23		●
✓	Nexgrill 720-0896C (Home Depot)	73	\$660	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️		●	515	48x60x25		●

✔	Napoleon Prestige P500RSIB	72	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	490	50x64x27	●	●
✔	Weber Spirit SP-335 46802101	72	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	395	46x49x26	●	●
✔	Even Embers GAS1466AS	72	\$300	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	405	48x52x23	●	●
✔	Napoleon LEX485RSIB	72	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	435	50x62x27	●	●
✔	Monument Grills 24367	71	\$395	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	460	46x55x22	●	●
✔	RevoAce GBC1748WS (Walmart)	71	\$160	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	425	46x55x24	●	●
✔	3 Embers GAS7480BS	71	\$785	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	480	49x58x24	●	●
✔	Member's Mark GAS0565ASO (Sam's club)	71	\$450	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	435	48x54x23	●	●
✔	Napoleon Rogue XT RXT425SIBPK-1	71	\$850	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	420	48x51x25	●	●
✔	Nexgrill 720-0830H (Home Depot)	71	\$270	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	405	47x51x24	●	●
	Napoleon Rogue R425SBPK	70	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	410	47x50x26	●	●
	Megamaster 720-0983	70	\$240	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	480	45x59x24	●	●
	Nexgrill 720-0925S (Home Depot)	69	\$200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	370	47x49x24	●	●
	Fuego F27S	69	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	480	49x52x27	●	●
	Cuisinart GAS9556AS	68	\$350	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	435	48x55x24	●	●
	Nexgrill 720-1012 (Home Depot)	68	\$150	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	310	43x47x23	●	●
	Napoleon Rogue 525 RXT525PSS-1	68	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	475	49x59x24	●	●
	Napoleon Rogue R425SIBPSS	68	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	385	47x51x24	●	●
	Cuisinart GAS9456ASO	68	\$300	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	390	48x52x24	●	●
	KitchenAid 720-0990C (Costco)	68	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	510	48x84x27	●	●

🔥 Monument Grills 77352	84	\$540	—	—	👍	👍	👍	👍	👍	👎	●	585	46x62x23	●
✔️ Weber Summit E-670	80	\$2,750	👍	👍	👍	👍	👍	👍	👍	👍	●	605	52x72x27	●
✔️ Weber Genesis II E-410	77	\$1,000	👍	👍	👍	👎	👍	👍	👍	👍	●	615	46x61x28	●
✔️ Napoleon Rogue 625 RXT625IBPSS-1	77	\$1,100	👍	👍	👍	👍	👍	👍	👍	👍	●	580	48x66x25	●
✔️ Weber Genesis II S-435 62006001	77	\$1,250	👍	👍	👍	👍	👎	👎	👍	👍	●	610	47x65x28	●
✔️ Signateur 5 Burner Item #1500111 (Costco)	76	\$900	—	—	👍	👍	👍	👍	👍	👍	●	570	49x65x24	●
✔️ Napoleon LEX730RSBIPSS	76	\$2,050	👍	👍	👍	👍	👍	👍	👎	👍	●	545	49x75x27	●
✔️ Napoleon Prestige Pro 665RSIB	74	\$3,300	👍	👍	👍	👎	👍	👍	👎	👍	●	615	51x77x26	●
✔️ Fuego Premium 3 Burners F36S	73	\$2,000	👎	👍	👍	👍	👍	👍	👎	👍	●	630	49x61x26	●
✔️ Broil King Regal S590 Pro 958344	72	\$1,100	👍	👎	👎	👍	👍	👍	👍	👍	●	560	48x63x24	●
Broil King Baron 590 923184	68	\$800	👍	👎	👎	👎	👍	👍	👍	👍	●	530	46x63x24	●
Char-Broil Performance 463276517	66	\$380	👎	👎	👍	👍	👍	👍	👎	👍	●	580	45x63x26	●
Dyna-Glo DGP552SSP-D	66	\$590	👍	👎	👍	👍	👍	👎	👍	👎	●	535	45x63x23	●



GAS GRILLS

Brand + Model	Overall Score	Price	Survey Results		Test Results							Features					
			Predicted reliability	Owner satisfaction	Evenness performance	Preheat performance	Temperature range	Indirect cooking	Convenience	Sturdiness	Stainless steel grates	Coated-cast-iron grates	Measured cooking grid area (sq. in.)	Exterior dimensions (HxWxD)	Long-warranty burners	Side burner	
LARGE GAS GRILLS (ROOM FOR 28 OR MORE BURGERS) <i>Continued</i>																	
Broil King Baron 590 PRO 876244	66	\$950	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	●		555	47x63x26	●	●	
Grill Zone BG2615B [Item # 204381] (True Value)	66	\$400	—	—	⬆	⬆	⬆	⬆	⬆	⬆	●		535	46x64x22		●	
Broil King Imperial 590 958884	65	\$1,990	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	●		590	49x68x26	●	●	
Broil King Regal S520 886114	65	\$1,200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	●		575	48x63x27	●		
Saber R67SC0012	65	\$2,300	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬆	●		555	49x64x25	●	●	
KitchenAid 720-0893	64	\$900	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆	●		555	49x50x24	●	●	
Fervor IC655-S	64	\$1,270	—	—	⬆	⬆	⬆	⬆	⬆	⬆	●	●	610	54x70x26		●	
Broil King Sovereign XLS 90 988844	62	\$1,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	●		545	51x65x24	●	●	
Landmann Avalon 42301	62	\$1,600	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆		●	530	50x65x28	●	●	
Member's Mark Pro Series 5 Burner [# 980305016] (Sam's Club)	62	\$600	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆	●		600	48x66x27		●	
Kenmore PG-40611SOL	62	\$400	⬇	⬇	⬆	⬆	⬆	⬆	⬆	⬆		●	565	45x65x22		●	
SMALL GAS GRILLS (ROOM FOR 18 OR FEWER BURGERS)																	
✔ Weber Spirit E-210 46110001	72	\$430	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		●	340	46x50x26	●		
✔ Royal Gourmet MG3000	71	\$305	—	—	⬆	⬆	⬆	⬆	⬆	⬆		●	330	49x52x23			
✔ Cuisinart GAS0256AS [Item # 576794497] (Walmart)	71	\$250	—	—	⬆	⬆	⬆	⬆	⬆	⬆			320	48x50x24	●		
💰 Expert Grill 720-0988EC [Item 585454662] (Walmart)	70	\$155	—	—	⬆	⬆	⬆	⬆	⬆	⬆		●	320	44x47x24			
✔ Weber Spirit II E-210 44020001	70	\$380	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		●	340	45x47x29	●		
✔ Nexgrill Evolution 720-0864M (Home Depot)	70	\$180	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	●		450	47x54x25		●	
Napoleon Rogue 365 R365PK-1	68	\$800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆		●	325	47x48x25	●		
Expert Grill 720-0864T [Item 585314283] (Walmart)	66	\$225	—	—	⬆	⬆	⬆	⬆	⬆	⬆		●	265	46x44x21			
Dyna-Glo DGF350CSP-D	66	\$150	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆		●	315	41x48x23		●	
Blue Rhino GBC1932L [Item #1139071] (Lowe's)	66	\$150	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆		●	310	42x47x23			
Dyna-Glo DGC310CNP	65	\$120	⬆	⬇	⬆	⬆	⬆	⬇	⬇	⬆			275	44x44x25			
Expert Grill XG10-101-002-02 [Item # 577812180] (Walmart)	65	\$100	—	—	⬆	⬆	⬆	⬆	⬆	⬇		●	275	41x53x23			
Dyna-Glo DGP321SNP-D	64	\$400	⬆	⬇	⬆	⬆	⬆	⬆	⬆	⬆		●	320	45x50x23		●	

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. Predicted reliability estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. Owner satisfaction reflects the proportion of CR members who are extremely likely to

recommend the gas grill they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), the model gets weighted category average scores for reliability and satisfaction. To measure Evenness performance, we use thermocouples to map the evenness of heating over the grill's surface at the highest and lowest

setting using all main burners—plus the evenness after a 10-minute preheat. Preheat performance evaluates the temperature after a 10-minute preheat, giving an indication of how quickly the grill reaches its maximum temperature. Temperature range reflects how wide a temperature span the grill offers, comparing temperatures at the high and low setting using all main burners.

Indirect cooking indicates grill temperature when only one or two of the burners are on, to represent a cooking task where the food is placed between or alongside the direct flame. Convenience includes grate material, wheels or casters for moving the grill, and useful features such as electronic igniter. Price is approximate retail.



Lawn Mowers and Tractors

Most people opt for self-propelled gas mowers, which require regular upkeep and oil changes; self-propelled battery mowers require little more than blade sharpening. The right lawn tractor can make faster work of grass-cutting in large areas.

What to Look For

- If you have a small, level lawn, a walk-behind mower will do the trick.
- A self-propelled mower is better for a sloping site.
- For a gas riding mower, you'll want a fuel gauge that's visible from the driver's seat—which should have a high, supportive back.

- For battery-powered mowers, focus on models with longer run times and shorter charge times.
- Both mowers and tractors should have a washout port that accepts a hose for cleaning.

What to Skip

- Larger mower engines don't

guarantee better mowing.

- High rear mower wheels may not improve handling.
- Zero-turn mowers can be difficult to control and stop on steep slopes.

What You'll Pay

For mowers, from about \$300 to \$1,000. For tractors, from \$1,500 to \$5,000.

BUYING ADVICE

We test how well each mower works in three cutting modes (mulching, bagging, and side-discharging). Find a model that earns high marks in your preferred mode.

For more buying advice, go to [CR.org/mowers](https://www.consumerreports.org/mowers).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results								Features				
				Predicted reliability	Owner satisfaction	Side discharging	Mulching	Bagging	Evenness	Handling	Run time	Charge time	Noise at ear	Noise at 25 ft.	Deck size (in.)	Volts (V DC)/ Engine size (cc)	Drive wheels	Optional discharge chute
GAS PUSH MOWERS																		
✓	Honda HRN216PKA	78	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	167	NA	
✓	Cub Cadet SC100 HW	71	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	160	NA	
✓	Toro Recycler 21332	69	\$270	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	140	NA	●
✓	Toro Recycler SmartStow 21329	69	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	22	150	NA	
💰	Troy-Bilt TB 115	66	\$230	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	140	NA	
✓	Masport 478946	66	\$380	—	—	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	163	NA	
✓	Craftsman M160	66	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	150	NA	
GAS SELF-PROPELLED MOWERS																		
✓	Honda HRX217K6HZA	87	\$870	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	201	rear	
✓	Honda HRN216VLA	85	\$510	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	167	rear	
💰	Honda HRN216VKA	84	\$410	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	166	rear	
✓	Honda HRX217K6VKA	84	\$620	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	201	rear	
✓	Toro Super Recycler 21387	76	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	190	rear	
✓	Toro Super Recycler 21386	76	\$500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	⬆	⬆	21	163	rear	



LAWN MOWERS AND TRACTORS

Brand + Model		Overall Score	Price	Survey Results		Test Results								Features				
				Predicted reliability	Owner satisfaction	Side discharging	Mulching	Bagging	Evenness	Handling	Run time	Charge time	Noise at ear	Noise at 25 ft.	Deck size (in.)	Volts (V DC)/ Engine size (cc)	Drive wheels	Optional discharge chute
GAS SELF-PROPELLED MOWERS <i>Continued</i>																		
💰	Toro Personal Pace Recycler 21465	75	\$380	🟡	🟢	🟢	🟢	🟢	🟢	🟢	NA	NA	🔴	🟡	22	150	rear	
✔️	Toro Super Recycler 21385	75	\$550	🟡	🟢	🟢	🟢	🟢	🟢	🟢	NA	NA	🔴	🟡	21	159	rear	
✔️	Honda HRS216K6VKA	71	\$400	🟢	🟢	🟢	🟢	NA	🟢	🟢	NA	NA	🟡	🟢	21	160	rear	
✔️	Cub Cadet SC 900	70	\$450	🟡	🟡	NA	🟢	🟢	🟢	🟢	NA	NA	🔴	🟡	23	196	rear	
✔️	Toro Recycler 20333	69	\$400	🟡	🟢	🟢	🟢	🟢	🟢	🟢	NA	NA	🔴	🔴	22	163	rear	
✔️	Toro PoweReverse Recycler SmartStow 20355	69	\$450	🟡	🟢	🟢	🟢	🟢	🟢	🟢	NA	NA	🔴	🔴	22	163	rear with forward reverse	
✔️	Toro 21352	69	\$300	🟡	🟢	🟢	🟢	🟢	🟢	🟡	NA	NA	🔴	🟡	21	140	rear	●
GAS WIDE-DECK SELF-PROPELLED MOWERS																		
💰	Troy-Bilt TB WC28	76	\$800	🟡	🟡	🟢	🟢	🟢	🟢	🟢	NA	NA	🔴	🔴	28	223	rear	
✔️	Toro Timemaster 21199	75	\$1,000	🟡	🟢	🟢	🟢	🟢	🟢	🟢	NA	NA	🔴	🔴	30	223	rear	
BATTERY PUSH MOWERS																		
✔️	Ryobi RY401200	79	\$480	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟡	🟢	🟢	21	40	NA	
✔️	DR Power Equipment CE75021XENO	77	\$600	—	—	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	🟢	21	62	NA	
✔️	Ego LM2101	75	\$400	🟢	🟢	🟢	🟢	🟡	🟢	🟢	🟡	🟢	🟢	🟢	21	56	NA	●
✔️	DeWalt DCMWP233U2	75	\$400	—	—	🟢	🟢	🟡	🟢	🟢	🟢	🔴	🟢	🟢	22	40	NA	
✔️	Ryobi RY401110	71	\$300	🟢	🟢	🟡	🟢	🟡	🟢	🟢	🟢	🟢	🟢	🟢	20	40	NA	●
✔️	Atlas 56998	71	\$420	—	—	🟢	🟢	🟡	🟢	🟢	🟡	🟡	🟢	🟢	21	80	NA	
✔️	Hart HLP011	70	\$285	—	—	🟡	🟢	🟡	🟢	🟢	🟢	🔴	🟢	🟢	20	40	NA	
✔️	Stihl RMA 510	70	\$550	🟢	🟢	🔴	🟡	🟡	🟢	🟢	🟡	🟢	🟢	🟢	21	36	NA	
✔️	Kobalt (Lowe's) KM 20141B-06	69	\$300	🟢	🟢	🟢	🟢	🟡	🟢	🟢	🟡	🔴	🟢	🟢	20	40	NA	
BATTERY SELF-PROPELLED MOWERS																		
✔️	Ego LM2156SP	84	\$750	🟢	🟢	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	🟢	21	56	rear	
✔️	Ryobi RY401150US	82	\$600	🟡	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢	21	40	rear	
💰	Ryobi RY401140US	81	\$500	🟡	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢	21	40	rear	
✔️	Ego LM2142SP	78	\$750	🟢	🟢	🟢	🟢	🟡	🟢	🟢	🟢	🟡	🟢	🟢	21	56	rear	
✔️	Makita XML08PT	77	\$650	—	—	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	🟢	21	36	rear	
💰	Ego LM2102SP	77	\$500	🟢	🟢	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	🟢	21	56	rear	●
✔️	Ego LM2135SP	76	\$660	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	21	56	rear	
✔️	Toro Recycler 21466	75	\$550	—	—	🟢	🟢	🟡	🟢	🟢	🟡	🔴	🟢	🟢	22	60	rear	
BATTERY RIDING MOWER																		
✔️	Ego ZT4204L	87	\$5,000	—	—	🟢	🟢	NA	🟢	🟢	🟢	🟢	🟡	🟡	42	56		
✔️	Ryobi RY48140	79	\$5,000	—	—	🟢	🟢	NA	🟢	🟢	🟢	🔴	🔴	🔴	54	48		

✔ John Deere X350-42	88	\$3,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	42	18.5	●
✔ John Deere S240-48	88	\$2,900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	48	18.5	●
✔ John Deere S170	86	\$2,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	48	24.0	●
💰 John Deere S120	85	\$2,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	42	22.0	●
✔ Cub Cadet XT2 SLX50	83	\$2,500	⚠️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	50	ns	●
✔ Husqvarna TS 354X	80	\$3,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	54	26.0	●
✔ Husqvarna TS 254XG	79	\$3,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	54	24.0	●
✔ Cub Cadet XT1 LT46	79	\$1,900	⚠️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	46	22.0	●

✔	Gravely ZT HD 48 991152	92	\$5,300	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	48	25.0	●	
✔	Toro MYRIDE TimeCutter 75755	87	\$3,700	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	50	24.5	●	
✔	John Deere Z515E	86	\$4,400	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	54	24.0	●	
✔	John Deere Z375R-54	85	\$3,500	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	54	25.0	●	
✔	John Deere Z355E	85	\$3,000	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	48	22.0	●	
✔	John Deere Z345R-42	85	\$2,900	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	42	22.0	●	
✔	Toro 75750	84	\$3,100	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	50	23.0	●	
💰	John Deere Z335E-42	83	\$2,600	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	42	20.0	●	
💰	Toro TimeCutter SS4225 75742	83	\$2,500	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	42	22.5	●	
✔	Craftsman Z530	82	\$2,700	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	46	22.0	●	
✔	Craftsman Z5200	82	\$2,600	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	42	20.0	●	
✔	Bad Boy MZ Magnum	82	\$3,500	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	54	25.0	●	
✔	Cub Cadet RZT SX 42	80	\$3,000	⬇️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	42	NS	●	
✔	Cub Cadet Ultima ZT2-50 Fab	80	\$3,700	⬇️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	50	23.0	●	
✔	Cub Cadet Ultima ZT1 50	79	\$3,150	⬇️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬇️	⬇️	50	23.0	●	

weight of a full bag. **Evenness** is our measurement of how evenly the mower cuts. **Handling** is ease of using drive controls, making U-turns, and other maneuvers. **Engine power** (hp) is measured in horsepower, unless otherwise specified. **Price** is approximate retail.



Mattresses

Foam beds-in-a-box get a lot of attention, but traditional innerspring mattresses remain the biggest sellers. No matter which type you prefer, the key to comfort is support.



What to Look For

- Use our ratings to select a mattress that scores Very Good or Excellent for your size and sleep position.
- Return windows can range from a couple of weeks to a few months. Make sure the retailer offers a refund or credit, in case you aren't happy with your choice.

What to Skip

- A layer of gel-infused foam, touted to provide a cooling effect, doesn't guarantee cooler sleep.
- If your old box spring isn't broken and is still structurally sound, consider keeping it (you'll save roughly \$150 to \$300 for a queen-size). One caveat: Some brands

require you to buy their box spring to receive full warranty coverage.

What You'll Pay

You'll find a huge range of prices. But you don't have to spend much more than \$1,000 for a comfortable, supportive mattress—and you can certainly spend less.

BUYING ADVICE

If possible, lie on any mattress you're considering, spending at least 10 to 15 minutes on each side, your back, and your stomach.

For more buying advice, go to [CR.org/mattresses](https://www.consumerreports.org/mattresses).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results								Features							
				Comfort score	Owner satisfaction	Petite side sleeper	Average side sleeper	Large/tall side sleeper	Petite back sleeper	Average back sleeper	Large/tall back sleeper	Durability	Stabilization	Firmness rating	Dimensions (LxWxH)	Latex foam	Gel-infused foam	Resists bounce	Retains warmth	Mattress-in-a box	
INNERSPRING																					
✓	Avocado Green	85	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	7	79 x 59 x 12	•		•		•	
💰	Denver Mattress Doctor's Choice Plush	82	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	3	80 x 59 x 12			•			
✓	Casper Original Hybrid (2020)	81	\$1,285	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	3	79 x 60 x 11			•		•	
✓	SleepFresh Hybrid	81	\$1,100	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	3	80 x 60 x 12		•	•		•	
✓	Ethan Allen EA Signature Platinum Plush	81	\$2,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5	80 x 61 x 15	•	•	•			
✓	Charles P. Rogers Powercore Estate 5000	80	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6	81 x 61 x 14	•		•			
✓	Avocado Green Mattress Pillowtop	79	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5	80 x 59 x 14	•		•	•	•	
✓	Sealy Response Performance Briar Rose 11.5" Cushion Firm	78	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5	80 x 60 x 11		•	•		•	
✓	Casper Wave Hybrid	78	\$2,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	80 x 60 x 13		•	•		•	
💰	Beautyrest BR-800 12" Medium Firm	77	\$770	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6	80 x 59 x 12			•			
✓	Charles P. Rogers Real Bed	77	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	3	79 x 60 x 12	•		•			
✓	Big Fig The Mattress for a Bigger Figure	77	\$1,700	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6	80 x 60 x 13	•	•	•	•	•	
💰	Tuft & Needle Nod Hybrid MAT-NODH-01-Q	76	\$675	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4	80 x 61 x 10					•	

✓ Kingsdown Select Malbec 14.5" Plush	76	\$3,000	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	3	80 x 60 x 16			●	●	
✓ Hotel Collection by Aireloom Coppertech 12" Firm Tight top	76	\$1,800	🟢	🟡	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🟢	6	79 x 60 x 13		●	●		
✓ Charles P. Rogers St. Regis Pillowtop Memory Foam	76	\$1,260	🟢	🟢	🟢	🟡	🟡	🟢	🟢	🟢	🟢	🟢	6	81 x 61 x 13			●	●	
✓ Sealy Posturepedic Performance Copper II	76	\$1,580	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟡	4	80 x 60 x 13			●	●	
💰 Beautyrest Silver BRS900-TSS Medium Firm Tight Top	75	\$790	🟡	🟡	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	4	79 x 59 x 12			●		
✓ Leesa Legend	75	\$1,950	🟢	🟢	🟢	🟡	🟡	🟢	🟢	🟢	🟢	🟢	3	78 x 59 x 12			●		●
✓ Sealy Posturepedic Premium Silver Chill	75	\$2,000	🟡	🟡	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟡	3	80 x 60 x 14			●		
✓ My Green Mattress Natural Escape	75	\$1,500	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟡	5	81 x 59 x 11	●		●		●
✓ Beautyrest PressureSmart 11.5" Firm	75	\$1,100	🟡	🟡	🟢	🟡	🟡	🟢	🟢	🟢	🟢	🟢	7	79 x 59 x 12		●	●		
💰 Sealy Posturepedic Lawson LTD Cushion Firm	75	\$710	🟡	🟡	🟢	🟡	🟡	🟢	🟢	🟢	🟢	🟢	5	80 x 60 x 11		●	●		
✓ King Koil Luxury Almond 13" Plush	75	\$1,600	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	5	80 x 59 x 12		●	●		
✓ Diamond Intention Hybrid	75	\$1,300	—	—	🟡	🟡	🟡	🟢	🟢	🟡	🟢	🟢	2	81 x 60 x 15			●		●
✓ Tuft & Needle Hybrid with Pillow top	74	\$1,345	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟡	4	79 x 60 x 12				●	●
✓ Nest Bedding Alexander Signature Hybrid Copper Infused Thermic Phase Change Cooling Fabric	74	\$1,500	🟢	🟢	🟢	🟢	🟡	🟢	🟡	🟡	🟢	🟢	2	81 x 60 x 14		●	●		●
💰 Allswell Luxe Hybrid	74	\$675	—	—	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	7	80 x 60 x 13			●		●
✓ Beautyrest Black L-Class	73	\$2,100	🟡	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🟢	🟢	6	80 x 61 x 14		●	●		
✓ Sealy Posturepedic Plus Opportune II	73	\$1,300	🟡	🟡	🟢	🟢	🟢	🟢	🟢	🟡	🟢	🟡	4	79 x 60 x 13		●	●		
✓ Brooklyn Bedding Titan for Plus Size Sleep	73	\$1,000	🟢	🟢	🟢	🟡	🟡	🟢	🟢	🟢	🟢	🟢	4	80 x 60 x 11		●	●		●
✓ Bédgear M3 1.0 Medium Firm	73	\$2,000	—	—	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	5	80 x 60 x 13			●		●
✓ Saatva Classic Luxury Firm Eurotop	73	\$1,300	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟡	🟢	🟡	3	80 x 60 x 16			●		
✓ Purple 3	73	\$2,200	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟡	🟢	🟢	3	81 x 60 x 13			●		
✓ Purple 2 Hybrid Firm	73	\$1,600	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	🟢	3	81 x 60 x 11			●		●
✓ Sealy Posturepedic Performance Lawson Euro Pillowtop	73	\$1,670	🟡	🟡	🟡	🟡	🟡	🟢	🟢	🟢	🟢	🟢	6	79 x 60 x 14		●	●		
✓ Serta Perfect Sleeper Elite Trelleburg II 11.5" Firm	73	\$800	🟡	🟡	🟢	🟡	🟡	🟢	🟢	🟢	🟢	🟢	5	79 x 60 x 12		●	●		
✓ Birch by Helix Natural	73	\$1,300	—	—	🟢	🟢	🟡	🟢	🟢	🟢	🟢	🟢	3	82 x 59 x 11	●		●		●
✓ Diamond Transformation Hybrid	73	\$1,800	—	—	🟢	🟢	🟢	🟢	🟢										



MATTRESSES

Brand + Model	Overall Score	Price	Survey Results		Test Results								Features						
			Comfort score	Owner satisfaction	Petite side sleeper	Average side sleeper	Large/tall side sleeper	Petite back sleeper	Average back sleeper	Large/tall back sleeper	Durability	Stabilization	Firmness rating	Dimensions (LxWxH)	Latex foam	Gel-infused foam	Resists bounce	Retains warmth	Mattress-in-a-box
INNERSPRING <i>Continued</i>																			
Sealy Response Performance Elm Avenue Firm 11	72	\$600	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6	80 x 60 x 11		•	•		
Kingsdown Crown Imperial Empire	72	\$1,800	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	3	80 x 59 x 13		•	•		NA
Casper Nova Hybrid	72	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	3	79 x 60 x 12			•		•
Sealy Response Performance Beech Street Eurotop Cushion Firm	72	\$800	⬇️	⬇️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	5	79 x 60 x 13			•		
Sealy Posturepedic Essentials Trust II	72	\$1,100	⬇️	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	4	80 x 59 x 12			•		
Helix Sleep Midnight Luxe	72	\$1,745	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	4	81 x 60 x 14		•	•		•
FOAM																			
✔️ Essentia Stratami	82	\$3,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6	79 x 60 x 8	•		•		•
💰 Casper Original (2020)	82	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	6	79 x 59 x 10			•		•
💰 Sleep on Latex Pure Green Firm	81	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	7	81 x 61 x 9	•		•	•	•
✔️ Casper The Casper Original All-Foam 2019	81	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	5	79 x 59 x 11			•		•
✔️ Reverie Dream Supreme II Hybrid Sleep System Firm	80	\$3,600	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4	79 x 59 x 12	•		•		
💰 Casper Sleep Element 2020 Model 950-000065-004	79	\$595	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	4	80 x 59 x 10			•	•	•
✔️ Tuft & Needle Mint	78	\$995	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4	81 x 61 x 12		•	•		•
✔️ BedInABox Tranquillium	78	\$1,160	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	6	81 x 61 x 11		•	•		•
✔️ Avocado Latex Mattress	78	\$1,800	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5	79 x 60 x 9	•		•		•
✔️ Lull The Lull	77	\$800	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	6	80 x 60 x 10		•	•		•
✔️ GhostBed The GhostBed	76	\$895	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	7	80 x 60 x 11	•	•	•		•
✔️ Nest Bedding Love & Sleep	76	\$700	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	4	80 x 60 x 11			•	•	•
💰 Novaform 10" SoFresh Responsive Foam	76	\$500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5	80 x 60 x 10			•		•
✔️ Purple The Purple Mattress	76	\$1,150	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	3	78 x 60 x 9			•		•
✔️ GhostBed Luxe	76	\$1,534	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	4	80 x 59 x 13			•		•
✔️ Sealy Essentials 12"	75	\$800	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	2	80 x 59 x 12		•	•	•	
💰 Signature Sleep Gold Inspire	74	\$305	—	—	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	6	80 x 61 x 12			•	•	•
💰 Tuft & Needle T&N Original Mattress	74	\$700	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	5	80 x 60 x 10		•	•		•
✔️ Saatva Zenhaven Latex	74	\$2,200	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	3	80 x 60 x 10	•		•		
✔️ Sleepy's 10" Medium Quilted Foam Mattress mfi130999	74	\$640	—	—	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	6	80 x 60 x 10			•		•
✔️ Sleepy's Curve 12" Plush Memory Foam mfi133560	74	\$900	—	—	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	4	80 x 59 x 12		•	•		•
✔️ Serta SleepToGo	74	\$750	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	5	80 x 59 x 12		•	•	•	•
💰 Spa Sensations by Zinus 12" Theratouch M-FMS-1200Q	74	\$330	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	5	80 x 59 x 12			•	•	•
✔️ Novaform 14" Serafina Pearl Cool Comfort Medium Gel Memory Foam	74	\$750	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	4	80 x 61 x 14		•	•	•	•

Brand + Model	Overall Score	Price	Survey Results	Test Results	Features
			Comfort score Owner satisfaction	Petite side sleeper Average side sleeper Large/tall side sleeper Petite back sleeper Average back sleeper Large/tall back sleeper Durability Stabilization	Firmness rating Dimensions (LxWxH) Latex foam Gel-infused foam Resists bounce Retains warmth Mattress-in-a-box

FOAM *Continued*

✓ Leesa Studio by Leesa	74	\$795	↑ ↑	↑ ↓ ↓ ↑ ↑	4 80 x 60 x 10					
✓ Serta iComfort CF3000	74	\$2,000	↓ ↓	↑ ↓ ↓ ↑ ↑	4 78 x 59 x 12					
✓ Tempur-Pedic Tempur-ProAdapt Firm	73	\$3,000	↑ ↑	↑ ↓ ↓ ↑ ↑	7 80 x 60 x 12					
✓ Reverie Dream Supreme II Hybrid Sleep System Medium	73	\$3,600	↑ ↑	↑ ↑ ↑ ↑ ↓	3 79 x 59 x 12					
✓ Serta iComfort Blue 100CT Gentle Firm	73	\$1,200	↓ ↓	↑ ↑ ↓ ↑ ↑	5 79 x 60 x 10					
✓ Nectar The Nectar	73	\$800	↑ ↑	↑ ↑ ↓ ↑ ↑	6 80 x 60 x 11					
Sleep Science Black Diamond 11" Memory Foam Queen Firm	72	\$900	↑ ↑	↑ ↓ ↓ ↑ ↑	6 80 x 61 x 11					
Novaform nüe by Novaform 10" Cooling Gel	72	\$500	↑ ↑	↑ ↓ ↓ ↑ ↑	6 81 x 61 x 10					
Sleep Innovations Shiloh 14-inch Memory Foam	72	\$400	↑ ↑	↑ ↑ ↓ ↑ ↑	4 80 x 60 x 13					
WinkBeds GravityLux by WinkBed	71	\$1,600	↑ ↑	↑ ↑ ↑ ↑ ↑	3 80 x 61 x 11					
Bear Original	71	\$800	— —	↑ ↑ ↓ ↑ ↑	6 79 x 60 x 10					
Renue 12-inch Memory Foam	71	\$800	— —	↑ ↓ ↓ ↑ ↑	4 80 x 59 x 12					
Serta Perfect Sleeper Express 12" Luxury Medium Firm	71	\$700	↓ ↓	↑ ↓ ↓ ↑ ↑	7 80 x 60 x 12					
Serta iComfort CF2000	71	\$1,400	↓ ↓	↑ ↓ ↓ ↑ ↑	5 80 x 60 x 12					
Serta Perfect Sleeper 10"	71	\$600	↓ ↓	↑ ↓ ↓ ↑ ↑	6 80 x 59 x 10					
OrganicPedic by OMI Flora Nouveau	70	\$4,500	— —	↑ ↓ ↓ ↑ ↓	4 80 x 60 x 9					
Classic Brands Cool Gel 1.0 Ultimate Gel Memory Foam	70	\$500	↑ ↑	↑ ↑ ↑ ↑ ↑	4 80 x 60 x 14					
Amerisleep AS2	70	\$1,100	↑ ↓	↑ ↑ ↓ ↑ ↑	4 81 x 61 x 12					
Emma The Emma Mattress	70	\$1,100	— —	↑ ↑ ↑ ↓ ↓	3 81 x 60 x 10					

ADJUSTABLE AIR

✓ Sleep Number 360 p6 Smart Bed	80	\$2,400	↑ ↑	↑ ↑ ↑ ↑ ↑	4 81 x 60 x 11					
✓ Personal Comfort H10 Bed	78	\$2,600	— —	↑ ↑ ↑ ↑ ↑	6 81 x 60 x 11					
✓ Saatva Solaire	78	\$2,850	↑ ↑	↑ ↑ ↑ ↑ ↑	4 81 x 60 x 14					
Personal Comfort A8 Bed	70	\$2,700	— —	↑ ↑ ↓ ↑ ↑	4 81 x 61 x 13					
Sleep Number 360 i10 Smart Bed	69	\$4,400	↑ ↑	↑ ↑ ↑ ↓ ↓	3 80 x 60 x 13					

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests and member surveys. The Survey Results section includes two ratings based on our members' survey feedback over 74,000 mattresses purchased between 2010 and 2020. **Comfort score** is based on our mattress survey data in which our members rate their mattresses using a 6-point rating system from Very Poor to Excellent.

Owner satisfaction is based on a 6-point rating system from completely dissatisfied to completely satisfied with their mattress. In cases where we have insufficient data to provide a brand-level rating, indicated by a gray dash (—), the model gets weighted category average scores for comfort and satisfaction. **Side sleeper** is the ability to keep a side sleeper's spine relatively horizontal. **Back sleeper** is the

ability to maintain the natural curve of a back sleeper's spine. In our **support tests** we use a woman 4 feet 11½ inches to 5 feet 1½ inches, and 110 to 127.5 pounds for the **petite sleeper** scores, and a man 6 feet 2 inches to 6 feet 4 inches and 220 to 242 pounds for the **large/tall sleeper** scores. The **average sleeper** is an average of the other two. **Durability** gauges a mattress' ability to keep its original shape, height,

firmness, and support after a simulated eight to 10 years of use, including our passing a nearly 310-pound roller over each mattress 30,000 times. A high score for **stabilization** indicates little or no bouncing or vibration transferred across the mattress. We rate **firmness** on a scale of 1 to 10, with 10 being the firmest. **Price** is approximate retail for a queen-size mattress without a box spring.



Ranges

The right range choice is largely dictated by whether you use gas or electric fuel. Our tests find great performers in each type. If you want the rapid response of gas, but only have an electric hookup, consider induction, which offers fast heating and steady simmering.



What to Look For

- Start with your power source—gas or electric. Dual-fuel ranges have an electric oven and gas cooktop burners, so they require a gas line and a 240-volt electric outlet.
- At least five oven-rack positions for flexibility when baking and roasting.

- For home cooks who host often, double ovens allow you to cook two dishes simultaneously, at different temperatures.

What to Skip

- Shopping by Btu. Higher British thermal units don't guarantee faster heating in our tests of gas ranges.

Neither does a higher wattage burner on an electric range.

What You'll Pay

Anywhere from \$700 to \$3,000 for most ranges. You'll find coil models for less than \$700 and pro-style options that run more than \$3,000.

BUYING ADVICE

Generally, more expensive pro-style ranges aren't the best-performing models we test.

For more buying advice, go to [CR.org/ranges](https://www.consumerreports.org/ranges).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results						Features					
				Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning	High-power burners	Medium-power burners	Low-power burners	Convection mode	Slide-in	Stainless steel available
SMOOTHTOP, SINGLE OVEN (30-INCH)																	
✓	GE Profile PSS93YPFS	87	\$2,400	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	NA	1	2	1	●		●
✓	LG LSEL6337D	86	\$2,250	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●		●
💰	LG LREL6321S	86	\$700	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	NA	2	0	2			●
✓	Samsung NE63T8711SS	86	\$1,890	🟡	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●		●
✓	LG LSE4613ST	85	\$1,710	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	🟡	2	0	2	●		●
✓	LG LREL6325D	84	\$1,200	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●		●
✓	Samsung NE63A6711SS	83	\$990	🟡	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	1	2	1	●		●
✓	GE Profile PB935YPFS	83	\$1,095	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	1	2	1	●		●
✓	Bosch HEI8056U	82	\$2,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●	●	●
✓	GE JS760SLSS	81	\$1,745	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●		●
✓	LG LRE3194BD	81	\$990	⬆️	🟡	⬆️	⬆️	⬆️	⬆️	⬆️	🟡	2	0	2	●		●
	LG LRE3060ST	80	\$700	⬆️	🟡	⬆️	⬆️	🟡	⬆️	⬆️	NA	2	0	2			●
	GE JB655SKSS	80	\$810	⬆️	🟡	⬆️	⬆️	🟡	⬆️	⬆️	⬆️	2	0	2	●		●
	Whirlpool WEE510S0FS	79	\$1,260	⬆️	🟡	⬆️	⬆️	⬆️	🟡	⬆️	⬆️	2	0	2			●
	Frigidaire Gallery GCRE302LAF	78	\$810	⬆️	🔴	⬆️	⬆️	🟡	⬆️	⬆️	⬆️	2	0	2			●

Frigidaire Gallery GCRE3060AF	76	\$1,000	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●	●
Frigidaire Gallery FGEH3047VF	76	\$1,620	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●	●
Frigidaire FFEF3054TS	73	\$720	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	2	0	2		●
GE JS645SLSS	72	\$900	⬆️	⬇️	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	2	0	2		●
Electrolux EI30EF45QS	71	\$2,380	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	2	0	2	●	●
Samsung NE63A6311SS	71	\$800	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	2	0	2		●
Café CES700P2MS1	70	\$2,160	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	1	2	1	●	●
Frigidaire FFEH3054US	69	\$1,000	⬆️	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	2	0	2		●
Frigidaire FFEH3051VS	69	\$1,010	⬆️	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	NA	2	0	2		●
GE JBS60RKSS	68	\$675	⬆️	⬇️	⬆️	⬇️	⬇️	⬇️	⬆️	NA	1	1	2		●
Kenmore Elite 95223	66	\$1,600	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2	0	2	●	●
Kenmore 95123	66	\$1,400	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	⬇️	2	0	2	●	●
KitchenAid KFEG504KPS	66	\$1,160	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	2	0	2	●	●

✓ Samsung NE63T8751SG	83	\$2,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●	●
✓ LG LTE4815ST	82	\$2,410	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●	●
LG LDE4413ST	80	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	0	2	●	●
Samsung NE59J7850WS	79	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	1	2	1	●	●
Maytag MET8800FZ	76	\$1,850	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	1	2	1	●	●

✓ LG LSE4617ST	84	\$3,330	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2	2	0	●	●
💰 Frigidaire Gallery GCRI3058AF	83	\$1,170	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4	0	0	●	●
✓ Frigidaire Gallery FGIH3047VF	82	\$1,420	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4	0	0	●	●
KitchenAid KFID500ESS	73	\$2,730	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬆️	⬇️	2	2	0	●	●
GE JBS86SPSS	72	\$1,215	⬆️	⬇️	⬆️	⬆️	⬇️	⬇️	⬆️	NA	2	0	2	●	●

✔ Samsung NX60T8711SS	82	\$1,980	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●
✔ LG LSL6335D	82	\$1,980	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●
✔ Samsung NX58R5601SS	79	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●
✔ LG LSD4913ST (dual-fuel)	77	\$2,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●
✔ Samsung NX60T8511SS	74	\$1,710	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●
✔ LG LRGL5823S	74	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●
✔ Café CGB500P2MS1	74	\$1,530	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●
✔ GE JGB735SPSS	72	\$950	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	2	2	1	●	●



RANGES

Brand + Model	Overall Score	Price	Survey Results		Test Results						Features					
			Predicted reliability	Owner satisfaction	Cooktop high	Cooktop low	Baking	Broiling	Oven capacity	Self-cleaning	High-power burners	Medium-power burners	Low-power burners	Convection mode	Slide-in	Stainless steel available

GAS AND DUAL-FUEL, SINGLE OVEN (30-INCH) *Continued*

✓ Frigidaire Gallery GCRG3060AF	71	\$1,100	↑	↓	↑	↑	↓	↓	↑	↑	2	2	1	•		•
GE JGB660SEJSS	70	\$890	↑	↓	↑	↑	↓	↓	↑	↑	2	2	1			•
Frigidaire Professional PCFG3078AF	70	\$1,800	↑	↓	↑	↑	↓	↓	↓	↑	3	1	1	•		•
LG LRG3194ST	70	\$995	↑	↑	↓	↑	↑	↓	↑	↓	2	2	1	•		•
Frigidaire FFGF3054TS	70	\$770	↑	↓	↑	↑	↑	↓	↓	↑	2	2	1			•
GE JGBS66EEKES	70	\$845	↑	↓	↓	↑	↓	↓	↑	NA	2	2	1			
Café CGS700M2NS5	69	\$3,060	↑	↑	↑	↑	↑	↑	↓	↓	3	2	1	•		•
GE JGBS61RPSS	69	\$675	↑	↓	↓	↑	↑	↓	↑	NA	1	2	1			•
GE JGSS66EELES	68	\$1,045	↑	↓	↓	↑	↓	↓	↑	NA	2	2	1			
GE JGBS30REKSS	67	\$565	↑	↓	↓	↑	↓	↓	↑	NA	1	2	1			•
Samsung NX58R4311SS	67	\$1,000	↑	↑	↑	↓	↓	↓	↑	↓	2	2	1			•
GE JGBS60DEKWW	67	\$585	↑	↓	↓	↑	↓	↓	↑	NA	1	2	1			•

GAS AND DUAL-FUEL, DOUBLE OVEN (30-INCH)

✓ LG Signature LUTD4919SN (dual fuel)	85	\$3,250	↑	↑	↑	↑	↑	↑	↑	↑	2	2	1	•		•
✓ Café C2S950P2MS1 (Dual fuel)	77	\$3,100	↑	↑	↑	↑	↑	↓	↑	↑	3	2	1	•		•
Ⓢ GE JGBS86SPSS (dual fuel)	73	\$1,440	↑	↓	↓	↑	↑	↑	↑	NA	2	2	1	•		•
✓ Samsung NX58M6850SG	73	\$1,500	↑	↑	↓	↑	↓	↓	↑	↓	2	2	1	•		•
✓ Samsung NX60T8751SG	72	\$2,790	↑	↑	↑	↑	↓	↓	↑	↑	2	2	1	•		
GE JGB860SEJSS	66	\$1,440	↑	↓	↑	↑	↑	↓	↑	↓	2	2	1	•		•

PRO-STYLE GAS AND DUAL-FUEL (36-INCH)

Kucht KRG3618U	66	\$3,005	—	—	↑	↑	↑	↓	↓	NA	6	0	0	•		•
Viking VGR5366BSS	59	\$7,260	↓	↓	↑	↑	↓	↓	↑	NA	6	0	0	•		•
Jenn-Air JGRP436HL	53	\$6,400	↓	↓	↑	↑	↓	↓	↓	↓	5	1	0	•		•
Haier HCR6250AGS	43	\$2,000	—	—	↑	↓	↓	↓	↓	NA	1	3	1	•		•

PRO-STYLE GAS AND DUAL-FUEL (30-INCH)

KitchenAid KFDC500JSS (dual-fuel)	67	\$5,300	↓	↑	↑	↑	↑	↑	↓	↓	3	0	1	•		•
Thermador Pro Harmony PRG305WH	45	\$5,600	↓	↑	↓	↑	↓	↑	↓	NA	2	3	0	•		•
Viking VGIC53024BSS	42	\$4,580	↓	↓	↓	↓	↓	↑	↓	NA	4	0	0	•		•

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion of

CR members who are extremely likely to recommend the range they bought. Models with a dash (—) indicate that we have insufficient data for the brand, and these models get the category average score. **Cooktop high** reflects how quickly the most powerful element heated a large pot of water to

near-boil. **Cooktop low** is how well the lowest-powered element held a low heat, as for melting chocolate, and how well the most powerful element, set on low, held tomato sauce below a boil. **Baking** reflects even browning of cakes and cookies in multitrack baking tests. **Broiling** is even browning of a pan of

burgers and high-heat searing. **Oven capacity** is our evaluation of usable space. **Self-cleaning** is that cycle's effectiveness after the oven is coated with a mixture of eggs, lard, cheese, cherry pie filling, tomato puree, and tapioca. **Price** is approximate retail.



Refrigerators

Refrigerator design continues to evolve, and new models often boast high-tech features. But no matter which type you choose, everyday performance still matters most—and that's what our tests capture.

What to Look For

- Temperature-controlled drawers to keep meat, fish, and other food at lower temperatures.
- In French-door models, look for half or foldable shelves for storing taller items as needed.
- Adjustable door bins also allow for customization and flexibility.

What to Skip

- Take manufacturers' capacity claims with a grain of salt: Our tests have found that these may be inflated. Instead, use our measured capacity to determine how much the model you choose can really hold. See "Total usable capacity" column in the ratings below.

What You'll Pay

Standard top-freezers start around \$500. Side-by-sides start around \$800, while French-door models are \$1,000 and up. Built-ins can run beyond \$10,000.

BUYING ADVICE

If you're replacing your existing fridge (rather than remodeling), check each model's width, height, and depth, and make sure you have room for the door to open fully.

For more buying advice, go to [CR.org/refrigerators](https://www.consumerreports.org/refrigerators).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results				Features										
				Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Cabinet-depth model	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)	Total usable capacity (cu. ft.)	Energy cost/yr. (\$)	Energy star	Ice maker	Water dispenser	Stainless/SS-look option
TOP FREEZERS, 31-INCH AND WIDER WIDTHS																				
✓	LG LTCS24223S	77	\$1,200	⬆	⬆	⬆	⬇	⬆	⬆	⬇		69	33	32	19.3	65	●	●		●
✓	Samsung RT21M6213SG	77	\$1,065	⬆	⬇	⬆	⬇	⬆	⬆	⬇		68	33	32	20.2	51	●			●
✓	Samsung RT21M6215SG	76	\$1,065	⬆	⬇	⬆	⬇	⬆	⬆	⬇		68	33	32	20.2	62	●	●		●
✓	Maytag MRT311FFFM	72	\$1,050	⬆	⬇	⬆	⬆	⬆	⬇	⬇		66	33	31	17.5	56		Opt.		●
	GE GTS22KSNRSS	68	\$910	⬆	⬇	⬆	⬆	⬆	⬇	⬇		66	33	34	17.8	58		Opt.		●
	Whirlpool WRT511SZDM	66	\$1,060	⬆	⬇	⬇	⬇	⬆	⬆	⬇		66	33	32	18.1	57		Opt.		●
	Kenmore 79433	64	\$1,000	⬆	⬇	⬇	⬇	⬆	⬆	⬇		69	33	32	19.4	71	●	●	Int.	●
TOP FREEZERS, 29- TO 30-INCH WIDTHS																				
✓	Samsung RT18M6215SG	76	\$855	⬆	⬇	⬆	⬆	⬆	⬆	⬇		67	29	29	13.6	58	●	●		●
💰	Insignia NS-RTM18BK8Q	75	\$550	—	—	⬆	⬆	⬆	⬇	⬇		67	30	31	15.5	51		Opt.		●
✓	Frigidaire FFTR1835VW	73	\$675	⬆	⬇	⬆	⬆	⬆	⬆	⬇		57	30	29	15.3	53		Opt.		●
✓	Frigidaire FFTR2021TS	71	\$845	⬆	⬇	⬆	⬆	⬆	⬇	⬇		69	30	33	16.7	55		Opt.		●
	GE GTS17GSNRSS	64	\$725	⬆	⬇	⬆	⬆	⬆	⬇	⬇		65	28	31	12.9	51		Opt.		●



REFRIGERATORS

Brand + Model	Overall Score	Price	Survey Results		Test Results					Features									
			Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Cabinet-depth model	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)	Total usable capacity (cu. ft.)	Energy cost/yr. (\$)	Energy star	Icemaker	Water dispenser	Stainless/SS-look option

TOP FREEZERS, 28-INCH AND NARROWER WIDTHS

🔴 Whirlpool WRT112CZJZ	82	\$590	👍	👎	👍	👍	👍	👍	👎		61	24	28	10.5	45		NA		•
👍 Blomberg BRFT1522SS	75	\$965	—	—	👍	👍	👍	👍	👎		68	28	26	12	52	•	•		•
👍 Frigidaire FFHT1425VV	74	\$685	👍	👎	👍	👍	👍	👍	👎		61	28	27	11.9	43	•	Opt.		•
👍 Hotpoint HPS16BTNRRWW	71	\$605	👍	👎	👍	👍	👍	👎	👎		62	28	30	12.4	50		Opt.		
🔴 Whirlpool WRT518SZFM	69	\$830	👍	👎	👍	👍	👍	👎	👎		68	28	31	14.9	52		Opt.		•

BOTTOM FREEZERS, 31- TO 33-INCH WIDTHS

👍 LG LRDCS2603S	81	\$1,600	👍	👍	👍	👍	👍	👎	👎		70	33	33	17.4	72	•	•		•
👍 GE GDE25ESKSS	80	\$1,725	👍	👎	👍	👍	👍	👍	👎		69	33	35	17.1	79	•	•		•
👍 Amana ABB2224BRM	80	\$1,540	👍	👎	👍	👍	👍	👎	👎		69	33	31	15.3	59	•	•		•
KitchenAid KRBR102ESS	74	\$2,040	👍	👎	👍	👍	👎	👎	👎		69	33	31	14.9	75	•	•		•
Whirlpool WRB322DMBM	73	\$1,600	👎	👎	👍	👍	👎	👎	👎		69	33	31	14.9	75	•	•		•
Fisher & Paykel Active-Smart RF170WDRUX5	66	\$2,650	👍	👍	👍	👎	👎	👍	👎	•	67	31	29	12	69	•	•	Ext.	•

BOTTOM FREEZERS, 30-INCH AND NARROWER WIDTHS





























































































👍 LG LBNC15231V	79	\$1,175	👍	👍	👍	👍	👍	👍	👎	•	68	28	27	11.6	55	•			•
👍 GE GDE21ESKSS	77	\$1,590	👍	👎	👍	👍	👎	👍	👎		70	30	35	14.6	74	•	•		•
👍 Amana ABB1924BRM	77	\$1,580	👍	👎	👍	👍	👍	👎	👎		66	30	31	12.5	58	•	•		•
Bosch B11CB50SSS	70	\$2,565	—	—	👍	👍	👎	👍	👎	•	79	24	26	8.4	46	•	•		•
Haier HRB15N3BGS	70	\$1,115	—	—	👍	👍	👍	👍	👎	•	68	28	24	11.9	55	•			•
Blomberg BRFB1822SSN	67	\$1,600	—	—	👍	👎	👎	👍	👎		60	30	31	13.7	68	•	•		•

FRENCH DOORS, 34-INCH AND WIDER WIDTHS

👍 LG LRFXC2406S	84	\$3,400	👎	👍	👍	👍	👎	👍	👍		71	36	29	15.7	88	•	•	Ext.	•
👍 LG LRFDS3006S	83	\$3,800	👎	👍	👍	👍	👍	👍	👍		71	36	34	20.5	94	•	•	Ext.	•
👍 LG LRFDS3016S	81	\$3,800	👎	👍	👍	👍	👍	👍	👍		70	36	33	20.4	97	•	•	Ext.	•
GE Profile PYE22PSKSS	80	\$3,100	👎	👎	👍	👍	👎	👍	👍	•	70	36	30	15.1	86	•	•	Ext.	•
GE GYE22HSKSS	80	\$3,130	👎	👎	👍	👍	👎	👍	👍	•	70	36	30	15.1	86	•	•	Ext.	•
LG LRFVS3006S	79	\$3,400	👎	👍	👍	👍	👎	👍	👍		70	36	33	19.6	99	•	•	Ext.	•
LG LMWS27626S	78	\$2,195	👎	👍	👍	👍	👍	👍	👍		70	36	33	17.4	82	•	•	Int.	•
LG LFXS28968S	77	\$2,700	👎	👍	👍	👍	👍	👍	👍		70	36	34	19.4	94	•	•	Ext.	•
LG LFCS27596S	77	\$2,400	👎	👍	👍	👍	👍	👍	👍		70	36	33	19.8	82	•	•		•
LG LMXS28626S	77	\$2,600	👎	👍	👍	👍	👎	👍	👍		70	36	34	18.1	93	•	•	Ext.	•
LG LRMD2306S	76	\$3,400	👎	👍	👍	👍	👎	👍	👍	•	70	36	30	14.6	92	•	•	Ext.	•
KitchenAid KRFC704FBS	76	\$4,350	👎	👎	👍	👍	👎	👍	👍	•	71	36	29	15.3	95		•	Ext.	•
LG LFXS28566S	76	\$3,000	👎	👍	👍	👍	👍	👎	👍		70	36	34	19.2	93	•	•	Ext.	•

Brand + Model	Overall Score	Price	Survey Results		Test Results					Features									
			Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Cabinet-depth model	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)	Total usable capacity (cu. ft.)	Energy cost/yr. (\$)	Energy star	Ice maker	Water dispenser	Stainless/SS-look option

FRENCH DOORS, 34-INCH AND WIDER WIDTHS *Continued*

GE Profile PWE23KMKES	76		\$2,550									70	36	30	14.7	77			Int.	
GE GWE23GENDS	75		\$2,630									71	36	30	15.2	77				
KitchenAid KRFC302ESS	74		\$3,550									73	36	28	14.3	82			Int.	
LG LMXC23796D	74		\$2,430									69	36	30	14.8	76			Ext.	
GE Profile PYD22KSLSS	74		\$3,100									70	36	28	19.4	94			Ext.	
Samsung RF23M8070SR	74		\$2,700									70	36	29	14.5	82			Ext.	
LG LMXS27626S	73		\$2,200									69	36	33	17.6	92			Ext.	
GE Profile PVD28BYNFS	73		\$3,420									70	36	35	17.8	100			Ext.	
GE GFE28GYNFS	73		\$2,725									70	36	32	19.9	94			Ext.	
Samsung RF22K9381SR	73		\$3,600									72	36	29	15.8	91			Ext.	
Samsung RF23M8570SG	73		\$3,825									70	36	29	14.3	85			Ext.	
Daewoo RFS-26ABT	72		\$1,330	—	—							70	36	34	18.9	88				
KitchenAid KRMF706EBS	72		\$4,025									70	36	34	17.1	99			Ext.	
Samsung RF28K9070SR	72		\$3,000									71	36	35	20.4	101			Ext.	
Whirlpool WRF555SDFZ	72		\$1,980									70	36	33	15.9	88			Ext.	
Insignia NS-RFD26SS9	72		\$1,400	—	—							70	36	34	20.2	81			Int.	
Samsung RF28R6201SR	72		\$2,430									70	36	34	18.8	94			Ext.	
Samsung RF23R6201SR	71		\$2,520									70	36	29	15.3	90			Ext.	
Maytag MFI2570FEZ	71		\$2,300									70	36	33	15.9	88			Ext.	
Samsung RF28R7351SG	71		\$3,150									70	36	34	18	97			Ext.	
GE GNE27JSMSS	71		\$1,800									70	36	34	21	82			Int.	
Bosch B36CT80SNS	71		\$3,100									72	36	29	12.6	74			Int.	
Samsung RF28N9780SR	71		\$3,880									72	36	34	20.1	100			Ext.	
Samsung RF265BEAESG	71		\$2,900									70	36	34	17.3	93			Ext.	
Bosch 800 Series B26FT50SNS	71		\$2,800									70	36	34	17.3	89			Ext.	
Whirlpool WRX735SDHZ	71		\$2,500									70	36	32	16	88			Ext.	
Samsung RF23J9011SR	71		\$3,255									72	36	29	16.1	88			Ext.	
Bertazzoni Professional Series REF36X	70		\$3,050	—	—							70	36	29	14.2	80				



REFRIGERATORS

Brand + Model		Overall Score	Price	Survey Results		Test Results					Features									
				Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Cabinet-depth model	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)	Total usable capacity (cu. ft.)	Energy cost/yr. (\$)	Energy star	Icemaker	Water dispenser	Stainless/SS-look option
FRENCH DOORS, 34-INCH AND WIDER WIDTHS <i>Continued</i>																				
KitchenAid KRFF305ESS		66	\$2,215	↓	↓	↑	↑	↑	↑	↓		69	36	33	17.4	79	●	●	Int.	●
Samsung RF262BEAESR		66	\$1,700	↓	↓	↑	↑	↓	↑	↓		70	36	35	16.6	84	●	●		●
Whirlpool WRF757SDHZ		65	\$2,750	↓	↓	↑	↑	↓	↓	↑		70	36	34	17.3	92	●	●	Ext.	●
Samsung RF27T5201SG		65	\$2,160	↓	↓	↑	↑	↓	↑	↓		70	36	35	18.2	91	●	●	Ext.	●
Samsung RF263BEAESR		64	\$2,050	↓	↓	↑	↑	↑	↓	↑		70	36	32	16.4	82	●	●	Ext.	●
FRENCH DOORS, 31- TO 33-INCH WIDTHS																				
✔	LG LRFCS2503S	77	\$1,900	↓	↑	↑	↑	↑	↑	↑		70	33	35	17.2	78	●	●		●
✔	Whirlpool WRF532SMHZ	75	\$2,165	↓	↓	↑	↑	↑	↑	↓		69	33	32	15.2	59	●	●		●
✔	GE GNE25JSKSS	75	\$1,710	↓	↓	↑	↑	↑	↑	↓		69	33	35	16.4	79	●	●	Int.	●
✔	GE GFE24JSKSS	74	\$2,285	↓	↓	↑	↑	↓	↑	↓		70	33	36	15.2	88	●	●	Ext.	●
	Samsung RF20HFENBSR	72	\$1,405	↓	↓	↑	↑	↓	↑	↑		71	33	31	14.8	80	●	●		●
	LG LRFXS2503S	71	\$2,700	↓	↑	↑	↑	↓	↑	↑		70	33	36	16.9	89	●	●	Ext.	●
	Samsung RF18HFENBSR	69	\$1,320	↓	↓	↑	↑	↓	↑	↑	●	70	32	27	13.9	77		●		●
	Haier HRQ16N3BGS	68	\$1,010	—	—	↑	↑	↑	↑	↓	●	71	33	27	12.5	58	●			●
	GE GWE19JSLSS	66	\$1,725	↓	↓	↑	↑	↓	↓	↓	●	70	33	28	12.2	71	●	●		●
FRENCH DOORS, 30-INCH AND NARROWER WIDTHS																				
✔	LG LFC22770ST	81	\$1,795	↓	↑	↑	↑	↑	↑	↓		68	30	33	15.4	76	●	●		●
💰	LG LFC22520S	78	\$1,300	↓	↑	↑	↑	↓	↑	↓		68	30	33	14.8	76	●	●		●
✔	GE GNE21FSKSS	75	\$1,580	↓	↓	↑	↑	↓	↑	↓		70	30	35	13.7	74	●	●		●
	KitchenAid KRFF300ESS	74	\$2,100	↓	↓	↑	↑	↓	↑	↓	●	73	36	28	14.3	82		●	Int.	●
	Samsung RF220NCTASR	66	\$880	↓	↓	↑	↑	↓	↑	↓		67	30	34	16	81		●		●
SIDE BY SIDES, 34-INCH AND WIDER WIDTHS																				
💰	LG LSXS26326S	79	\$1,300	↓	↓	↑	↑	↑	↑	↑		69	36	34	20.8	92		●	Ext.	●
✔	GE Profile PSS28KSHSS	79	\$2,160	↓	↓	↑	↑	↑	↑	↑		70	36	33	17	95		●	Ext.	●
💰	LG LSXS26366S	77	\$1,600	↓	↓	↑	↑	↑	↑	↑		70	36	33	20.9	92	●	●	Ext.	●
✔	GE Profile PSE25KSHSS	75	\$1,980	↓	↓	↑	↑	↑	↓	↑		70	36	33	16.1	83	●	●	Ext.	●
✔	KitchenAid KRSC503ESS	74	\$3,100	↓	↓	↑	↑	↓	↑	↑	●	71	36	28	16.2	88		●		●
✔	Samsung RS25J500DSR	73	\$1,100	↓	↓	↑	↑	↑	↑	↑		69	36	34	18.5	90		●	Ext.	●
✔	Kenmore Elite 51863	72	\$1,600	↓	↓	↑	↑	↑	↑	↑	●	70	36	30	16.2	78	●	●	Ext.	●
💰	Kenmore 51783	71	\$1,450	↓	↓	↑	↑	↓	↓	↑	●	69	36	29	14.6	84		●	Ext.	●
✔	Samsung RS27T5200SR	71	\$1,260	↓	↓	↑	↑	↑	↑	↑		70	36	34	17.4	94		●	Ext.	●
✔	Daewoo FRS-Y22D2T	70	\$1,165	—	—	↑	↑	↑	↑	↓		70	36	28	14.9	83		●	Ext.	●
✔	Samsung RS27T5561SR	70	\$1,980	↓	↓	↑	↑	↑	↑	↓		70	36	33	20.1	89	●	●	Ext.	●
	LG LRSES2706V	69	\$1,500	↓	↓	↑	↓	↑	↑	↑		70	36	34	20.6	87		●		

Brand + Model	Overall Score	Price	Survey Results		Test Results					Features									
			Predicted reliability	Owner satisfaction	Thermostat control	Temperature uniformity	Energy efficiency	Noise	Ease of use	Cabinet-depth model	Exterior height (in.)	Exterior width (in.)	Exterior depth (in.)	Total usable capacity (cu. ft.)	Energy cost/yr. (\$)	Energy star	Ice maker	Water dispenser	Stainless/SS-look option

SIDE BY SIDES, 34-INCH AND WIDER WIDTHS *Continued*

Whirlpool WRS586FIEM	69	\$1,800									69	36	33	18.9	83			Ext.	
Frigidaire FFSS2625TS	68	\$1,255									70	36	32	17.4	91			Ext.	
Whirlpool WRS588FIHZ	68	\$1,620									69	36	33	20.5	96			Ext.	
GE GZS22IYNFS	68	\$1,710									70	36	28	14.5	86			Ext.	
Frigidaire FGSS2635TF	67	\$1,430									70	36	34	18.5	91			Ext.	
Kenmore Elite 51773	67	\$2,000									69	36	34	21.8	95			Ext.	
GE GSS25GSHSS	67	\$1,440									70	36	33	16.3	91			Ext.	
Samsung RS22T5561SR	66	\$2,070									70	36	28	16.7	82			Ext.	
GE GSS25LSLSS	66	\$1,440									70	36	34	17.3	91				
KitchenAid KRSC703HPS	65	\$3,100									72	35	27	14	88			Ext.	
Frigidaire FGSC2335TF	64	\$1,530									70	36	29	16	87			Ext.	
Kenmore 51335	64	\$1,440									70	36	32	17.6	90			Ext.	

SIDE BY SIDES, 31- TO 33-INCH WIDTHS

GE GSS23HSHSS	71	\$1,670									70	33	33	15.2	87			Ext.	
GE GSS23GSKSS	71	\$1,460									70	33	34	14.8	87			Ext.	

BUILT-INS

Thermador Freedom Collection Professional Series T36BT920NS	82	\$9,300									84	36	25	13.3	75				
Dacor DRF427500AP	81	\$10,500	—	—							85	42	25	16.6	81			Int.	
Dacor DRF367500AP	80	\$8,500	—	—							84	36	24	14.6	71			Int.	
Jenn-Air JF42NXFXDE	79	\$9,400									83	42	26	17	82				
Jenn-Air JB36NXFXRE	78	\$7,400									83	36	26	14.9	77				
KitchenAid KBFN502ESS	78	\$9,485									83	42	26	17	82				
KitchenAid KBBR306ESS	76	\$6,900									83	36	26	14.9	77				
Miele PerfectCool KFN9955IDE	71	\$7,100									80	36	24	13.6	72				
Café CSB42WP2NS1	70	\$7,140									84	42	26	19.5	99				
Miele KFN9855IDE	69	\$5,600									80	36	25	13.7	55				
Blomberg BRFB1920SS	69	\$5,665	—	—							84	30	25	12.8	72				
Liebherr CBS2062	66	\$6,420									80	36	25	13.9	68				

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. Predicted reliability estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five

years. Owner satisfaction reflects the proportion of CR members who are extremely likely to recommend the refrigerator they bought. In cases where we have insufficient data to provide a brand-level rating, indicated by a gray dash (—), the model gets weighted

category average scores for reliability and satisfaction. Thermostat control looks at the appliance's ability to achieve and maintain a set temperature despite changes in room temperature. Temperature uniformity is based on how well a model minimizes warm

and cold spots. Energy efficiency is energy consumption per cubic foot of measured usable storage space. Noise is measured with the compressors running. Price is approximate retail.



Vacuums

The best uprights deliver the most power for deep-cleaning carpets, but canisters are easier to maneuver. Stick vacs, robotic vacuums, and handheld models offer supplemental floor-cleaning convenience.



What to Look For

- If deep-cleaning carpet is the most important task on your list, go for an upright.
- Canisters do well when cleaning drapes and upholstery, on stairs, and under furniture. They let you move the hose and wand—instead of the entire machine.
- View stick vacs, robotics,

and handheld models as maintenance cleaners; they won't replace your full-sized vacuum.

What to Skip

- No need to splurge on extra cleaning tools. Those that come standard should suffice for most household cleaning jobs.

- We recommend against bagless models if you have asthma or allergies, because emptying the bin is usually a dusty, messy chore.

What You'll Pay

Capable bagless uprights start at about \$170; figure \$200-plus for most canisters and bagged uprights.

BUYING ADVICE

Even if you plan to order online, try to go to a store first. Push, pull, turn, and lift the vacuum cleaners you're considering to get a sense of how easy they are to use.

For more buying advice, go to [CR.org/vacuums](https://www.consumerreports.org/vacuums).

Tested products in performance order.

Brand + Model	Overall Score	Price	Survey Results		Test Results							Features								
			Predicted reliability	Owner satisfaction	Carpet	Bare floors	Hose suction	Clean emissions	Handling	Pet hair	Noise	Weight (lb.)	Cord length (ft.)	Manual-pile adjust	Accepts tools	Suction control	Retractable cord	Full-bag/bin indicator	High efficiency particulate air (HEPA) filter	
BAGLESS UPRIGHT																				
✔ Shark Navigator Powered Lift-Away NV586 (Target)	78	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	16	26		•	•		•	•	
✔ Shark Rotator Lift-Away ADV DuoClean LA500 (Walmart)	77	\$300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	14	25		•	•		•	•	
✔ Shark Vertex DuoClean AZ2002	75	\$420	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	17	30		•	•		•	•	
💰 Kenmore Pet Friendly Cross-Over DU3017	75	\$180	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	17	25		•	•		•	•	
✔ Dyson Ball Animal 2	74	\$450	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	17	30		•			•	•	
💰 Kenmore Pet Friendly CrossOver 31220	74	\$250	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	18	29		•	•		•	•	
✔ Dyson Ball Multi Floor 2	74	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	16	31		•			•	•	
💰 Shark Rotator Professional Lift-Away NV501	74	\$260	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	17	30		•	•		•	•	
✔ Kenmore AllergenSeal DU2012	73	\$130	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	15	30		•	•		•	•	
✔ Shark APEX DuoClean Zero-M Powered Lift-Away AZ1002	73	\$400	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	17	30		•			•	•	
💰 Shark Navigator Lift-Away NV352	73	\$200	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	14	25		•	•		•	•	
💰 Shark Navigator Professional Lift-Away NV356E	72	\$250	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	16	30		•	•		•	•	

Brand + Model	Overall Score	Price	Survey Results	Test Results							Features								
			Predicted reliability	Owner satisfaction	Carpet	Bare floors	Hose suction	Clean emissions	Handling	Pet hair	Noise	Weight (lb.)	Cord length (ft.)	Manual-pile adjust	Accepts tools	Suction control	Retractable cord	Full-bag/bin indicator	High efficiency particulate air (HEPA) filter

BAGLESS UPRIGHT *Continued*

✓ Kenmore Elite Pet Friendly CrossOver Ultra 31230	72	\$350	↓	↓	↑	↑	↑	↑	↓	↑	↓	18	35		•	•		•	•
✓ Shark DuoClean Lift-Away Zero-M ZU881 (Target)	71	\$400	↑	↑	↓	↑	↑	↑	↓	↑	↓	17	30		•	•		•	•
💰 Shark Navigator Swivel Pro Complete NV150	70	\$160	↑	↑	↓	↑	↓	↑	↑	↑	↑	13	25		•	•		•	•

BAGGED UPRIGHT

💰 Kenmore Elite Pet Friendly 31150	77	\$350	↓	↓	↑	↑	↑	↑	↓	↑	↓	21	35	•	•	•		•	•
✓ Miele Dynamic U1 Cat & Dog	76	\$700	↓	↑	↑	↑	↑	↑	↓	↑	↑	22	40		•	•		•	
💰 Kenmore Pet Friendly 31140	74	\$280	↓	↓	↑	↑	↑	↑	↓	↑	↓	20	29	•	•	•		•	•
✓ Kirby Avalir 2	73	\$1,600	↑	↓	↑	↑	↑	↑	↓	↑	↓	23	29	•	•	•			
💰 Hoover WindTunnel Max UH30600	70	\$180	↓	↓	↑	↑	↑	↑	↓	↑	↓	17	29	•	•			•	
💰 Kenmore Intuition BU4023	69	\$200	↓	↓	↓	↑	↑	↑	↑	↑	↓	14	30		•	•		•	•

BAGLESS CANISTER

✓ Miele Blizzard CX1 Cat & Dog	77	\$900	↑	↑	↓	↑	↑	↑	↓	↑	↑	15	21	•			•	•	•
💰 Kenmore 22614	72	\$390	↓	↓	↑	↑	↑	↑	↓	↑	↓	23	24	•		•	•	•	•
✓ Rainbow SRX Cleaning System	71	\$1,300	↑	↑	↑	↓	↓	↑	↓	↑	↑	36	24			•			•
Dyson Ball Multi Floor	61	\$400	↓	↓	↓	↑	↑	↑	↓	↓	↑	17	21			•	•	•	•
Dyson Big Ball Multi Floor	56	\$400	↓	↓	↓	↑	↑	↑	↓	↑	↑	17	21			•	•	•	•
Dyson Cinetic Big Ball Animal Canister	54	\$600	↓	↓	↓	↑	↑	↑	↓	↑	↑	18	21			•	•	•	•
Sirena Total Home Cleaning System	53	\$890	—	—	↓	↑	↓	↓	↓	↑	↓	32	23	•					•

BAGGED CANISTER

✓ Miele Complete C3 Marin	84	\$1,100	↑	↑	↑	↑	↑	↑	↓	↑	↑	23	24	•		•	•	•	•
✓ Miele Complete C3 Alize	77	\$700	↑	↑	↓	↑	↑	↑	↓	↑	↑	17	24			•	•	•	•
✓ Kenmore Elite Pet Friendly UltraPlush 81714	76	\$530	↓	↓	↑	↑	↑	↑	↓	↑	↓	25	26	•			•	•	•
💰 Kenmore Pop-N-Go BC4026	76	\$280	↓	↓	↑	↑	↑	↑	↓	↑	↑	22	26	•			•	•	•
💰 Kenmore 200 Series BC4002	76	\$220	↓	↓	↑	↑	↑	↑	↓	↑	↓	19	24	•		•	•		•
✓ Kenmore Elite Pet Friendly CrossOver 21814	75	\$660	↓	↓	↑	↑	↑	↑	↓	↑	↓	26	27	•			•	•	•
💰 Kenmore Pop-N-Go UltraPlush BC4027	74	\$330	↓	↓	↑	↑	↑	↑	↓	↑	↑	21	26	•		•	•	•	•
💰 Kenmore 81614	74	\$400	↓	↓	↑	↑	↓	↑	↓	↑	↓	23	28	•			•	•	•
💰 Kenmore 200 Series 81214	73	\$260	↓	↓	↑	↑	↑	↑	↓	↑	↓	19	24	•		•	•		•
💰 Kenmore 400 Series 81414	73	\$330	↓	↓	↑	↑	↑	↓	↓	↑	↓	19	25	•			•	•	•



VACUUMS

Brand + Model	Overall Score	Price	Survey Results	Test Results						Features			
			Predicted reliability Owner satisfaction	Carpet	Bare floors	Edges	Noise	Pet hair	Clean emissions	Run time (min.)	Charge time (hr.)	Weight (lb.)	Battery type

CORDED STICK

✓ Shark APEX UpLight Lift-Away DuoClean LZ601	96	\$275	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	11	Corded model
✓ Shark APEX DuoClean Corded ZS362	94	\$250	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	10	Corded model
✓ Shark Vertex Ultralight HZ2002	88	\$260	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	9	Corded model
✓ Bissell Pet Hair Eraser Slim 2897 (Walmart)	87	\$150	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	9.3	Corded model
💰 Dirt Devil Power Stick SD12530	83	\$100	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	7.2	Corded model

CORDESS STICK*

Tineco Pure One S11	96	\$350	—	—	⬆	⬆	⬆	⬆	⬆	⬆	22	4	5.8	21.6 volt Lithium ion
Tineco Pure One S11 Tango EX	95	\$470	—	—	⬆	⬆	⬆	⬆	⬆	⬆	17	4	5.8	21.6 volt Lithium ion
Tineco Pure One S12	93	\$600	—	—	⬆	⬆	⬆	⬆	⬆	⬆	18	4	6.6	21.6 volt Lithium ion
LG A9 Kompressor	92	\$600	—	—	⬆	⬆	⬆	⬆	⬆	⬆	29	4	6	Lithium ion
LG CordZero A9 A906SM	92	\$750	—	—	⬆	⬆	⬆	⬆	⬆	⬆	21	4	5.9	25.5 volt Lithium ion (limited charge voltage 29.4)
Samsung Jet Light VS70 VS15T7031R4/AA	91	\$280	—	—	⬆	⬆	⬆	⬆	⬆	⬆	22	4	5.7	Lithium ion
Samsung Jet 90 Complete VS20R9046T3/AA	90	\$650	—	—	⬆	⬆	⬆	⬆	⬆	⬆	27	4	6.2	Lithium ion
Tineco Pure One X	88	\$230	—	—	⬆	⬆	⬆	⬆	⬆	⬆	27	4	5.2	Lithium ion
Tineco A10 Dash (Walmart)	88	\$150	—	—	⬆	⬆	⬆	⬆	⬆	⬆	19	4	4.5	Lithium ion

Brand + Model	Overall Score	Price	Survey Results	Test Results								Features					
			Predicted reliability	Carpet	Bare floors	Navigation	Pet hair	Edges	Ease of use	Noise	Data privacy	Data security	Pattern	Clearance (in.)	Wi-Fi/Cellular connectivity	Run time (min.)	
			Owner satisfaction														

ROBOTIC

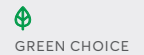
✓ iRobot Roomba S9+	83	\$950	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Grid	3.5	•	110
💰 Eufy 11S	72	\$220	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	NA	NA	Random	2.9		110
✓ iRobot Roomba i3+	72	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Grid	3.6	•	70
✓ iRobot Roomba 960	71	\$600	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	Grid	3.8	•	70

HOW WE TEST: Overall Score Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction**

reflects the proportion of CR members who are extremely likely to recommend the vacuum they bought. In cases where we have insufficient survey data, indicated by a gray dash (—), the model gets weighted category average scores for reliability and satisfaction. In our cleaning tests for

uprights and canisters, we lift embedded talc and sand from medium-pile carpet and suck up sand from bare floors. For sticks and hand vacs, cereal, rice and sand are used for bare floor and carpet pickup tests. We use fine wood flour to see whether tools and attachments can maintain airflow and also to gauge

emissions—how much dust the vacuum spews back into the air. **Noise** is based on measurements in decibels. **Handling** reflects how easy it is to push, pull, and carry the vacuum. **Pet hair** reflects how well the vacuum picks up pet hair from medium-pile carpet. **Price** is approximate retail.



Washing Machines

Today's washers tend to boast larger capacities, so you can do more laundry at once. You'll also find specialty cycles and WiFi-enabled models that provide added perks, like notifications when a load is finished.

What to Look For

- Capacity that matches your needs. Our tests found that washers with a claimed capacity over 4.5 cubic feet can fit a king-sized comforter.
- Higher spin speeds—mostly found on front-load washers—extract more water, saving time and energy
- Automatic dispensers release

detergent, bleach, and fabric softener at just the right time.

- An extra rinse cycle if you or others in your household are sensitive to detergent residue. The cycle also helps get rid of pet hair.

What You'll Pay

Capable washing machines that combine performance

and value start around \$600 or so. If space is tight, a 24-inch-wide compact model might appeal, but you'll spend \$800 to \$2,000 on a compact washer, and roughly the same on a compact dryer.

BUYING ADVICE

If your laundry area is near bedrooms or living spaces, narrow your search to machines that score Very Good or Excellent in our noise and vibration tests.

For more buying advice, go to [CR.org/washers](https://www.consumerreports.org/washers).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results						Features		
				Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration	Claimed capacity (cu. ft.)	Cycle time (min.)	Dimensions (in.)
FRONT LOADERS														
✓	LG WM9000HVA	<div><div></div><div>86</div></div>	\$1,800	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	5.2	105	41x29x35
\$	LG WM4000HWA	<div><div></div><div>86</div></div>	\$850	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	4.5	85	39x27x31
✓	LG WM3900HWA	<div><div></div><div>86</div></div>	\$1,090	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	4.5	85	39x27x31
✓	LG WM3600HWA	<div><div></div><div>86</div></div>	\$900	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	4.5	105	39x27x31
\$	LG WM3400CW	<div><div></div><div>86</div></div>	\$800	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	4.5	105	39x27x31
✓	LG Signature WM9500HKA	<div><div></div><div>85</div></div>	\$2,000	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	5.8	120	41x30x34
✓	LG WM3997HWA	<div><div></div><div>84</div></div>	\$2,000	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	4.3	100	39x27x32
✓	Speed Queen FF7005WN	<div><div></div><div>83</div></div>	\$1,900	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	3.5	75	41x27x31
✓	Speed Queen FR7002WN	<div><div></div><div>83</div></div>	\$1,800	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	3.5	75	41x27x31
✓	Speed Queen FF7005SN	<div><div></div><div>83</div></div>	\$2,130	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	3.5	75	41x27x31
✓	LG WM8100HVA	<div><div></div><div>82</div></div>	\$1,100	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	5.2	95	41x29x32
✓	LG WM4200HWA	<div><div></div><div>82</div></div>	\$1,000	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	5	105	39x27x33
✓	LG WM4500HBA	<div><div></div><div>82</div></div>	\$1,250	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	5	105	39x27x33
✓	Kenmore Elite 41982	<div><div></div><div>81</div></div>	\$1,100	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	5.2	105	41x29x35
✓	Maytag MHW6630HW	<div><div></div><div>81</div></div>	\$1,000	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	<div><div></div><div></div></div>	4.8	95	39x27x33



WASHING MACHINES

Brand + Model			Overall Score	Price	Survey Results		Test Results					Features			
					Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration	Claimed capacity (cu. ft.)	Cycle time (min.)	Dimensions (in.)
FRONT LOADERS <i>Continued</i>															
✓	Electrolux EFLS627UTT	🌿 81	\$1,080	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4.4	85	39x27x32
✓	Maytag MHW5630HW	81	\$855	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	4.5	100	39x27x32
✓	Maytag MHW8630HC	80	\$1,280	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	5	95	39x27x33
💰	Samsung WF45R6100AW	80	\$750	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	4.5	80	39x27x32
✓	Samsung WF45R6300AW	80	\$800	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	4.5	80	39x27x32
💰	Samsung WF45T6200AW	80	\$750	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	4.5	80	39x27x32
✓	Samsung FlexWash WV60M9900AV	🌿 80	\$1,400	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5	100	47x27x34
✓	Electrolux EFLS527UIW	🌿 80	\$900	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4.3	85	39x27x32
✓	Samsung WF50A8800AV	80	\$1,500	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	5	105	39x27x34
	Samsung WF45T6000AW	78	\$600	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	4.5	90	40x27x32
	Samsung WF50A8600AE	78	\$950	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	5	75	39x27x34
	Amana NFW5800HW	77	\$720	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	4.3	110	39x27x32
	Samsung FlexWash WV55M9600AW	77	\$1,375	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	5.5	95	47x27x34
TOP LOAD HE WASHERS															
✓	LG WT7900HBA	🌿 82	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	5.5	70	45x27x30
✓	LG WT7800CW	🌿 82	\$900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	5.5	70	45x27x30
💰	LG WT7100CW	81	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	4.5	75	45x27x30
💰	LG WT7060CW	81	\$695	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	4.5	75	45x27x30
	Samsung WA50R5200AW	68	\$700	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	5	65	45x28x29
	Samsung WA50R5400AW	68	\$750	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	5	65	45x28x29
	Samsung WA50T5300AC	66	\$855	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	5	65	45x27x29
	Maytag MVW7232HW	65	\$900	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	5.3	55	44x27x28
	LG WT7300CW	65	\$840	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	5	85	45x27x30
	GE GTW840CPNDG	64	\$945	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	5.2	75	46x27x27
	GE GTW840CSNWS	64	\$950	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	5.2	75	46x27x27
	Kenmore 31652	63	\$900	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	5.3	55	44x27x28
	Whirlpool WTW8120HC	63	\$1,230	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	5.3	55	43x27x28
	GE GTW500ASNWS	63	\$700	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	4.6	55	44x27x27
	Whirlpool WTW7120HW	62	\$900	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	5.3	55	44x27x28
	Whirlpool WTW5100HW	61	\$760	⬇️	⬇️	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	4.8	65	42x27x28
	Kenmore 31312	61	\$700	⬇️	⬇️	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	4.8	65	42x27x28
	GE GTW720BSNWS	61	\$765	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	4.8	70	44x27x27
	Fisher & Paykel Aqua Smart WL4027P1	61	\$1,000	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	4	60	42x27x28
	Whirlpool WTW6120HW	61	\$760	⬇️	⬇️	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	4.8	65	42x27x28
	GE GTW680BSJWS	61	\$850	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	4.6	60	44x27x27

Brand + Model		Overall Score	Price	Survey Results		Test Results						Features		
				Predicted reliability	Owner satisfaction	Washing performance	Energy efficiency	Water efficiency	Gentleness	Noise	Vibration	Claimed capacity (cu. ft.)	Cycle time (min.)	Dimensions (in.)
TOP LOAD AGITATOR														
✔	LG WT7005CW	74	\$600	—	—	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	4.3	70	45x27x29
💰	LG WT7305CW	73	\$900	—	—	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	4.8	70	45x27x29
💰	Samsung WA44A3405AW	67	\$750	—	—	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	4.4	70	44x27x29
💰	Samsung WA44A3205AW	67	\$650	—	—	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	4.4	70	44x27x29
✔	Maytag MVW8230HC	66	\$1,140	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	5.2	55	44x27x28
	Speed Queen TC5000WN (AWN632SP116TW01)	64	\$1,100	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	3.2	55	43x26x28
	Maytag MVW7230HW	64	\$900	⬇️	⬇️	⬇️	⬆️	⬇️	⬇️	⬇️	⬆️	5.2	55	44x27x28
	GE GTW465ASNWW	63	\$660	⬇️	⬇️	⬇️	⬆️	⬆️	⬇️	⬇️	⬆️	4.5	35	44x27x27
	Maytag MVW6230HW	63	\$810	⬇️	⬇️	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	4.7	65	42x27x28
	Maytag MVW6230RHW	63	\$950	⬇️	⬇️	⬆️	⬇️	⬇️	⬇️	⬇️	⬆️	4.7	65	42x27x28
	Midea MLV45N1BWW	63	\$650	—	—	⬆️	⬆️	⬇️	⬆️	⬇️	⬆️	4.5	85	46x27x29
COMPACT WASHERS														
✔	Miele WWF060WCS	🌿 83	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.3	105	34x24x25
✔	Miele WWH660WCS	🌿 83	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.3	105	34x24x25
✔	Miele WWH860WCS	🌿 83	\$2,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.3	105	34x24x25
✔	Samsung WW22N6850QX	🌿 83	\$1,300	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.2	60	34x24x27
✔	LG WM1455HWA	🌿 82	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.4	90	34x24x25
💰	Samsung WW22K6800AW	🌿 79	\$800	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.2	100	34x24x27
💰	Electrolux EFLS210TIW	78	\$900	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	2.4	110	34x24x25
✔	Bosch 800 Series WAT28402UC	🌿 76	\$1,450	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.2	60	34x24x26
✔	Bosch 500 Series WAT28401UC	🌿 76	\$1,255	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.2	60	34x24x26
✔	Bosch 300 Series WAT28400UC	🌿 76	\$1,100	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.2	60	34x24x26
	Haier QFW150SSNWW	🌿 72	\$900	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.4	100	34x26x26
	GE GFW148SSMWW	71	\$800	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	2.4	95	34x24x26
	Fisher & Paykel WH2424P1	67	\$950	—	—	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	2.4	75	34x24x26
	Fisher & Paykel WH2424F1	67	\$1,200	—	—	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	2.4	75	34x24x26
	LG WM1388HW	🌿 65	\$1,000	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬇️	2.3	75	34x24x27

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first five years. **Owner satisfaction** reflects the proportion

of CR members who are extremely likely to recommend the washing machine they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), the model receives the weighted category average scores. **Washing performance** reflects the degree of stain removal from

fabric using the most aggressive normal cycle. **Energy efficiency** is based on the energy needed to heat the water using a warm wash and cold rinse, to run the washer, and to dry the remaining moisture left at the end of a cycle. **Water efficiency** is based on total water used when washing our 8-pound load (8-pound for compacts). Models that earn lower

scores for **Gentleness** are more likely to treat your clothes roughly, causing wear and tear. **Noise** reflects panelists' judgments during the fill, wash, drain, and spin cycles. **Vibration** reflects usage on a suspended wooden floor. **Price** is approximate retail.



Washer-Dryer Pairs

Here are our picks for our 12 top-performing matching washer-dryer pairs, across all the categories we test. See our Ratings for washers (page 31) and dryers (page 6) for more options, or visit CR.org/washer-dryer-pairs for our full ratings.

FRONT LOADERS



LG
✓ **WMA9000HVA** Washer
✓ **DLEX9000V** Dryer
Price for pair: \$3,600

88



LG
✓ **WM4000HWA** Washer
✓ **DLEX4000W** Dryer
Price for pair: \$1,700

87



LG
✓ **WM4200HWA** Washer
✓ **DLEX4200W** Dryer
Price for pair: \$2,000

84



Speed Queen
✓ **FF7005WN** Washer
✓ **DF7000WE** Dryer
Price for pair: \$3,500

80

HIGH-EFFICIENCY (HE) TOP LOADERS



LG
✓ **WT7900HBA** Washer
✓ **DLEX7900BE** Dryer
Price for pair: \$2,200

84



LG
✓ **WT7100CW** Washer
✓ **DLE7100W** Dryer
Price for pair: \$1,600

83



Samsung
WA50R5400AW Washer
DVE50R5400W Dryer
Price for pair: \$1,500

70



Samsung
WA50T5300AC Washer
DVE50T5300C Dryer
Price for pair: \$1,710

69

AGITATOR TOP LOADERS



LG
✓ **WT7305CW** Washer
✓ **DLE7300WE** Dryer
Price for pair: \$1,800

78



Maytag
MVW6230HW Washer
MED6230HW Dryer
Price for pair: \$1,620

66



Midea
MLV45N1BWW Washer
MLE45N1BWW Dryer
Price for pair: \$1,300

66

COMPACT



Miele
✓ **WWH860WCS** Washer
✓ **TWI180WP** Dryer
Price for pair: \$3,900

85

HOME



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DESKTOP** PAGE 36

**COMPUTERS,
LAPTOP** PAGE 38

HEADPHONES
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**PRINTERS,
ALL-IN-ONE**
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**PRINTERS,
REGULAR** PAGE 50

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TVs PAGE 57



Computers, Desktop

Desktops typically offer more performance for the money than laptops. They can also be upgraded more easily than laptops, letting you increase power or add more features down the line.



What to Look For

- For less clutter and sleeker design, all-in-one desktops hide the computer hardware in a smaller package.
- A solid-state drive (which is faster than a traditional hard disk drive) will give you shorter load times and quick access to applications and

other data. Some desktops include an additional hard disk drive of 1TB or more for extra storage space.

What to Skip

- Upgrading beyond 16GB of memory, unless you're a big multitasker or video editor.

What You'll Pay

You can get a very good all-in-one for \$500 to \$900, but many fuller-featured models cost more than \$1,000.

BUYING ADVICE

Save money on your purchase by using coupon and forum sites such as Ebates.com, FatWallet.com, and Techbargains.com.

For more buying advice, go to [CR.org/computers](https://www.consumerreports.org/computers).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results					Features					
				Predicted reliability	Owner satisfaction	Performance	Versatility	Ergonomics	Display	Touch screen	OS	Suitable for gaming	Wireless mouse	Wireless keyboard	Memory-card reader	Blu-ray reader
FULL-SIZE DESKTOPS																
✓	Dell XPS 8930-7339BLK	81	\$1,500	⬇️	⬆️	⬆️	⬆️	⬆️	NA		Windows 10 Home	●			●	
💰	HP Envy TE01-1134	80	\$870	⬇️	⬇️	⬆️	⬆️	⬆️	NA		Windows 10 Home		●	●	●	
💰	HP Envy TE01-1114	78	\$700	⬇️	⬇️	⬆️	⬆️	⬆️	NA		Windows 10 Home		●	●	●	
✓	Dell XPS 8940-7887BLK	78	\$900	⬇️	⬆️	⬆️	⬆️	⬆️	NA		Windows 10 Home				●	
💰	Dell Inspiron 3880-5876BLK	75	\$700	⬇️	⬆️	⬆️	⬆️	⬆️	NA		Windows 10 Home				●	
	HP Pavilion TP01-2050	74	\$670	⬇️	⬇️	⬆️	⬆️	⬆️	NA		Windows 10 Home				●	
	Lenovo IdeaCentre 5i (Core i7)	74	\$800	⬇️	⬇️	⬆️	⬆️	⬆️	NA		Windows 10 Home				●	
	HP Pavilion TP01-2226	74	\$580	⬇️	⬇️	⬆️	⬆️	⬆️	NA		Windows 10 Home				●	
	Dell Inspiron 3670-5575BLK	72	\$690	⬇️	⬆️	⬆️	⬆️	⬆️	NA		Windows 10 Home				●	
	Lenovo ideacentre 5 14IMB05	71	\$550	⬇️	⬇️	⬆️	⬇️	⬆️	NA		Windows 10 Home				●	
	Lenovo IdeaCentre 5i (Core i3)	69	\$450	⬇️	⬇️	⬆️	⬆️	⬆️	NA		Windows 10 Home				●	
	Dell Inspiron 3880-3777BLK	69	\$450	⬇️	⬆️	⬇️	⬆️	⬆️	NA		Windows 10 Home				●	
	Acer Aspire TC-390-UA91	66	\$450	⬇️	⬇️	⬇️	⬆️	⬆️	NA		Windows 10 Home				●	

PHOTO: PREVIOUS PAGE: SAMSUNG

Brand + Model	Overall Score	Price	Survey Results	Test Results	Features
			Predicted reliability Owner satisfaction	Performance Versatility Ergonomics Display Touch screen	OS Suitable for gaming Wireless mouse Wireless keyboard Memory-card reader Blu-ray reader

COMPACT DESKTOPS

✔	Apple Mac Mini M1 Chip	69	\$700	🟢	🟢	🟢	🟡	🟡	NA	macOS Big Sur 11.0			
	Asus VivoMini VC66-C2	68	\$750	🟡	🟡	🟢	🟡	🟢	NA	Windows 10 Home			●
	Apple Mac Mini Core i5	66	\$1,100	🟢	🟢	🟢	🟡	🟡	NA	macOS Mojave 10.14			
	Lenovo ideacentre 3 07ADA05	55	\$300	🟡	🟡	🔴	🟢	🟢	NA	Windows 10 Home			●
	HP Slim S01-aF1006	47	\$400	🟡	🟡	🔴	🟡	🟢	NA	Windows 10 Home			●

ALL-IN-ONE DESKTOPS

✓	Apple 27-inch iMac (Core i7, 2020)	84	\$2,300	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️		macOS Catalina 10.15	●	●	●	●
✓	HP Envy 32-a0014	82	\$2,000	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️		Windows 10 Home	●	●	●	●
💰	Dell Inspiron 5400-5866SLV	81	\$850	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
✓	Apple 27-inch iMac (256GB, Core i5, 2020)	81	\$1,800	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️		macOS Catalina 10.15	●	●	●	●
✓	Dell Inspiron 7700-7740SLV	80	\$1,300	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
✓	HP Pavilion 27-d0044	79	\$1,400	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
✓	Apple 24-inch iMac (M1 Chip)	78	\$1,300	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️		macOS Big Sur 11.4		●	●	
✓	Dell Inspiron 7790-7012SLV	75	\$1,200	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
	HP Pavilion 27-dp1387c	74	\$1,000	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
	Lenovo IdeaCentre A540	74	\$700	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
	HP Pavilion 24-k0024	73	\$900	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
	HP 24-df1270	70	\$820	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	●	Windows 10 Home				●
	Lenovo ideacentre AIO 3 27IMB05	68	\$700	⬇️	⬇️	🔻	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
	HP Pavilion 24-xa0024	68	\$1,000	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
	HP 24-dp0014	67	\$800	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	●	Windows 10 Home		●	●	●
	Lenovo ideacentre AIO 3i	61	\$410	⬇️	⬇️	🔻	⬆️	⬆️	⬆️		Windows 10 Home				●

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** is based on estimated problem rates for newly purchased desktop computers, not under service contract,

within the first three years of ownership. **Owner satisfaction** scores are based on the proportion of members who are extremely likely to recommend their desktop computer brand to their friends and family. **Performance** reflects speed while

running productivity applications, multimedia applications, and 3D games. **Versatility** includes hardware, such as memory-card slots and A/V connections; software, such as security programs; and tech support and warranty provisions. **Ergonomics**

represents the quality of the keyboard and pointing device, and accessibility of features. For all-in-ones, **display** covers display size, clarity, color, contrast, brightness, and glare. **Price** is approximate retail.



Computers, Laptop

Some laptops offer features and capabilities that rival those of traditional desktops. You'll find more thin-and-light laptops than ever, and touch screens and solid-state drives are becoming more common.



What to Look For

- A convertible or detachable model if you want a laptop/tablet combo.
- A 10- to 13-inch model if you plan to carry the laptop around with you frequently.
- A 14- to 16-inch screen for a larger area to view photos or videos and a more comfortable keyboard fit.

- A 17- to 18-inch model for an entertainment-oriented desktop replacement.

What to Skip

- A 4K display, unless you regularly edit hi-res photos or videos. These displays pack four times as many pixels as a 1080p display but typically at the cost of battery life.

What You'll Pay

A well-equipped 15-inch laptop in the middle price range should cost you \$600 to \$1,000.

BUYING ADVICE

If you want to customize a model, order à la carte from the manufacturer's website.

For more buying advice, go to [CR.org/computers](https://www.consumerreports.org/computers).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results					Features + Specs						
				Predicted reliability	Owner satisfaction	Portability	Performance	Display	Ergonomics	Versatility	Battery Life - web (hr.)	Battery Life - video (hr.)	Weight (lb.)	2-in-1	Display size (in.)	Touch screen	Processor
17- TO 18-INCH LAPTOPS																	
✓	LG Gram 17 (2021)	88	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	18	9.75	2.9	—	17		Intel
✓	LG Gram 17 (2020)	82	\$1,350	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	16.75	8	3	—	17		Intel
✓	Dell G7 17 (2020)	73	\$1,700	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	10.5	7	6.6	—	17.3		Intel
✓	MSI GE75 Raider	72	\$1,350	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	5	3.5	5.8	—	17.3		Intel
	HP 17-BY4623DX	64	\$630	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️	⬆️	7.75	4.75	5.1	—	17.3		Intel
	HP 17-CP0025CL	63	\$600	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	8.25	6.5	4.9	—	17.3	●	AMD
	HP 17-CP0076NR	56	\$540	⬇️	⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	8.5	5	4.7	—	17.3	●	AMD
15- TO 16-INCH LAPTOPS																	
✓	LG Gram 15 (2021)	87	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	17.75	9.75	2.5	—	15.6	●	Intel
✓	Apple MacBook Pro 16-inch	85	\$2,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15.75	9	4.3	—	16		Intel
✓	Samsung Galaxy Book Pro 360	83	\$1,350	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	16.25	12	3	C	15.6	●	Intel
💰	LG Gram 16 (2021)	81	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	19.75	10.75	2.6	—	16		Intel

✔	MSI Modern 15 A11SB-059	76	\$1,400	🟡	🟡	🟢	🟢	🟢	🟢	🟢	10.5	6.25	3.5	—	15.6		Intel
💰	HP Omen 15-EN0013DX	74	\$1,180	🟡	🟡	🟢	🟢	🟢	🟢	🟢	9.75	5.25	4.7	—	15.6		AMD
💰	Lenovo IdeaPad 5 15ITL05	73	\$550	🟡	🟡	🟢	🟢	🟢	🟢	🟢	14.5	8.75	3.6	—	15.6		Intel
💰	Lenovo Legion 5 15IMH05H	71	\$1,100	🟡	🟡	🟡	🟢	🟢	🟢	🟢	9	6.25	5.2	—	15.6		Intel
✔	Microsoft Surface Laptop 4	70	\$1,300	🟡	🟢	🟢	🟢	🟢	🟢	🟢	12.25	6.5	3.5	—	15	●	AMD
💰	Lenovo Yoga C740-15	70	\$1,000	🟡	🟡	🟢	🟢	🟢	🟢	🟢	14.75	10.5	4.1	C	15.6	●	Intel
💰	HP Pavilion Gaming 16-A0032DX	69	\$980	🟡	🟡	🟡	🟢	🟢	🟢	🟢	7.25	4.5	4.9	—	16.1		Intel
✔	Dell Inspiron i7500-7357SLV	69	\$1,040	🟡	🟡	🟢	🟢	🟢	🟢	🟢	12	8.25	4	C	15.6	●	Intel
✔	Microsoft Surface Laptop 3 (15-inch)	69	\$1,100	🟡	🟢	🟢	🟢	🟢	🟢	🟢	10.25	6	3.4	—	15	●	AMD
✔	Lenovo Flex 5 15IIL05	67	\$970	🟡	🟡	🟢	🟢	🟢	🟢	🟢	10	6.25	4.1	C	15.6	●	Intel
💰	HP Envy 15m-ed1013dx	67	\$880	🟡	🟡	🟢	🟢	🟢	🟢	🟢	11	6	4.2	C	15.6	●	Intel
💰	Asus F512FL-BQ076T	66	\$750	🟡	🟡	🟢	🟢	🟢	🟢	🟢	8	5.75	3.7	—	15.6		Intel
✔	Asus ROG Strix G15 G512LI-BI7N10	65	\$900	🟡	🟡	🟡	🟢	🟢	🟢	🟢	8	4.75	5	—	15.6		Intel
✔	Asus VivoBook S512FL-PH77	65	\$820	🟡	🟡	🟡	🟢	🟢	🟢	🟢	7	5	3.8	—	15.6		Intel
✔	Razer Blade 15 (2020)	65	\$1,240	🔴	🔴	🟡	🟢	🟢	🟢	🟢	5.5	4.5	4.6	—	15.6		Intel
	Acer Aspire 5 A515-56-363A	64	\$450	🟡	🟡	🟢	🟢	🟢	🟢	🟢	10.5	5.5	3.7	—	15.6		Intel
	Gateway Ultra Slim Notebook 15"	63	\$430	🟡	🟡	🟢	🟡	🟢	🟢	🟢	10.5	6.5	4.3	—	15.6		Intel
	Dell Inspiron i3593-7644BLK	62	\$800	🟡	🟡	🟢	🟢	🔴	🟢	🟢	9.5	6	4.2	—	15.6	●	Intel
	Lenovo IdeaPad 3 15IIL05	59	\$480	🟡	🟡	🟢	🟡	🔴	🟢	🟢	9.25	4.75	3.6	—	15.6	●	Intel
	Dell Inspiron i3505-A665BLK	58	\$680	🟡	🟡	🟡	🟡	🟢	🟢	🟢	8	4.5	4	—	15.6		AMD
	HP 15-DY1024WWM	54	\$430	🟡	🟡	🟢	🟡	🔴	🟢	🟡	9.25	5.5	3.5	—	15.6		Intel

✔️ LG Gram 14 (2021)	79	\$1,050	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	26.75	10.75	2.2	—	14		Intel
✔️ LG Gram 14 (2020)	77	\$950	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	19.5	9	2.2	—	14		Intel
✔️ Lenovo Yoga 7 14ITL5	72	\$1,250	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	12	7.25	3.2	C	14	●	Intel
✔️ Asus ROG Zephyrus GA401QM-211. ZG14	72	\$1,350	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️	15.5	8.25	3.7	—	14		AMD
✔️ Asus ZenBook S UX392FN-XS71	70	\$1,480	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	14	8.75	2.6	—	13.9		Intel
✔️ MSI Modern 14 B10RASW-078	69	\$890	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	7.75	6.5	2.8	—	14		Intel
✔️ Asus ROG Zephyrus G14	68	\$1,400	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	10.5	6	3.7	—	14		AMD
✔️ Dell Inspiron i7415-A143BLU	68	\$1,000	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	12.75	7.75	3.4	C	14	●	AMD
✔️ Lenovo Yoga C940-14	67	\$1,060	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	9.5	6.25	3.1	C	14	●	Intel



COMPUTERS, LAPTOP

Brand + Model	Overall Score	Price	Survey Results		Test Results					Features + Specs						
			Predicted reliability	Owner satisfaction	Portability	Performance	Display	Ergonomics	Versatility	Battery Life - web (hr.)	Battery Life - video (hr.)	Weight (lb.)	2-in-1	Display size (in.)	Touch screen	Processor

14-INCH LAPTOPS *Continued*

💰 Lenovo Yoga C740-14	66	\$630	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	13.5	9	3	C	14	●	Intel
✅ Asus ZenBook Duo UX481FA-DB71T	65	\$1,100	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	21.25	12.25	3.6	—	14	●	Intel
Lenovo Flex 14IML	64	\$620	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.25	7.25	3.4	C	14	●	Intel
Acer Spin 3 SP314-54N-58Q7	64	\$600	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.75	7	3.3	C	14	●	Intel
Asus VivoBook S433FA-DS51	64	\$700	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.75	8.75	3.1	—	14		Intel
Asus ZenBook UX431FL-EH74	63	\$890	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	9	7	3.4	—	14		Intel
Dell Inspiron i7405-A388TUP	63	\$650	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10	6.25	3.3	C	14	●	AMD
Acer Spin 3 SP314-54N-53BF	62	\$860	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10.5	6.25	3.4	C	14	●	Intel
HP Pavilion 14M-DW0023DX x360	60	\$660	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	8.5	5.75	3.6	C	14	●	Intel
HP 14-DQ2033CL	60	\$450	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.75	6.75	3	—	14		Intel
Lenovo ThinkPad E14	59	\$840	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	9	6.75	3.6	—	14		Intel
HP 14 Digi Camo	58	\$400	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	9.5	5.25	3	—	14		Intel
Gateway Ultra Slim Notebook 14"	54	\$300	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	10	5.5	3.5	—	14.1		Intel
HP 14-DK1013DX	52	\$330	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	11.5	6.75	3.1	—	14		AMD
Asus E410MA-202.PINK	51	\$260	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	14.75	9.25	3.1	—	14		Intel
HP 14S-FQ0013DX	51	\$330	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	9.75	5.75	3	—	14		AMD
HP 14-DQ0001DX	42	\$220	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	14.25	8.75	2.9	—	14		Intel
Hyundai Thinnote-A 14	35	\$230	—	—	⬆️	⬆️	⬆️	⬆️	⬆️	10.75	8	2.8	—	14.1		Intel

12- TO 13-INCH LAPTOPS

✅ Apple MacBook Pro 13-Inch (2020, M1)	81	\$1,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	17.5	15	3	—	13.3		Apple
💰 Apple MacBook Air 13-Inch (2020, M1)	81	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.5	10.75	2.8	—	13.3		Apple
💰 Samsung Galaxy Book Flex2 Alpha	77	\$900	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	14	8.75	2.5	C	13.3	●	Intel
✅ Apple MacBook Pro 13-inch with Touch Bar (2020)	75	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.25	6.75	3.1	—	13.3		Intel
✅ Microsoft Surface Laptop 4 (Core i5)	74	\$1,300	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	16.75	8.25	2.8	—	13.5	●	Intel
✅ Asus ZenBook Flip UX363EA-IH74T	74	\$1,150	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15.5	11	2.7	C	13.3	●	Intel
💰 Apple MacBook Air 13-inch (2020)	74	\$950	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	12.75	7	2.8	—	13.3		Intel
✅ Dell XPS 13 (2021)	72	\$1,600	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	17.25	9	2.8	—	13.4	●	Intel
💰 Asus ZenBook UX325EA-DS51	72	\$750	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	18.75	8.5	2.6	—	13.3		Intel
✅ Dell Inspiron i5310-7916SLV	71	\$1,100	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15.5	7.75	2.7	—	13.3		Intel
✅ Microsoft Surface Laptop 3 (13-inch)	71	\$950	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	13.5	7	2.8	—	13.5	●	Intel
✅ Microsoft Surface Laptop 4 (Ryzen 5)	70	\$1,000	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	15.25	5	2.8	—	13.5	●	AMD

✔ Samsung Galaxy Book S	69	\$950	🟡	🟡	🟢	🔴	🟢	🟢	🟢	14.75	8.75	2.1	—	13.3	●	Intel
💰 Dell Inspiron i7300-5395SLV	68	\$830	🟡	🟡	🟢	🟡	🟢	🟡	🟢	16.25	9.5	2.7	C	13.3	●	Intel
💰 Microsoft Surface Pro X (128GB)	66	\$800	🟡	🟢	🟢	🔴	🟢	🟢	🟢	11	8.5	2.4	D	13	●	Microsoft
✔ Microsoft Surface Pro X (256GB)	65	\$1,200	🟡	🟢	🟢	🔴	🟢	🟢	🟢	10.5	8	2.4	D	13	●	Microsoft
✔ Microsoft Surface Pro 7 (Core i5)	65	\$770	🟡	🟢	🟢	🟢	🟢	🟢	🟢	10.5	5.5	2.4	D	12.3	●	Intel
Razer Blade Stealth	64	\$1,320	🔴	🔴	🟢	🟢	🟢	🟢	🟢	11.25	7.5	3.1	—	13.3		Intel
HP Envy 13-AQ1013DX	64	\$850	🟡	🟡	🟢	🟢	🟢	🟡	🟢	11.25	5.75	2.8	—	13.3	●	Intel
Microsoft Surface Laptop Go (64GB)	62	\$550	🟡	🟢	🟢	🟡	🟢	🟢	🟡	11.75	6.25	2.5	—	12.4	●	Intel
HP Pavilion 13-BB0010NR	61	\$760	🟡	🟡	🟡	🟢	🟢	🟢	🟢	10	5.25	2.8	—	13.3		Intel
Microsoft Surface Book 3	61	\$1,500	🟡	🟢	🟡	🟡	🟢	🟢	🟢	9.5	7	3.4	D	13.5	●	Intel
Microsoft Surface Pro 7 (Core i3)	61	\$700	🟡	🟢	🟡	🟡	🟢	🟢	🟢	9.75	5	2.4	D	12.3	●	Intel
Microsoft Surface Laptop Go (128GB)	59	\$700	🟡	🟢	🟡	🟡	🟢	🟢	🟢	11	4.25	2.5	—	12.4	●	Intel

✓ Microsoft Surface Go 2	54	\$530	🟡	🟢	🟢	🔴	🟢	🔴	🟡	12	6.75	1.7	D	10.5	●	Intel
HP Stream 11-AK0012DX	50	\$250	🟡	🟡	🟢	🔴	🔴	🟡	🟡	15	8.75	2.3	—	11.6		Intel
Asus VivoBook L203MA-DS04	42	\$270	🟡	🟡	🟢	🔴	🔴	🟡	🟡	13.75	8	2.2	—	11.6		Intel
Gateway Ultra Slim Notebook 11"	21	\$300	🟡	🟡	🔴	🔴	🟢	🔴	🟡	5.5	3	2	—	11.6		AMD

is the time it takes to deplete a fully charged battery while the laptop loops a 4K video, Bluetooth and 3G/4G are disabled and the screen is set to a specific brightness that is usable indoors or outdoors. **Weight (lb.)** of the laptop as you would carry it around, including the battery but without the power adapter or a removable CD/DVD drive. Detachable laptops include the weight of the keyboard. **Price** is approximate retail.



Headphones

Headphones come in all sizes and types, from tiny earbuds to big, over-the-ear DJ-style models. They're indispensable for listening to music on the go or for watching videos on a tablet, laptop, or smartphone.



What to Look For

- Clear, accurate sound and sufficient volume.
- A comfortable fit.
- An isolating design that physically blocks sound or headphones with active noise-canceling technology if you don't want to be disturbed by outside noise.
- Wireless headphones

if you don't want cords tangling or flapping.

- A model that doubles as a headset if you want the ability to answer or place calls without using your phone.

What to Skip

- Paying a high price just to get a big-brand name.

What You'll Pay

You can find decent earbuds for as little as \$20. Decent over-ear and on-ear models start around \$50 but can cost \$100 or more. Expect to pay more for wireless connectivity and active noise-cancellation.

BUYING ADVICE

If you want the best sound, especially for serious music listening, we recommend one of the top-rated corded models in our ratings.

For more buying advice, go to [CR.org/headphones](https://www.consumerreports.org/headphones).

Tested products in performance order.

Brand + Model	Overall Score	Price	Survey Results		Test Results		Features		
			Predicted reliability	Owner satisfaction	Sound quality	Noise reduction	Sensitivity	Type	Design
PORTABLE NOISE-CANCELING HEADPHONES									
✔ Bose QuietComfort 20	77	\$250	⬆️	⬆️	⬆️	⬆️	Medium high/Medium	Earbud with ear bowl support ear pieces, removable shirt clip	Isolating
WIRELESS PORTABLE NOISE-CANCELING HEADPHONES									
💰 Sony WF-1000XM3	87	\$200	⬆️	⬆️	⬆️	⬆️	NA	Ear-insert	Isolating
✔ Bose QuietComfort Earbuds	77	\$280	⬆️	⬆️	⬆️	⬆️	NA	Earbud with ear bowl support ear pieces	Isolating
✔ Master & Dynamic MW07 PLUS	75	\$300	—	—	⬆️	⬆️	NA	Ear-insert with removable ear bowl supports	Isolating
✔ Apple AirPods Pro	74	\$225	⬆️	⬆️	⬆️	⬆️	NA	Ear-insert	Isolating
✔ Sennheiser MOMENTUM True Wireless 2	73	\$250	⬆️	⬆️	⬆️	⬆️	NA	Ear-insert	Isolating
💰 Sony WF-SP700N	72	\$180	⬆️	⬆️	⬆️	⬆️	NA	Ear-insert with removable ear bowl supports	Isolating
💰 1MORE ComfoBuds Pro	72	\$110	—	—	⬆️	⬆️	NA	Ear-insert	Isolating
💰 JBL CLUB PRO+ TWS	72	\$200	⬇️	⬇️	⬆️	⬆️	NA	Ear-insert	Isolating
✔ House of Marley Redemption ANC	70	\$200	—	—	⬆️	⬆️	NA	Ear-insert with removable ear bowl supports	Isolating
✔ Samsung Galaxy Buds Pro	69	\$150	⬆️	⬇️	⬆️	⬆️	NA	Ear-insert	Isolating
✔ Jabra Elite 85t	69	\$180	⬇️	⬆️	⬆️	⬆️	NA	Ear-insert	Isolating

Brand + Model	Overall Score	Price	Survey Results		Test Results		Features		
			Predicted reliability	Owner satisfaction	Sound quality	Noise reduction	Sensitivity	Type	Design

WIRELESS PORTABLE NOISE-CANCELING HEADPHONES *Continued*

Cleer Ally Plusw	69	\$100	—	—			NA	Ear-insert	Isolating
JBL Reflect Mini NC	68	\$150					NA	Ear-insert with ear bowl support ear pieces	Isolating
Plantronics BackBeat GO 410	67	\$50					Medium high	Earbud with open-front neck collar, ear bowl support ear pieces	Isolating
Monoprice M-TWE True Wireless Earbuds	67	\$80					NA	Ear-insert	Isolating

WIRELESS NOISE-CANCELING HOME/STUDIO STYLE HEADPHONES

Bose QuietComfort 35 Series II	88	\$300					Medium/Medium	Over-ear with headband	Closed
Bose Noise Cancelling Headphones 700	88	\$380					Low/Medium	Over-ear with headband	Closed
Sennheiser PXC 550-II	87	\$160					Medium high/Medium high	Over-ear with headband	Closed
Apple AirPods Max	81	\$520					Medium/Medium	Over ear with headband	Closed
Shure AONIC 50	78	\$300	—	—			Medium high/Medium high/Medium high	Over-ear with headband	Closed
Bang & Olufsen Beoplay HX	78	\$500					Medium high/Medium high	Over-ear with headband	Closed
Sony WH-1000XM4	77	\$350					High/Medium high	Over-ear with headband	Closed
Sony WH-H910N	77	\$200					Medium high/Medium high/Medium high	Over-ear with headband	Closed
Sony WH-1000XM3	77	\$235					High/high/medium high	Over-ear with headband	Closed
Microsoft Surface Headphone 2	74	\$250	—	—			Medium/Medium high	Over-ear with headband	Closed
beats by dre Beats Studio3 Wireless	74	\$350					Medium	Over-ear with headband	Closed
Monoprice BT-300ANC	74	\$45					Medium high/Medium	Over-ear with headband	Closed
Anker SoundCore Life Q20	73	\$50					Medium/Medium high	Over-ear with headband	Closed
Razer Opus	73	\$200	—	—			Low/Low	Over-ear with headband	Closed
Beats by Dr. Dre Solo Pro	72	\$300					NA	On-ear with headband	Closed
Marshall Monitor II A.N.C.	71	\$320	—	—			Medium high/Medium high	Over-ear with headband	Closed
Puro Sound Labs PuroPro	71	\$200	—	—			Medium/Medium loud/Very low	Over-ear with headband	Closed
JBL Tune 660NC	71	\$100					Medium/Medium/ Medium high	On-ear with headband	Closed
JBL LIVE 650BTNC	70	\$130					Medium/Medium	Over-ear with headband	Closed
Bowers & Wilkins PX7	69	\$400	—	—			Low/Low	Over-ear with headband	Closed
Beyerdynamic Lagoon ANC Traveler	68	\$220	—	—			Low/Low	Over-ear with headband	Closed

PORTABLE STEREO HEADPHONES

1MORE E1001 Triple Driver	82	\$70					Medium	Ear-insert with removable shirt clip	Isolating
1MORE Quad Driver	82	\$135					Medium high	Ear-insert with removable shirt clip	Isolating



HEADPHONES

Brand + Model	Overall Score	Price	Survey Results		Test Results		Features	Type	Design
			Predicted reliability	Owner satisfaction	Sound quality	Noise reduction			

PORTABLE STEREO HEADPHONES *Continued*

✓ Westone AM PRO 20	69	\$330	—	—	⬆		Very high	Ear-insert with ear hooks	Non-isolating
💰 Shure SE112	69	\$50	⬇	⬇	⬆		Very high	Ear-insert	Isolating
Panasonic RP-TCM125	63	\$15	⬇	⬇	⬆		Medium high	Ear-insert	Isolating
UrbanEars Sumpan	61	\$30	—	—	⬇		Medium high	Earbud	Non-isolating

WIRELESS PORTABLE STEREO HEADPHONES

💰 Samsung Galaxy Buds	83	\$130	⬆	⬆	⬆		NA	Ear-insert with removable ear bowl supports	Isolating
💰 Bose SoundSport Wireless	76	\$130	⬆	⬆	⬆		NA	Earbud with ear bowl support ear pieces, removable shirt clip	Isolating
✓ Audio-Technica ATH-SPORT90BTBK SonicSport	74	\$160	⬆	⬆	⬆		NA	Ear-insert with removable ear bowl supports	Isolating
✓ Grado GT220	74	\$260	⬆	⬆	⬆		NA	Ear-insert	Isolating
💰 Sennheiser CX 350BT	73	\$70	⬆	⬆	⬆		NA	Ear-insert	Isolating
💰 Sennheiser CX 150BT	73	\$50	⬆	⬆	⬆		NA	Ear-insert	Isolating
✓ Microsoft Surface Earbuds	72	\$200	—	—	⬆		NA	Earbud	Non-isolating
💰 Anker SoundCore Liberty Air	72	\$60	⬇	⬇	⬆		NA	Ear-insert	Isolating
✓ JBL UA Project Rock True Wireless X	71	\$200	⬇	⬇	⬆		NA	Ear-insert with removable ear bowl supports	Isolating
💰 Jabra Elite Active 65t	71	\$60	⬇	⬆	⬆		NA	Ear-insert	Isolating
💰 JLab Audio JBuds Air	70	\$50	⬇	⬇	⬆		NA	Ear-insert with ear bowl supports	Isolating
✓ JLab Audio Epic Air	70	\$90	⬇	⬇	⬆		NA	Ear-insert with ear hooks	Isolating
✓ Samsung Galaxy Buds+	70	\$100	⬆	⬆	⬆		NA	Ear-insert with removable ear bowl supports	Isolating
💰 1MORE Triple Driver BT	70	\$55	⬇	⬆	⬆		NA	Ear-insert with open-front neck collar	Isolating
💰 1MORE PistonBuds	70	\$35	⬇	⬆	⬆		NA	Ear-insert	Isolating
✓ Shure AONIC 215	69	\$150	⬇	⬇	⬆		NA	Ear-insert with ear hooks	Isolating
💰 MEE audio X10	69	\$80	—	—	⬆		NA	Ear-insert	Isolating
✓ Bang & Olufsen Beoplay E8 Sport	69	\$350	⬇	⬇	⬆		NA	Ear-insert with removable ear bowl supports	Isolating
✓ Klipsch T5 II True Wireless	68	\$200	⬇	⬇	⬆		NA	Ear-insert	Isolating
✓ Google Pixel Buds 2	68	\$180	—	—	⬆		NA	Ear-insert with ear bowl supports	Isolating
💰 Monoprice True Wireless Earphones IPX4	68	\$20	⬇	⬇	⬆		NA	Ear-insert	Isolating
✓ Bose Sport Open Earbuds	68	\$200	⬆	⬆	⬆		NA	Earbud with ear hooks	Non-isolating
✓ Anker SoundCore Liberty 2 Pro	68	\$100	⬇	⬇	⬆		NA	Ear-insert with removable ear bowl supports	Isolating
💰 Anker SoundCore Liberty Air X	68	\$40	⬇	⬇	⬆		NA	Ear-insert	Isolating
💰 Anker SoundCore Spirit x2	68	\$80	⬇	⬇	⬆		NA	Ear-insert with ear hooks, removable ear bowl supports	Isolating

Brand + Model	Overall Score	Price	Survey Results		Test Results		Features		
			Predicted reliability	Owner satisfaction	Sound quality	Noise reduction	Sensitivity	Type	Design

WIRELESS PORTABLE STEREO HEADPHONES *Continued*

JBL LIVE 300TWS	67	\$150					NA	Ear-insert with removable ear bowl supports	Isolating
Jaybird Vista	66	\$150					NA	Ear-insert with removable ear bowl supports	Isolating
Sony WFXB700	66	\$130					NA	Ear-insert	Isolating
1MORE Stylish True Wireless	66	\$70					NA	Ear-insert with removable ear bowl supports	Isolating
V-Moda Forza Metallo Wireless	66	\$130	—	—			NA	Ear-insert with open-front neck collar, removable ear bowl supports	Isolating
JVC HA-FX9BT Gummy Wireless	65	\$20					NA	Ear-insert	Isolating
House of Marley Smile Jamaica BT	64	\$50	—	—			NA	Ear-insert with open-front neck collar	Isolating
Bose Sport Earbuds	64	\$180					NA	Earbud with ear bowl support ear pieces	Isolating
LG TONE Free HBS-FN6	64	\$80					NA	Ear-insert	Isolating
Apple Powerbeats Pro	63	\$180					NA	Ear-insert with ear hooks	Isolating
JBL Endurance DIVE	63	\$90					NA	Ear-insert with ear hooks, neck strap, removable ear bowl supports	Isolating
JBL Tune 220TWS	63	\$100					NA	Earbud	Non-isolating
JBL Endurance SPRINT	63	\$40					NA	Ear-insert with ear hooks, removable ear bowl supports	Isolating

WIRELESS HOME/STUDIO STYLE STEREO HEADPHONES

Grado GW100	78	\$250					Medium high	On-ear with headband	Open air
Bose SoundLink around-ear headphones II	72	\$230					Medium high	Over-ear with headband	Closed
V-Moda Crossfade 2 Wireless	70	\$280	—	—			Medium high	Over-ear with headband	Closed
Sennheiser HD 250BT	69	\$70					NA	On-ear with headband	Closed
JBL Tune 510BT	67	\$50					NA	On-ear with headband	Closed
Jabra Move Style Edition	67	\$100					Medium	On-ear with headband	Closed

HOME/STUDIO STYLE STEREO HEADPHONES

Shure SRH1440	77	\$300					Low	Over-ear with headband	Open air
Sony MDR-1AM2	75	\$300					High	Over-ear with headband	Closed
Audio-Technica ATH-M50x	74	\$150					Medium	Over-ear with headband	Closed

HOW WE TEST: Overall Score is based on the performance of the product in all of our tests. Predicted reliability is based on estimated problem rates for newly purchased headphones, not under service contract, within the first two years of ownership. Owner satisfaction icons are based on

the proportion of members who are extremely likely to recommend their headphones brand to their friends and family. Models with a dash (—) indicate that we have insufficient data for the brand, and these models get the category average score. Sound quality represents the tonal accuracy, clarity,

detail, ambience, and dynamics of the audio reproduced by the headphones. Sensitivity assesses how loudly wire-connected headphones will play for a given audio input signal level; for wireless models, we judge sensitivity using the optional wired connection. Some have two sensitivity levels given;

one with the highest selectable setting or noise reduction switch ON and the other with the lowest selectable setting or noise-reduction switch OFF. (Not applicable for wireless headphones that lack a cord connection option.) An isolating design blocks some outside noise. Price is approximate retail.



Printers, All-in-One

All-in-ones are by far the most popular type of printer on the market. The reason? They let you not only print but also copy, scan, and, in some models, fax.



What to Look For

- Low ink replacement costs (ink cost per year).
- An all-in-one color inkjet if you want color printing and a versatile machine that excels at printing your photos, scans, and other functions.
- A black-and-white laser all-in-one for high reliability, excellent text quality, fast

print speed, and a low cost per page—provided you don't need to print in color.

What to Skip

- An inkjet with a single cartridge for color inks, because separate color cartridges may be more economical, depending on what you print.

■ High replacement ink costs. You can compare using our ink costs per year spec.

What You'll Pay

Laser models start at about \$100. Inkjet all-in-ones cost \$35 and up. If you print frequently, the ink cost can be an even more significant consideration.

BUYING ADVICE

Today, most printers come with built-in WiFi that enables you to print documents and photos from computers and mobile devices on a home network.

For more buying advice, go to [CR.org/printers](https://www.consumerreports.org/printers).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results						Features + Specs							
				Predicted reliability	Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Scan quality	Ink cost/year (\$)	Text speed (ppm)	Text cost (cents)	Graphics cost (cents)	8x10 photo cost (\$)	Maximum paper size	Auto-duplex printing	Automatic document feeder
ALL-IN-ONE BLACK AND WHITE LASER PRINTERS																			
✓	Brother MFC-L5700DW	78		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	6	23.1	1.6	4.4	NA	8.5x14	●	●
✓	Brother DCP-L5500DN	78		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	6	23.1	1.6	4.4	NA	8.5x14	●	●
✓	Brother MFC-L2750DW	78		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	11	14.3	2.8	9.8	NA	8.5x14	●	●
✓	Canon imageCLASS MF269dw	78		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	5	27.3	1.2	11	NA	8.5x14	●	●
✓	Canon imageClass MF267dw	77		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	10	20	2.5	7.5	NA	8.5x14	●	●
💰	Brother HL-L2395DW	77		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	16	18.8	3.9	14.4	NA	8.5x14	●	
💰	Canon imageCLASS MF264dw	77		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	13	20	3.3	9.3	NA	8.5x14	●	●
💰	Brother MFC-L2690DW	76		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	16	16.7	3.9	17.7	NA	8.5x14	●	●
💰	Brother MFC-L2710DW	76		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	9	16.7	2.2	13.1	NA	8.5x14	●	●
✓	Canon ImageCLASS D1620	76		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	15	13	3.7	6.4	NA	8.5x14	●	●
✓	Brother MFC-L2720DW	76		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	11	18.8	2.7	9	NA	8.5x14	●	●
	HP LaserJet MFP M234dwe	74		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	18	20	4.5	12.5	NA	8.5x14	●	
	Canon imageCLASS MF232w	73		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	14	15.8	3.7	8	NA	8.5x14		
	Canon imageCLASS MF236n	73		⬆	⬆	⬆	⬆	⬇	NA	⬆	⬆	14	17.6	3.5	7	NA	8.5x14		●

Brand + Model	Overall Score	Price	Survey Results	Test Results							Features + Specs							
			Predicted reliability	Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Scan quality	Ink cost/year (\$)	Text speed (ppm)	Text cost (cents)	Graphics cost (cents)	8x10 photo cost (\$)	Maximum paper size	Auto-duplex printing	Automatic document feeder

ALL-IN-ONE BLACK AND WHITE LASER PRINTERS *Continued*

Brother DCP-L2550DW	72	\$185						NA			15	17.6	3.8	14.2	NA	8.5x14		
HP Laserjet Pro M28W	71	\$130						NA			22	14.3	5.7	12.9	NA	8.5x14		
HP Laserjet Pro M29W	71	\$150						NA			22	14.3	5.7	12.9	NA	8.5x14		
Lexmark MB2236adw	71	\$245	—	—				NA			15	20	3.8	10.5	NA	8.5x14		
HP LaserJet Pro M227fdw	71	\$300						NA			12	18.8	2.9	11.2	NA	8.5x14		
HP Neverstop 1202w	70	\$320						NA			2	11.1	0.6	0.8	NA	8.5x14		
HP LaserJet Pro MFP M428fdw	70	\$500						NA			14	23.1	3.6	8.2	NA	8.5x14		
HP LaserJet Pro MFP M130fw	69	\$215						NA			18	11.5	4.5	11.3	NA	8.5x11		

ALL-IN-ONE COLOR LASER PRINTERS

Brother MFC-L8900CDW	69	\$550									50	15.8	2.6	23.5	1.3	8.5x14		
HP Color LaserJet Pro MFP M479fdw	68	\$650									57	15.8	3.5	25.3	0.9	8.5x14		
Canon Color imageCLASS MF644Cdw	68	\$400									47	13.6	3.8	18.7	0.9	8.5x14		
Canon imageCLASS MF642Cdw	68	\$300									47	13.6	3.8	18.7	0.9	8.5x14		
Brother MFC-L3750CDW	67	\$330									50	10.7	3.2	22.1	0.65	8.5x14		
HP Color LaserJet Pro MFP M281fdw	67	\$430									37	14.3	2.2	16.5	0.75	8.5x14		
HP Color LaserJet Pro M182nw	67	\$370									85	11.5	11.8	21.9	0.8	8.5x14		
HP Color Laserjet Pro MFP M183fw	67	\$330									50	10.7	3.4	21.4	0.9	8.5x14		
Brother MFC-L3710CW	67	\$330									50	10.7	3.2	22.1	0.65	8.5x14		
Canon Color imageCLASS MF743Cdw	65	\$530									56	15.8	4.4	22.5	0.9	8.5x14		
HP Color LaserJet Pro M283fdw	64	\$490									57	13.6	5.3	21	0.95	8.5x14		
Lexmark MC3426adw	53	\$505									58	13.6	5.6	20.9	1.2	8.5x14		

ALL-IN-ONE INKJET PRINTERS

Brother MFC-J895DW	69	\$130									88	10.7	7.3	57.5	2.1	8.5x14		
Epson EcoTank ET-M3170	67	\$400						NA	NA		3	18.8	0.5	0.7	NA	8.5x14		
Epson EcoTank ET-M2170	67	\$330						NA	NA		3	18.8	0.5	0.7	NA	8.5x14		
Brother MFC-J775DW XL	65	\$280									12	9.1	1.2	7	0.8	8.5x14		
Canon Pixma MG3620	64	\$80									56	8.8	7.6	25.5	2	8.5x14		
Canon Pixma TR7020	64	\$135									27	9.7	0.5	17.9	2.05	8.5x14		
Canon Pixma TS6420	64	\$100									31	10.3	0.9	17.7	2.1	8.5x14		
Epson EcoTank ET-15000	63	\$600						NA			5	12.5	0.3	2.6	0.75	8.5x14		
HP OfficeJet 250 Mobile	63	\$420									42	10	6.5	21.1	1.2	8.5x14		
Epson EcoTank ET-2720	62	\$200						NA			6	8.8	0.4	2.2	0.75	8.5x14		



PRINTERS, ALL-IN-ONE

Brand + Model		Overall Score	Price	Survey Results		Test Results							Features + Specs							
				Predicted reliability	Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Scan quality	Ink cost/year (\$)	Text speed (ppm)	Text cost (cents)	Graphics cost (cents)	8x10 photo cost (\$)	Maximum paper size	Auto-duplex printing	Automatic document feeder	
ALL-IN-ONE INKJET PRINTERS <i>Continued</i>																				
✓	Epson EcoTank Pro ET-5170	62								NA		9	4.8	0.4	4.3	0.8	8.5x14			
✓	HP Envy Photo 7155	62										70	9.4	7.2	34.1	0.95	8.5x14			
✓	Epson EcoTank ET-3760	61								NA		4	12.5	0.3	1.5	0.75	8.5x14			
✓	Epson EcoTank ET-3710	61								NA		4	12.5	0.3	1.5	0.75	8.5x14			
✓	Brother MFC-J497DW	61										88	10.7	5.7	53.6	2	8.5x14			
✓	Brother MFC-J491DW	61										88	10.7	5.7	53.6	2	8.5x14			
	HP Envy Photo 7855 AiO	60										134	9.4	8.3	60.1	0.8	8.5x14			
	HP Envy Pro 6452	60										98	9.1	14.2	46.6	2.2	8.5x14			
	Epson EcoTank ET-4700	60								NA		6	9.4	0.4	2.2	0.75	8.5x14			
	HP Envy Pro 6455	59										99	8.1	13.9	50.7	2.05	8.5x11			
	Canon Pixma TR8620	59										116	10.7	13.4	32.7	2.25	8.5x14			
	HP Envy 6055	59										99	9.4	14.5	45.4	2.2	8.5x11			
	Canon PIXMA TR4520	59										52	8.1	9.1	16.8	2.25	8.5x14			
	Epson EcoTank ET-2760	59								NA		4	9.7	0.3	1.5	0.75	8.5x14			
	HP Deskjet 2755	59										102	7.3	15.4	54	1.65	8.5x14			
	HP Smart Tank Plus 551	58								NA		4	9.7	0.3	1.8	0.5	8.5x14			
	HP OfficeJet Pro 8025e	58										82	11.1	8	28.7	1.15	8.5x14			
	Epson Workforce Pro WF-7820	57										75	17.6	6.2	26.8	1.75	11x17			
	Canon Pixma TS6320	57										72	12.5	7.6	21.6	2.1	8.5x14			
	HP Smart Tank Plus 651	57								NA		4	9.7	0.3	1.8	0.5	8.5x14			
	HP Officejet 5255	56										68	9.1	8.7	34.3	1.55	8.5x14			
	Canon PIXMA TR7520	56										83	11.5	5.9	23.3	2.05	8.5x14			
	Canon Pixma TS8322	55										109	9.7	11.3	31.8	1.85	8.5x14			
	Canon Pixma TS8320	55										109	9.7	11.3	31.8	1.85	8.5x14			
	Epson Expression Photo XP-8600	55										80	8.1	5.8	28	1.7	8.5x14			
	Canon Pixma MG2522	55										66	7	10.7	21	1.45	8.5x14			
	HP DeskJet 3755	55										67	8.3	10.6	32.6	1.65	8.5x14			
	Canon PIXMA TS9520	53										77	11.1	9.9	19.9	2.15	11x17			
	HP Officejet Pro 6968	53										59	10.7	4.3	18	1.3	8.5x14			
	HP Officejet Pro 9015e	53										76	16.7	3.7	16.7	0.65	8.5x14			
	Epson Workforce WF-3620	53										44	13.6	3.6	17	1.65	8.5x14			
	HP Deskjet Plus 4158	53										160	9.1	15.4	57.9	1.85	8.5x14			
	HP Officejet Pro 8710	53										43	16.7	2	9.6	1.05	8.5x14			
	HP OfficeJet Pro 6978 AiO	52										62	14.3	5.5	17	0.85	8.5x14			

Brand + Model		Overall Score	Price	Survey Results		Test Results						Features + Specs							
				Predicted reliability	Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Scan quality	Ink cost/year (\$)	Text speed (ppm)	Text cost (cents)	Graphics cost (cents)	8x10 photo cost (\$)	Maximum paper size	Auto-duplex printing	Automatic document feeder
ALL-IN-ONE INKJET PRINTERS <i>Continued</i>																			
HP Officejet Pro 9025e		52	\$350									76	13	4	17	0.7	8.5x14		
Canon PIXMA TR8520		52	\$200									52	13	5.4	12.2	1.95	8.5x14		
Epson Workforce Pro WF-4830		52	\$200									63	17.6	5.3	23.3	1.55	8.5x14		
Canon Maxify MB2120		51	\$155									77	15.8	3.9	17.1	2.15	8.5x14		
Canon MegaTank Pixma G4210		51	\$300							NA		5	8.3	0.7	1.5	1.55	8.5x14		
Canon Maxify MB2720		51	\$150									77	20	3.1	16.6	1.4	8.5x14		
HP Deskjet Plus 4152		51	\$80									147	9.1	15.5	47.9	1.9	8.5x14		
Brother MFC-J5330DW		51	\$210									36	17.6	2	9.5	0.85	11x17		
Canon Maxify MB5420		51	\$355									55	20	1.7	12.1	2.05	8.5x14		
Canon Maxify MB5120		51	\$260									55	20	1.7	12.1	2.05	8.5x14		
Epson Expression Premium XP-6000		51	\$150									99	10.7	8.6	31.8	1.85	8.5x14		
Epson WorkForce Pro WF-4740		51	\$300									43	12.5	2.2	12.4	1.1	8.5x14		
Canon MegaTank Pixma G7020		50	\$350							NA		4	8.1	0.3	1.5	1.55	8.5x14		
Epson WorkForce Pro WF-4720		50	\$180									39	16.7	2.9	10.5	1	8.5x14		
Epson Expression Premium XP-6100		50	\$150									116	11.1	7.1	34.5	1.85	8.5x14		
Canon MegaTank PIXMA G3260		49	\$200							NA		4	10	0.3	1.9	1.55	8.5x14		
Brother MFC-J6545DW		49	\$280									33	18.8	1.7	7.5	0.7	11x17		
Brother MFC-J5845DW		49	\$250									30	18.8	2.1	6.2	0.75	11x17		
HP Officejet Pro 7740		49	\$300									54	16.7	1.9	9	0.7	11x17		
HP OfficeJet Pro 8025		48	\$170									108	17.6	9.1	32.2	1.3	8.5x14		
HP Officejet Pro 8022		48	\$140									108	17.6	9.1	32.2	1.3	8.5x14		
Canon MegaTank Pixma G6020		48	\$280							NA		4	9.7	0.3	1.5	1.55	8.5x14		
Epson Expression Premium XP-7100		48	\$200									96	8.1	6.5	24.4	1.35	8.5x14		
Brother MFC-J995DW INKvestment Tank Color Inkjet		48	\$200									27	11.1	1.4	6.1	0.8	8.5x14		
HP OfficeJet Pro 9025		48	\$330									81	17.6	3.5	15	0.8	8.5x14		

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. Predicted reliability estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first four years. Owner satisfaction reflects the proportion of CR members who are extremely likely to recommend the printer they bought. In cases where

we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), the model receives weighted category average scores for reliability and satisfaction. Photo quality reflects a photo's appearance. Text quality assesses clarity and crispness of black text. Text speed reflects how quickly the model can print text on five plain, letter-sized pages. Thirty seconds or less is

excellent; 31 to 60 seconds is very good; 61 to 90 seconds is good; 91 to 120 seconds is fair; and longer than 120 seconds is poor. Graphics quality assesses the appearance of color graphics produced by the printer. Black-and-white lasers were judged on black-and-white graphics. Maintenance ink use reflects the amount of extra ink used by an inkjet printer to maintain its print heads.

Scan quality is for color photos, graphics, and text scanned at each model's default settings. Text speed (ppm) is our measure of how fast the printer can print pages of monochrome text. Ink cost/year (\$) is the estimated cost (in dollars) for ink or toner in a year of typical use, based on our tests and how members told us they print. Price is approximate retail.



Printers, Regular

If you don't need to scan, copy, or fax—or if you own other machines to do those tasks—a regular printer may be the most cost-efficient option for you. Models start at around \$75.



What to Look For

- A laser printer if you want reliability and fast, low-cost, crisp black and white text.
- A color inkjet if you want versatility. You can print color photos and graphics as well as text.
- A black and white laser if you want reliability and to maximize long-term savings.

What to Skip

- Regular color laser printers aren't always a good choice. They're costlier than their monochrome counterparts and are not designed for printing photos.
- Regular inkjet printers, which get unfavorable ratings for reliability and owner satisfaction.

What You'll Pay

Color inkjets can cost as little as \$75 and up to \$350, and monochrome laser printers can cost less than \$100, and upwards of \$500. If you print frequently, a model's ink cost is even more significant.

BUYING ADVICE

A low price tag may not be what it seems. Ink costs can often rack up hundreds of dollars more as the years go by.

For more buying advice, go to [CR.org/printers](https://www.consumerreports.org/printers).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results						Features + Specs									
				Predicted reliability	Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Ink cost/year (\$)	Text speed (ppm)	Text cost (cents)	Graphics cost (cents)	8x10 photo cost (\$)	Maximum paper size	Auto-duplex printing	Individual color cartridges	Refillable ink tank system		
BLACK AND WHITE LASER PRINTERS																					
✓	HP LaserJet Pro M501dn	80	\$550	⬆	⬆	⬆	⬆	⬇	NA	⬆	6	23.1	1.4	3	0	8.5x14	●	NA			
💰	Brother HL-L2370DW	80	\$130	⬆	⬆	⬆	⬆	⬇	NA	⬆	15	17.6	3.8	11.3	0	8.5x14	●	NA			
💰	Brother HL-L2350DW	80	\$130	⬆	⬆	⬆	⬆	⬇	NA	⬆	10	16.7	2.6	13.7	0	8.5x14	●	NA			
✓	Brother HL-L5200DW	77	\$230	⬆	⬆	⬆	⬆	⬇	NA	⬆	6	23.1	1.5	4.4	0	8.5x14	●	NA			
✓	Brother HL-L6200DW	77	\$315	⬆	⬆	⬆	⬆	⬇	NA	⬆	5	25	1.2	3.3	0	8.5x14	●	NA			
✓	HP LaserJet Pro M404dw	75	\$380	⬆	⬆	⬆	⬆	⬇	NA	⬆	13	25	3.2	8.1	0	8.5x14	●	NA			
✓	HP Laserjet Pro M203dw	74	\$200	⬆	⬆	⬆	⬆	⬇	NA	⬆	9	16.7	2.3	6.8	0	8.5x14	●	NA			
✓	HP LaserJet Pro M404n	73	\$300	⬆	⬆	⬆	⬆	⬇	NA	⬆	13	23.1	3.2	6.7	0	8.5x14		NA			
✓	Canon imageCLASS LBP162dw	72	\$210	⬆	⬆	⬆	⬆	⬇	NA	⬆	14	21.4	3.6	11.7	0	8.5x14		NA			
✓	HP Neverstop 1001nw	72	\$290	⬆	⬆	⬆	⬆	⬇	NA	⬆	2	10.7	0.6	0.7	0	8.5x14		NA			
✓	HP LaserJet Pro M404dn	72	\$380	⬆	⬆	⬆	⬆	⬇	NA	⬆	12	21.4	3.1	8.3	0	8.5x14	●	NA			
💰	HP LaserJet Pro M118dw	71	\$130	⬆	⬆	⬆	⬆	⬇	NA	⬆	11	18.8	2.7	7.8	0	8.5x14	●	NA			
✓	Lexmark B2338dw	71	\$200	⬇	⬇	⬆	⬆	⬇	NA	⬆	14	21.4	3.5	10.9	0	8.5x14	●	NA			
✓	Canon imageCLASS LBP113w	71	\$170	⬆	⬆	⬆	⬆	⬇	NA	⬆	16	15.8	4	10.6	0	8.5x14		NA			

Brand + Model	Overall Score	Price	Survey Results	Test Results						Features + Specs								
			Predicted reliability	Owner satisfaction	Text quality	Text speed	Graphics quality	Photo quality	Maintenance ink use	Ink cost/year (\$)	Text speed (ppm)	Text cost (cents)	Graphics cost (cents)	8x10 photo cost (\$)	Maximum paper size	Auto-duplex printing	Individual color cartridges	Refillable ink tank system

BLACK AND WHITE LASER PRINTERS *Continued*

HP Laserjet Pro M15w	70	\$120						NA		22	14.3	5.5	9.1	0	8.5x14		NA	
HP LaserJet Pro M102w	68	\$130						NA		15	15.8	3.8	7.2	0	8.5x14		NA	
Lexmark B3340dw	65	\$255						NA		15	20	3.7	8.1	0	8.5x14		NA	

COLOR LASER PRINTERS

Brother HL-L3230CDW	67	\$260								49	10.3	3.1	21.8	0.65	8.5x14			
HP Color Laserjet Pro M255dw	66	\$330								46	13	3.5	19.1	0.9	8.5x14			
HP Color Laserjet Pro M254dw	66	\$300								47	12	3.2	20.1	1.1	8.5x14			
Brother HL-L8360CDW	64	\$370								50	16.7	2.6	23.8	1.25	8.5x14			
Lexmark C2325dw	64	\$270								56	11.1	4.4	22.5	1.15	8.5x14			
Brother HL-L3270CDW	63	\$250								62	12.5	4.8	25.4	0.85	8.5x14			
HP Color LaserJet Pro M454dn	63	\$470								55	15	3.4	24.5	0.8	8.5x14			
Brother HL-L8260CDW	61	\$310								48	15	2.6	22.1	1.55	8.5x14			
Brother HL-L3210CW	58	\$205								54	10.7	3.2	24.3	0.7	8.5x14			
Lexmark C3426dw	57	\$435								63	13.6	5.3	24.6	1	8.5x14			
Canon Color imageCLASS LBP622Cdw	56	\$280								55	3.5	3.3	24.9	0.8	8.5x14			
Canon imageCLASS LBP612Cdw	51	\$245								47	2.8	3.4	19.8	1.2	8.5x14			

INKJET PRINTERS

Canon Pixma TR150	60	\$200								70	7.7	8.4	28.3	2.2	8.5x14			
Canon Pixma iP110	60	\$160								69	8.3	9.9	23.7	1.45	8.5x14			
HP Officejet 200 Mobile	59	\$330								46	10	6.6	24.4	1.55	8.5x14			
Epson EcoTank ET-M1170	59	\$230						NA	NA	3	12.5	0.3	1	0	8.5x14		NA	
Canon Pixma TS702	57	\$110								58	12.5	4.9	16.1	1.85	8.5x14			
Canon MegaTank Pixma G5020	56	\$230							NA	3	10.7	0.3	1.2	1.55	8.5x14			
Canon Pixma iX6820	53	\$175								74	12	4	18.1	2	13x19			
Canon Pixma TS302	53	\$75								68	8.3	8.5	29.7	2.2	8.5x11			
Canon Pixma iP8720	52	\$265								106	11.5	6	22.3	2.05	13x19			
HP Officejet Pro 6230	51	\$135								54	11.1	4.3	16.6	1.2	8.5x14			

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. Predicted reliability estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first four years. Owner satisfaction reflects the proportion of CR members who are extremely likely to recommend

the printer they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has average reliability and satisfaction. Photo quality reflects a photo's appearance. Text quality assesses clarity and crispness of black text. Text speed reflects how quickly the model

can print text on five plain, letter-sized pages. Thirty seconds or less is excellent; 31 to 60 seconds is very good; 61 to 90 seconds is good; 91 to 120 seconds is fair; and longer than 120 seconds is poor. Graphics quality assesses the appearance of color graphics produced by the printer, or black-and-white graphics for black-and-white lasers. Maintenance ink

use reflects the amount of extra ink used by an inkjet printer to maintain its print heads. Text speed (ppm) is our measure of how fast the printer can print pages of monochrome text. Ink cost/year (\$) is the estimated cost (in dollars) for ink or toner in a year of typical use, based on our tests and how members told us they print. Price is approximate retail.



Routers

Wireless routers take the broadband internet connection that comes into your home via your internet service provider and then distributes it to all of your smartphones, laptops, tablets, streaming devices, and other internet-connected gadgets.



What to Look For

■ Traditional wireless routers consist of a single unit that is best placed as centrally in your home as possible to ensure uniform WiFi coverage. Mesh routers are typically sold in packs of two or three. Place these beacons throughout your home to evenly spread WiFi around.

■ The latest WiFi standard, WiFi 6, generally delivers the fastest and most reliable performance.

What to Skip

■ If your broadband needs barely extend beyond a couple simultaneous Netflix streams, you don't need to go out of your way to buy

a high-end router that promises oodles of power.

What You'll Pay

Expect to pay \$100 to \$200 for a well-rated wireless router. You can spend a little less, especially on an older model, but that may require extra research to make sure you're getting what you need.

BUYING ADVICE

If you live in a sprawling or multi-story home, a mesh router may be the best choice. A single-unit router should work well for smaller homes and apartments.

For more buying advice, go to [CR.org/routers](https://www.consumerreports.org/routers)

Tested products in performance order.

Brand + Model		Overall Score	Price	Test Results						Features + Specs											
				Data security	Data privacy	Throughput near	Throughput mid-range	Throughput far	Versatility	Ease of setup	Supports WPS	Parental controls	Prioritization	Ethernet cable included	Automatic firmware updates	Smartphone setup app	Wall mountable	Gigabit Ethernet	Number of LAN ports	Number of USB ports	
WIRELESS ROUTERS																					
📶	Synology RT2600ac	90	\$210	👍	👍	👍	👍	👍	👍	👍	👎	👎	👎	👎	👎	👎	👎	👎	4	2	
📶	Netgear Nighthawk AX6 AX4300 (RAX45)	89	\$150	👍	👎	👍	👍	👍	👍	👍		👎		👎	👎	👎	👎	👎	4	1	
📶	Asus AC2900 (RT-AC86U)	88	\$175	👍	👎	👍	👍	👍	👍	👍	👎	👎	👎	👎		👎	👎	👎	4	2	
✅	Asus AX5400 (RT-AX82U)	84	\$230	👍	👎	👍	👍	👎	👍	👍		👎	👎	👎		👎		👎	4	1	
📶	Linksys Max-Stream AC1900 (EA7430)	82	\$100	👎	👍	👍	👍	👍	👍	👍		👎	👎	👎	👎	👎	👎	👎	4	1	
📶	Netgear Nighthawk AC1900 (R7000)	79	\$140	👍	👎	👍	👍	👍	👍	👍		👎	👎	👎	👎	👎	👎	👎	4	2	
✅	Asus AC3100 (RT-AC88U)	79	\$225	👍	👎	👍	👍	👍	👍	👍	👎	👎	👎	👎		👎	👎	👎	8	2	
✅	Netgear Nighthawk X6S (AC4000)	78	\$250	👍	👎	👍	👍	👍	👍	👍		👎		👎	👎	👎	👎	👎	4	2	
📶	Linksys Max-Stream AC1750 (EA7300)	77	\$80	👎	👍	👍	👍	👍	👍	👍		👎	👎	👎	👎		👎	👎	4	1	
✅	Linksys AC3200 (WRT3200ACM)	77	\$250	👎	👍	👍	👍	👎	👍	👍		👎	👎	👎	👎	👎	👎	👎	4	2	
✅	Netgear Nighthawk X6 (AC3200)	75	\$230	👍	👎	👍	👍	👎	👍	👍	👎	👎	👎	👎	👎	👎	👎	👎	4	2	
📶	TP-Link Archer C7 AC1750	71	\$70	👎	👎	👍	👍	👎	👍	👍	👎	👎	👎	👎		👎	👎	👎	4	2	

Brand + Model	Overall Score	Price	Test Results						Features + Specs										
			Data security	Data privacy	Throughput near	Throughput mid-range	Throughput far	Versatility	Ease of setup	Supports WPS	Parental controls	Prioritization	Ethernet cable included	Automatic firmware updates	Smartphone setup app	Wall mountable	Gigabit Ethernet	Number of LAN ports	Number of USB ports

WIRELESS ROUTERS *Continued*

Linksys AC1900 (WRT1900AC)	69	\$215	↑	↑	↑	↑	↓	↑	↑	•	•	•	•	•	•	•	•	4	2
Asus Blue Cave (AC2600)	69	\$105	↑	↑	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
Asus AX6000 (RT-AX88U)	69	\$335	↑	↑	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	8	2
Asus AC1900 (RT-AC68U)	68	\$125	↑	↑	↑	↑	↓	↑	↑	•	•	•	•	•	•	•	•	4	2
Linksys Max-Stream AX1800 (MR7350)	68	\$100	↑	↑	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
Netgear AC1750 (R6400)	65	\$130	↑	↓	↑	↑	↓	↑	↑	•	•	•	•	•	•	•	•	4	1
Linksys AC1900 (EA6900)	64	\$180	↑	↑	↑	↑	↓	↑	↑	•	•	•	•	•	•	•	•	4	2
Netgear Nighthawk AX8 (RAX80)	64	\$380	↑	↑	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	5	2
Netgear AC1600 (R6260)	63	\$70	↑	↓	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
TP-Link Archer AX3000	61	\$110	↑	↑	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
Linksys Max-Stream AC2200	60	\$140	↑	↑	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
Asus AX1800 (RT-AX56U)	59	\$165	↑	↑	↓	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	2
Linksys Max-Stream AX6000 (MR9600)	58	\$280	↑	↑	↓	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	2
Netgear Nighthawk AX6 AX5400 (RAX50)	58	\$250	↑	↓	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
Netgear AX1800 (RAX20)	56	\$140	↑	↓	↓	↑	↑	↑	↑	•	•	•	•	•	•	•	•	5	1
TP-Link Archer AX1800	56	\$80	↑	↑	↓	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
Linksys AC1200 (EA6350)	56	\$80	↑	↑	↑	↑	↓	↑	↑	•	•	•	•	•	•	•	•	4	1
Netgear Nighthawk AX5400 (XR1000)	55	\$300	↑	↓	↓	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
TP-Link Archer AX10 AX1500	53	\$70	↑	↑	↓	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	0
Netgear Nighthawk AX4 (RAX35)	50	\$130	↑	↓	↓	↓	↑	↑	↑	•	•	•	•	•	•	•	•	4	0
Asus AX3000 (RT-AX58U)	50	\$160	↑	↑	↓	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	1
D-Link EXO AX AX1500	41	\$100	↑	↓	↓	↓	↓	↑	↑	•	•	•	•	•	•	•	•	4	0
Netgear AC1200 (R6120)	34	\$55	↑	↓	↓	↓	↓	↓	↑	•	•	•	•	•	•	•	•	4	1
Netgear AC1000 (R6080)	32	\$45	↑	↓	↓	↓	↓	↓	↑	•	•	•	•	•	•	•	•	4	0

MESH WIFI

✓ Netgear Orbi AX4200 (2-pack)	85	\$350	↑	↓	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	5	0
💰 Netgear Nighthawk AX1800 (3-Pack)	82	\$300	↑	↓	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	4	0
💰 Netgear Nighthawk AX1800 (2-Pack)	80	\$180	↑	↓	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	1	0
💰 TP-Link Deco Whole Home (3-pack)	76	\$150	↑	↑	↑	↑	↑	↑	↑	•	•	•	•	•	•	•	•	6	0



ROUTERS

Brand + Model		Overall Score	Price	Test Results						Features + Specs										
				Data security	Data privacy	Throughput near	Throughput mid-range	Throughput far	Versatility	Ease of setup	Supports WPS	Parental controls	Prioritization	Ethernet cable included	Automatic firmware updates	Smartphone setup app	Wall mountable	Gigabit Ethernet	Number of LAN ports	Number of USB ports
MESH WIFI <i>Continued</i>																				
✓	eero Pro Tri-band Mesh Network (3-pack)	76	\$500	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️		•	•	•	•	•		•	5	0
✓	TP-Link Deco X60 AX3000 (3-pack)	73	\$260	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️				•		•		•	2	0
💰	Netgear Orbi AC1200 (3-Pack)	73	\$150	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️		•	•	•	•	•		•	1	0
💰	eero Home Wifi (2nd Gen) (3-pack)	71	\$200	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️		•		•	•	•		•	2	0
	Linksys Velop AC6600 (3-pack)	69	\$200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	•	•	•	•	•	•		•	2	0
	Gryphon Guardian AC1200 (3-Pack)	69	\$240	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️		•	•	•	•	•		•	3	0
	Arris Surfboard mAX Plus AX7800 (W130) (2-pack)	65	\$470	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️		•		•	•	•		•	3	0
	Google Nest Wifi (3-pack)	63	\$290	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	⬆️				•	•	•		•	2	0
	Asus AX6100 RT-AX92U (2-Pack)	60	\$345	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️		•	•	•	•	•		•	8	2
	Linksys Velop AC3600 (3-pack)	59	\$190	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	⬆️		•	•	•	•	•		•	2	0
	Asus ZenWifi AX1800 XD4 (3-Pack)	58	\$230	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️			•	•	•	•		•	3	0

HOW WE TEST: The **Overall Score** is based on the performance of a device's data security protections, signal speeds, versatility, and ease of setup. **Data security** evaluates how well the device and its service provider protect personal info via authentication,

encryption, software updates, and resistance to known exploits. **Data privacy** is a measure of how the device and its service provider collect, share, and use data, and how much control the user has over the flow of that data. **Throughput** scores are based on signal

speeds at near (8 feet from router), midrange (30 feet away), and far (an average of the results at 45 and 10 feet away) distances. **Versatility** scores are based on the number of LAN and USB ports, parental control options, and quality of tech support. **Ease of setup**

is based on the availability of status LEDs, guest network options, and WiFi-protected setup, and the simplicity of the mobile app or web browser-based activation process. **Price** is approximate retail.



RECOMMENDED



CR BEST BUY

Smartphones

Smartphones are do-it-all companions for texting, email, and social networking, along with playing music, taking photos and video, and directing us with GPS. Today, consumers have more good options than ever.



What to Look For

- The phone's operating system. Both Apple's iOS and Google's Android are good. For most people, it comes down to personal preference.
- A display large enough for viewing web pages, maps, and videos but not so big that it makes the phone difficult to handle comfortably.

What to Skip

- Phone insurance and extended warranties, which, generally speaking, are not worth it when you weigh cost, high deductibles, and low chance of using them.

What You'll Pay

The two-year contract price with subsidy is largely a thing of the past. You can either pay full retail up front (often \$800 or more for premium phones) or make installment payments over time, generally about \$15-\$40 per month for two years.

BUYING ADVICE

Make sure you can read the phone's display in bright sunlight, especially for texting and web surfing.

For more buying advice, go to [CR.org/smartphones](https://www.consumerreports.org/smartphones).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results	Test Results										Features + Specs						
				Predicted reliability	Owner satisfaction	Camera: Rear image quality	Camera: Rear 1080p video quality	Camera: Selfie image quality	Battery and charging	Display	Durability	Performance	Sound	Ease of use	Calling	Battery life (hrs.)	Camera (megapixels)	Camera flash	Camera recording resolution	WiFi5	WiFi6
✔	Apple iPhone 12 Pro Max	86	\$1,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	41	12	●	3840 x 2160	●	●
✔	Samsung Galaxy Note20 Ultra 5G	85	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	36.5	108	●	7680 x 4320	●	●
✔	Samsung Galaxy S21 Ultra 5G	85	\$1,200	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	38	108	●	7680 x 4320	●	●
✔	Apple iPhone 12 Pro	84	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	34	12	●	3840 x 2160	●	●
💰	OnePlus 8 Pro	84	\$700	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	34	48	●	3840 x 2160	●	●
✔	Samsung Galaxy S21+ 5G	83	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	37	12	●	7680 x 4320	●	●
💰	OnePlus 8	83	\$450	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	38	48	●	3840 x 2160	●	●
✔	Samsung Galaxy Note20 5G	82	\$1,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	34	12	●	7680 x 4320	●	●
💰	OnePlus 9	82	\$730	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	33	48	●	7680 x 4320	●	●
💰	OnePlus Nord N10 5G	81	\$300	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	41.5	64	●	3840 x 2160	●	●
💰	Samsung Galaxy S20 FE 5G	81	\$700	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	38	12	●	3840 x 2160	●	●
✔	OnePlus 9 Pro	81	\$1,070	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	25	48	●	7680 x 4320	●	●
✔	Samsung Galaxy S21 5G	81	\$800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	30	12	●	7680 x 4320	●	●
💰	Samsung Galaxy A52 5G	81	\$500	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	45	64	●	3840 x 2160	●	●



SMARTPHONES

Brand + Model	Overall Score	Price	Survey Results		Test Results										Features + Specs					
			Predicted reliability	Owner satisfaction	Camera: Rear image quality	Camera: Rear 1080p video quality	Camera: Selfie image quality	Battery and charging	Display	Durability	Performance	Sound	Ease of use	Calling	Battery life (hrs.)	Camera (megapixels)	Camera flash	Camera recording resolution	WiFi 5	WiFi 6
🇺🇸 Apple iPhone XR	80	\$500	👍	👍	👍	👍	👍	👎	👍	👍	👍	👍	👍	👍	27.5	12	👉	3840 x 2160	👉	
🇺🇸 Apple iPhone 12 mini	79	\$700	👍	👍	👍	👍	👍	👎	👍	👍	👍	👍	👍	👎	28.5	12	👉	3840 x 2160	👉	👉
🇺🇸 Samsung Galaxy A71 5G	79	\$550	👍	👍	👎	👎	👎	👍	👍	👍	👍	👎	👍	👍	43	64	👉	3840 x 2160	👉	
✓ Apple iPhone 12	78	\$800	👍	👍	👍	👍	👍	👍	👍	👎	👍	👍	👍	👍	32.5	12	👉	3840 x 2160	👉	👉
🇺🇸 OnePlus 8T	78	\$600	👍	👍	👎	👍	👎	👎	👍	👍	👍	👍	👍	👍	23.5	48	👉	3840 x 2160	👉	👉
✓ Samsung Galaxy Z Fold2 5G	77	\$1,800	👍	👍	👍	👍	👎	👍	👍	👍	👍	👍	👍	👍	29	12	👉	3840 x 2160	👉	👉
🇺🇸 Samsung Galaxy A42 5G	76	\$350	👍	👍	👎	👎	👎	👍	👍	👍	👍	👎	👍	👍	49	48	👉	3840 x 2160	👉	
✓ Sony Xperia 5 II	75	\$900	👎	👎	👍	👍	👎	👍	👍	👍	👍	👍	👍	👍	45	12	👉	3840 x 2160	👉	👉
🇺🇸 Samsung Galaxy A51	74	\$400	👍	👍	👎	👎	👎	👍	👍	👍	👍	👎	👍	👍	39.5	48	👉	3840 x 2160	👉	
🇺🇸 Samsung Galaxy A50	73	\$350	👍	👍	👎	👎	👎	👍	👍	👎	👍	👍	👍	👍	34	25	👉	1920 x 1080	👉	
🇺🇸 LG V60 ThinQ 5G	72	\$400	👍	👎	👍	👎	👎	👍	👍	👎	👍	👍	👍	👍	45	64	👉	7680 x 4320	👉	👉
✓ Google Pixel 5	72	\$700	👍	👍	👍	👎	👎	👍	👍	👎	👍	👍	👍	👍	34	12.2	👉	3840 x 2160	👉	
🇺🇸 LG Velvet 5G	72	\$330	👍	👎	👍	👎	👎	👍	👍	👍	👍	👍	👍	👍	40	48	👉	3840 x 2160	👉	
✓ Sony Xperia 1 II	71	\$1,000	👎	👎	👍	👍	👎	👍	👍	👍	👍	👍	👍	👍	30.5	12	👉	3840 x 2160	👉	👉
✓ Apple iPhone 11	70	\$600	👍	👍	👍	👍	👍	👎	👍	👍	👍	👍	👍	👍	28	12	👉	3840 x 2160	👉	👉
✓ Samsung Galaxy Z Flip 5G	70	\$1,200	👍	👍	👎	👍	👎	👎	👍	👎	👍	👎	👍	👍	27.5	12.2	👉	3840 x 2160	👉	👉
🇺🇸 Google Pixel 4a	70	\$350	👍	👍	👎	👍	👎	👍	👍	👎	👍	👍	👍	👍	32.5	12.2	👉	3840 x 2160	👉	
🇺🇸 Motorola One 5G Ace	69	\$380	👍	👎	👎	👎	👎	👍	👍	👍	👍	👎	👍	👎	41	48	👉	3840 x 2160	👉	
🇺🇸 OnePlus Nord N100	69	\$170	👍	👍	👎	👎	👎	👍	👍	👍	👍	👍	👍	👍	48.5	13	👉	1920 x 1080	👉	
🇺🇸 Apple iPhone SE 2020	68	\$400	👍	👍	👎	👍	👎	👎	👍	👍	👍	👍	👍	👎	25.5	12	👉	3840 x 2160	👉	👉
✓ Motorola Edge	68	\$500	👍	👎	👍	👍	👎	👍	👍	👎	👍	👍	👍	👍	34	64	👉	3840 x 2160	👉	
Motorola Moto g power (2021)	66	\$230	👍	👎	👎	👎	👎	👍	👍	👍	👍	👎	👍	👎	41.5	48	👉	1920 x 1080	👉	
Motorola Moto G Power	65	\$220	👍	👎	👎	👎	👎	👍	👍	👎	👍	👍	👍	👍	41	16	👉	3840 x 2160	👉	
Motorola Moto g stylus (2021)	65	\$280	👍	👎	👎	👎	👎	👎	👍	👎	👍	👎	👍	👎	30.5	48	👉	3840 x 2160	👉	
Motorola Moto G Stylus	65	\$230	👍	👎	👎	👎	👎	👍	👍	👍	👍	👍	👍	👍	33	48	👉	3840 x 2160	👉	

HOW WE TEST: Overall Score combines test results with survey data for predicted reliability and owner satisfaction. **Predicted reliability** estimates the likelihood that newly purchased models from a given brand will develop problems or break within the first two years. **Owner satisfaction** reflects the proportion of CR members who are extremely likely to recommend the smartphone they bought. In cases where we have insufficient survey data to provide a brand-level rating, indicated by a gray dash (—), we assume the model has

average reliability and satisfaction. **Battery and charging** represents tests under nominal cell-network signals, including battery consumption performing tasks that involve voice, data, display, and other factors. Charging represents battery tests of time to charge from empty, fast charging for 15 minutes, wireless charging capability, and if the phone comes with a fast charger, wireless charger and replaceable battery. All phones are set the same brightness level for the entire test. **Camera: rear image quality** tests still-image quality

using the rear facing (main) camera. It is based on objective and subjective judgments of test images, which includes evaluating resolution, dynamic range, color accuracy, and visual noise. **Camera: rear 1080 video quality** is based on the judgments of trained panelists who viewed recorded video images shot at the highest quality setting available (1080p max.) in multiple lighting conditions. **Camera: selfie-image quality** tests still-image quality using the front facing (selfie) camera. (See Camera: Rear Image Quality for complete description.) **Display**

rates the overall quality of the display, including its color, clarity, off-angle viewing, and touch-responsiveness. **Ease of use** includes subjective and objective ratings of the convenience of using the menu, web browser, camera, testing, buttons, and unlocking the phone via a finger and facial recognition. **Price** is the lowest approximate retail cost for the smallest capacity available when purchased without a contract or an agreement.



TVs

Most larger-sized sets are now 4K TVs with high dynamic range (HDR) capability. Most are also smart TVs with access to streaming online content.



What to Look For

- A 4K set with decent HDR, which can display greater contrast and a wider range of colors.
- A larger-sized set as your main TV, since 65-inch models are now much more affordable.
- A 1080p TV if you're buying a smaller TV, say 32 inches,

since you won't see the extra detail in a set that size.

What to Skip

- An 8K set, since they're still pricey and there's no native 8K content.
- Costly HDMI cables. Regular High-Speed cables are fine except for runs longer than 8 to 10 feet, even for 4K. And an

extended warranty, since TVs from major brands have been very reliable.

What You'll Pay

As little as \$250 for a 55-inch 4K set; 65-inch 4K models now start around \$450. But top-performing larger-sized TVs still cost \$2,000 and up.

BUYING ADVICE

Ask whether the retailer offers a 30-day price-match guarantee, which protects you if the price drops after you buy.

For more buying advice, go to [CR.org/tvs](https://www.consumerreports.org/tvs).

Tested products in performance order.

Brand + Model		Overall Score	Price	Survey Results		Test Results							
				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Sound quality	Versatility	Data privacy	Data security
70-INCH AND LARGER TVs													
✓	LG OLED77CXAUA	86	\$2,950	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	LG OLED77CXPUA	85	\$3,000	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	LG OLED77C1PUB	84	\$3,500	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	Samsung QN75QN85A	82	\$2,800	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	Samsung QN75QN90A	82	\$3,300	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	Samsung QN75Q80T	80	\$2,700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	Sony XBR-75X950H	80	\$2,000	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬆
💰	Samsung QN75Q8DT	79	\$1,600	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬇	⬆
✓	Samsung QN75Q80A	79	\$2,700	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬆	⬇	⬆
✓	Sony XR-75X90J	74	\$2,100	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇	⬆
✓	Sony XBR-75X900H	74	\$2,000	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬆	⬇	⬆
	Samsung QN75Q70A	69	\$2,300	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬆
	Samsung QN70Q60A	68	\$1,350	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬆



TVs

Brand + Model		Overall Score	Price	Survey Results		Test Results							
				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Sound quality	Versatility	Data privacy	Data security
70-INCH AND LARGER TVs <i>Continued</i>													
TCL 75R635		68	\$1,800	⬇️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬇️	⬆️
Samsung QN75Q7DA		68	\$2,300	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
Samsung UN75TU7000		67	\$900	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️
LG 82UP8770PUA		67	\$1,700	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️
65-INCH TVs													
✔️	LG OLED65CXPUA	87	\$2,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Sony XBR-65A9G	87	\$3,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
💰	LG OLED65BXPUA	86	\$1,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Sony XBR-65A8H	84	\$2,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Sony XR-65A90J	84	\$3,800	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	LG OLED65C1PUB	84	\$2,100	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Samsung QN65QN85A	82	\$2,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Samsung QN65QN90A	82	\$2,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Samsung QN65QN9DA	81	\$2,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Samsung QN65QN800A	77	\$3,000	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	⬆️
💰	Samsung QN65Q70T	76	\$1,300	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Samsung QN65Q80A	73	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Sony XBR-65X950H	73	\$1,600	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
✔️	Vizio OLED65-H1	71	\$1,800	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	LG 65NANO90UPA	71	\$1,300	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Samsung QN65Q70A	71	\$1,400	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
✔️	Sony XR-65X90J	71	\$1,400	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
✔️	Samsung QN65Q7DA	70	\$1,400	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬇️	⬆️
	Samsung QN65Q7DT	69	\$1,200	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	⬇️	⬆️
	LG 65NANO81ANA	66	\$1,000	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	⬆️	⬇️	⬆️
	Samsung QN65LS03A	66	\$1,800	⬆️	⬆️	⬆️	⬆️	⬇️	⬇️	⬇️	⬆️	⬇️	⬆️
55- TO 60-INCH TVs													
✔️	Sony XBR-55A9G	87	\$2,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	LG OLED55GXPUA	86	\$1,500	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️
✔️	Sony XBR-55A8H	85	\$1,900	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	⬆️

Brand + Model	Overall Score	Price	Survey Results		Test Results							
			Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Sound quality	Versatility	Data privacy	Data security

55- TO 60-INCH TVs *Continued*

✓ Sony XR-55A90J	84	\$2,800	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ LG OLED55BXP UA	84	\$1,300	↑	↑	↑	↑	↓	↑	↑	↑	↓	↑
✓ Samsung QN55Q90T	83	\$1,800	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
💰 Samsung QN55Q80T	83	\$1,140	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ Sony XR-55A80J	83	\$1,700	↑	↑	↑	↑	↓	↑	↑	↑	↓	↑
✓ Samsung QN55QN90A	81	\$1,700	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ Samsung QN55QN85D	81	\$1,365	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ Samsung QN55QN85A	81	\$1,600	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ Samsung QN55Q80A	77	\$1,250	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ Samsung QN55Q8DA	77	\$1,230	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ LG 55NANO90UPA	74	\$1,100	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ Sony XBR-55X950H	73	\$1,140	↑	↑	↑	↑	↑	↓	↓	↑	↓	↑
✓ Samsung QN55LS01T	72	\$1,500	↑	↑	↑	↑	↓	↓	↑	↑	↓	↑
✓ Vizio OLED55-H1	72	\$1,200	↓	↓	↑	↑	↓	↑	↑	↑	↓	↑
✓ Samsung QN60Q60A	72	\$1,000	↑	↑	↑	↑	↓	↓	↑	↑	↓	↑
💰 Samsung UN55TU8300	71	\$600	↑	↑	↑	↑	↓	↓	↑	↑	↓	↑
✓ Samsung QN55Q7DA	70	\$1,100	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑
✓ Samsung QN55Q70A	70	\$1,100	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑
✓ Samsung QN55Q60A	70	\$850	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑
Samsung QN55Q6DA	69	\$850	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑
Samsung QN60Q6DA	69	\$1,000	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑

46- TO 52-INCH TVs

✓ LG OLED48CXPUB	86	\$1,300	↑	↑	↑	↑	↑	↑	↑	↑	↓	↑
✓ Samsung QN50Q80T	76	\$995	↑	↑	↑	↑	↑	↓	↑	↑	↓	↑
✓ Sony XBR-49X950H	73	\$1,000	↑	↑	↑	↑	↑	↓	↓	↑	↓	↑
💰 LG 50UP8000PUA	69	\$500	↑	↑	↑	↑	↓	↓	↑	↑	↓	↑
✓ Samsung QN50Q60A	67	\$700	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑
LG 50UN7000PUC	66	\$420	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑
Samsung QN50LS03A	65	\$1,200	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑
Sony KD50X80J	64	\$700	↑	↑	↑	↑	↓	↓	↓	↑	↓	↑



TVs



Brand + Model		Overall Score	Price	Survey Results		Test Results							
				Predicted reliability	Owner satisfaction	HD picture quality	UHD picture quality	HDR	Viewing angle	Sound quality	Versatility	Data privacy	Data security
39- TO 43-INCH TVs													
✓	Samsung QN43Q60A	67	\$600	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬆
💰	Samsung UN40N5200	66	\$270	⬆	⬆	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
✓	Samsung QN43LS01T	66	\$895	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬆	⬇	⬆
✓	Sony KD43X80J	65	\$600	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬆	⬇	⬆
✓	LG 43UP8000PUA	63	\$420	⬆	⬆	⬇	⬆	⬇	⬆	⬆	⬆	⬇	⬆
✓	Sony XBR-43X800H	63	\$600	⬆	⬆	⬆	⬆	⬇	⬆	⬇	⬆	⬇	⬆
	Samsung UN43AU8000	61	\$430	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬆
	Insignia NS-43DF710NA21	60	\$260	⬆	⬇	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬆
	Insignia NS-43D420NA20	60	\$200	⬆	⬇	⬆	NA	NA	⬆	⬇	⬇	NA	NA
32-INCH TVs													
✓	Samsung QN32Q50R	66	\$500	⬆	⬆	⬆	⬆	⬇	⬇	⬇	⬆	⬇	⬆
✓	Samsung UN32N5300	65	\$240	⬆	⬆	⬆	NA	NA	⬆	⬇	⬆	⬇	⬆
✓	Samsung UN32M4500	62	\$250	⬆	⬆	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
	Toshiba 32LF221U21	58	\$180	⬇	⬇	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
	Insignia NS-32DF310NA19	58	\$170	⬆	⬇	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
	TCL 32S334	57	\$200	⬇	⬆	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
	Sanyo FW32R19F	57	\$185	⬆	⬇	⬇	NA	NA	⬆	⬇	⬆	⬇	⬇
28-INCH AND SMALLER TVs													
✓	LG 28LM400B-PU	62	\$180	⬆	⬆	⬆	NA	NA	⬆	⬇	⬇	NA	NA
✓	LG 24LM530S-PU	60	\$200	⬆	⬆	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
✓	LG 24LM520S-WU	59	\$160	⬆	⬆	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
✓	LG 24LF454B	58	\$160	⬆	⬆	⬆	NA	NA	⬇	⬇	⬇	NA	NA
	Onn 100012590	55	\$130	—	—	⬆	NA	NA	⬇	⬇	⬆	⬇	⬆
	Vizio D24f-G1	54	\$160	⬇	⬇	⬆	NA	NA	⬆	⬇	⬆	⬇	⬆

HOW WE TEST: Overall Score combines test results and survey data. Predicted reliability reflects the likelihood that a TV will have problems in the first five years of ownership. Owner satisfaction is based on the proportion of members who are extremely likely to recommend their TV. HD picture quality assesses detail, color accuracy, and contrast using signals from special test patterns and videos, via an HDMI input, after

the TV is adjusted using standard picture controls. UHD picture quality is evaluated similarly, using non-HDR 4K UHD content. HDR—high dynamic range—indicates how effectively the TV can reproduce the enhanced quality of HDR content. Very effective HDR can also reproduce fine gradations of shadow detail from black to white, and display a wider range of colors. Ineffective HDR presents images that are no better

than regular standard dynamic range (SDR) TVs. Viewing angle evaluates picture quality for clarity and color accuracy at various horizontal and vertical viewing angles. Sound quality is measured from the set's built-in speakers with subjective listening and test gear. We listen for overall clarity of sound, depth of bass, volume levels and audible distortion. Motion blur evaluates how well the display

can present a blur-free image during motion scenes. Versatility indicates features that increase a TV's utilities or capabilities. Scores for Data privacy and Data security are a measure of how the TV and its service providers collect, share, use, and protect your data. Price is approximate retail.



SAFARI AUTOS

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MODELS** PAGE 62

**USED CARS:
THE MOST RELIABLE
MODELS & THE
ONES TO AVOID**
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**DETAILED USED-CAR
RELIABILITY**
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TIRE RATINGS
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Standout Models by Category

Of all the recent cars, minivans, SUVs, and pickup trucks that we've tested at our 327-acre test track in central Connecticut, these are the top-scoring models across the most popular categories.

CARS



Nissan Leaf

COMPACT ELECTRICS/HYBRIDS

\$25,000-\$45,000

Best EVs

Chevrolet Bolt,
Bolt EUV
Hyundai Kona
Electric
Nissan Leaf

Best Hybrids/ Plug-In Hybrid

Toyota Prius
Honda Insight
Toyota Corolla
Hybrid
Toyota Prius Prime
Hyundai Elantra
Hybrid



Toyota Corolla Hatchback

SMALL HATCHBACKS

\$16,000-\$25,000

Best Overall

Toyota Corolla
Hatchback



Nissan Sentra

SMALL SEDANS

\$17,000-\$25,000

Best Overall

Nissan Sentra
Toyota Corolla
Subaru Impreza
Mazda3
Hyundai Elantra



Toyota Camry Hybrid

MIDSIZED SEDANS

\$25,000-\$35,000

Best Overall

Toyota Camry
Subaru Legacy
Honda Accord
Nissan Altima
Volkswagen Passat
Kia K5

Fuel-Efficient

Toyota Camry
Hybrid
Honda Accord
Hybrid
Hyundai Sonata
Hybrid



Toyota Avalon Hybrid

LARGE SEDANS

\$35,000-\$45,000

Best Overall

Toyota Avalon
Hybrid
Nissan Maxima
Dodge Charger
Chrysler 300



Audi A4

LUXURY SEDANS

\$30,000-\$115,000

Best Compact

Audi A4
Infiniti Q50
BMW 3 Series
Volkswagen Arteon
Tesla Model 3

Best Midsize & Large

BMW 7 Series
Lexus ES
BMW 5 Series
Audi A6
Mercedes-Benz
E-Class

SPORTS CARS



Mazda MX-5 Miata

PRICE RANGE

\$24,000-\$70,000

Roadsters

Mazda MX-5
Miata
Porsche 718
Boxster
BMW Z4

Fun Coupes

Toyota Supra
Hyundai Veloster
Ford
Mustang GT

PICKUP TRUCKS



Honda Ridgeline

PRICE RANGE

\$35,000-\$68,000

Best Overall

Honda Ridgeline

Off-Road Fun

Jeep Gladiator

MINIVANS



Kia Carnival

PRICE RANGE

\$35,000-\$45,000

Best Overall

Kia Carnival

Fuel-Efficient

Toyota Sienna

SUVS



Subaru Forester

SMALL

\$25,000-\$38,000

Best Overall

Subaru Forester
Subaru Crosstrek
Mazda CX-5
Honda CR-V
Hyundai Tucson
Kia Sportage
Nissan Rogue
Hyundai Kona

Fuel-Efficient

Hyundai Tucson
Hybrid
Subaru Crosstrek
Hybrid
Honda CR-V Hybrid
Toyota RAV4 Prime
Toyota RAV4 Hybrid



Kia Telluride

MID-SIZED

\$37,000-\$50,000

Fuel-Efficient

Hyundai Santa Fe
Hybrid
Toyota Highlander
Hybrid
Toyota Venza

Best Overall

Subaru Outback
Ford Edge

Nissan Murano

Hyundai Santa Fe

Best Overall (Three-Row)

Kia Telluride
Hyundai Palisade
Toyota Highlander
Mazda CX-9
Kia Sorento
Honda Pilot



Ford Expedition MAX

LARGE

\$55,000-\$75,000

Best Overall

Ford Expedition
MAX
Toyota Sequoia



Buick Envision

LUXURY

\$30,000-\$50,000

Best Compact

Buick Envision
BMW X2
Buick Encore

Volvo XC40

BMW X1
Mini Cooper
Countryman

Fuel Efficient

Lexus UX250h



BMW X5

LUXURY

\$50,000-\$90,000

Best Compact

Audi Q5
Porsche Macan
Mercedes-Benz
GLC
Cadillac XT5

Best Mid-sized

BMW X5
Lexus RX
Porsche Cayenne

Best Large

BMW X7


19

Lexus and Toyota vehicles are
on this list, the most
by any one automaker.

Source: Consumer Reports



New Car Ratings

Included here are ratings on 236 vehicles that Consumer Reports has recently tested. Within each category, they are ranked by their Overall Score. To earn our Recommendation , vehicles must do well in our Overall Score, which accounts for a vehicle's performance in our road tests; results from our reliability and owner satisfaction surveys; availability of standard frontal crash-prevention systems with forward collision warning (FCW), automatic emergency braking that operates at highway speeds (AEB highway), a pedestrian detection system, and blind spot warning (BSW);

and, if applicable, safety tests that were conducted by the government or the insurance industry.

Survey results include predicted reliability, which is our forecast of how well a new car will likely hold up based on its recent history from our Annual Auto Surveys. Owner satisfaction is the percentage of members who say they would definitely buy or lease their vehicle again.

Both predictions for new or re-designed models are based on the manufacturer's history, and the previous generation of the vehicle or similar models.

Our road-test score is based on results from more than 50 tests and evaluations at our 327-acre test facility including acceleration, braking, emergency handling, usability, fit and finish, noise, ride, and more.

Overall MPG is what a vehicle achieved in CR's own fuel-economy tests, comprising a mix of city and highway driving.

Active Safety Features: — means no system is offered; O means it's optional on at least some trim levels; S means that the feature is standard. We deduct points if a model's gear selector lacks fail-safes to prevent it from rolling away.

Tested model in order by Overall Score within category.

Make + Model			Overall Score		Survey Results		Road-Test Results										Active Safety Features					
					Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW
SEDANS UNDER \$25,000																						
✓	Honda Insight 1.5H	🌿 80	👍	👍	73	54	👎 / 👎	👍	👎	👍	👍	👍	👍	54.0	8.7	136	3+1	S	S	S	S	
✓	Toyota Corolla 1.8H	🌿 77	👍	👍	69	48	👎 / 👎	👍	👎	👍	👎	👎	👍	53.0	10.3	142	3+1	S	S	S	0	
✓	Nissan Sentra 2.0L	🌿 77	👎	👎	81	32	👎 / 👍	👍	👍	👍	👍	👍	👍	55.5	8.5	129	3+2	S	S	S	S	
✓	Toyota Corolla 1.8L	77	👍	👍	68	33	👎 / 👎	👍	👎	👍	👎	👎	👍	53.0	10.4	134	3+1	S	S	S	0	
✓	Hyundai Elantra 1.6H	🌿 75	👎	👎	79	48	👎 / 👎	👍	👎	👍	👎	👎	👍	54.0	8.7	127	2+3	S	S	0	S	
✓	Subaru Impreza 2.0L	🌿 75	👎	👎	85	30	👎 / 👍	👍	👍	👍	👎	👍	👍	56.0	9.5	124	2+2	0	0	0	0	
✓	Mazda3 2.5L	75	👍	👍	75	30	👍 / 👎	👎	👍	👍	👍	👍	👍	54.0	7.7	125	3+1	S	S	S	0	
✓	Hyundai Elantra 2.0L	🌿 74	👎	👎	76	33	👎 / 👎	👍	👎	👎	👎	👎	👍	55.5	7.9	128	2+3	S	S	0	S	
✓	Honda Civic 2.0L	🌿 71	👍	👍	71	33	👍 / 👍	👍	👎	👎	👎	👎	👍	56.5	9.7	129	3+1	S	S	S	0	
	Nissan Versa 1.6L	🌿 62	👎	👎	61	32	👎 / 👎	👍	👎	👎	👎	👎	👍	52.5	9.6	130	3+1	S	S	S	0	
	Hyundai Accent 1.6L	58	👎	👎	64	33	👎 / 👎	👍	👎	👎	👎	👎	👍	57.5	9.9	128	2+3	0	—	—	—	
	Kia Rio 1.6L	55	👎	👎	61	33	👎 / 👎	👍	👎	👎	👎	👎	👍	54.5	9.6	131	2+3	0	0	—	—	
	Volkswagen Jetta 1.4T	🌿 50	👎	👎	78	34	👍 / 👍	👍	👍	👍	👎	👍	👍	52.0	9.0	135	3+2	0	—	0	0	
	Kia Forte 2.0L	🌿 43	👎	👎	67	34	👎 / 👎	👍	👎	👎	👎	👎	👍	53.0	8.3	131	3+1	S	0	S	0	

Make + Model	Overall Score	Survey Results	Road-Test Results													Active Safety Features			
		Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW

HATCHBACKS UNDER \$25,000

✓ Toyota Corolla Hatchback 2.0L	67			66	36	/						53.5	8.7	129	1+1	S	S	S	0
Nissan Kicks 1.6L	64			64	32	/						51.5	10.5	137	3+0	S	S	S	S
Toyota C-HR 2.0L	64			64	29	/						52.5	11.2	131	2+0	S	S	S	0
Hyundai Venue 1.6L	58			61	32	/						55.5	8.9	125	2+2	S	S	0	0
Kia Soul 2.0L	48			76	28	/						55.0	8.8	120	1+1	0	0	0	0
Chevrolet Spark 1.4L	45			47	33	/						57.5	12.0	129	1+1	0	—	—	—
Mitsubishi Mirage 1.2L	32			29	37	/						52.5	12.1	138	1+1	S	S	—	—

SUVs UNDER \$25,000

✓ Subaru Crosstrek 2.0L	84			87	29	/						54.5	10.2	125	27.5	0	0	0	0
✓ Hyundai Kona 2.0L	76			71	26	/						56.0	11.1	129	22.5	S	0	0	0
✓ Mazda CX-30 2.5L	75			64	27	/						54.0	8.7	133	21.5	S	S	S	0
✓ Honda HR-V 1.8L	71			66	29	/						55.0	10.5	132	32.0	0	0	0	—
Kia Seltos 2.0L	66			72	28	/						55.0	9.0	128	28.0	S	S	S	0
Nissan Rogue Sport 2.0L	59			72	26	/						52.5	10.3	134	24.5	S	S	S	S
Chevrolet TrailBlazer 1.3T	55			66	27	/						54.0	9.5	133	24.0	S	S	—	0

SEDANS \$25,000-\$35,000

✓ Toyota Camry 2.5H	90			89	47	/						54.5	7.8	138	3+1	S	S	S	0
✓ Toyota Camry 2.5L	88			86	32	/						53.5	8.0	126	3+1	S	S	S	0
✓ Subaru Legacy 2.5L	84			89	28	/						54.5	8.9	131	4+1	S	S	S	0
✓ Honda Accord 1.5T	84			89	31	/						54.5	7.7	135	4+1	S	S	S	0
✓ Honda Accord 2.0H	83			89	47	/						52.5	7.4	139	4+1	S	S	S	0
✓ Nissan Altima 2.5L	80			81	31	/						53.5	7.6	131	4+0	S	S	S	0
✓ Kia K5 1.6T	73			82	32	/						53.5	7.7	130	3+2	S	S	S	0
✓ Volkswagen Passat 2.0T	72			77	28	/						52.0	7.9	130	3+1	S	S	S	S
✓ Hyundai Sonata 2.5L	71			81	31	/						56.0	7.5	127	3+2	S	S	S	0
✓ Hyundai Sonata 2.0H	67			76	44	/						54.0	8.0	135	3+2	S	S	S	0
Acura ILX 2.4L	57			61	28	/						54.5	7.5	132	2+2	S	S	S	0
Chevrolet Malibu 1.5T	45			80	29	/						53.0	8.4	130	3+2	0	0	0	0




NEW CAR RATINGS

Make + Model			Overall Score		Survey Results		Road-Test Results												Active Safety Features			
					Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW
HATCHBACKS \$25,000-\$35,000																						
✓	Toyota Prius 1.8H	🍃 80	👍	👍	75	52	🟡 / 🟡	👍	👍	👍	🟡	👍	53.5	10.3	135	2+2	S	S	S	0		
✓	Toyota Prius Prime 1.8H+E	🍃 77	👍	👍	74	133 ¹¹ / 50 ²¹	👍 / 🟡	🟡	👍	👍	🟡	👍	55.0	10.8	139	2+0	S	S	S	0		
✓	Hyundai Ioniq 1.6H	🍃 69	🟡	👍	75	52	👍 / 🟡	👍	🟡	🟡	🟡	👍	54.5	9.1	130	3+0	S	S	0	0		
	Kia Niro 1.6H	🍃 62	🟡	🟡	65	43	🟡 / 👍	👍	🟡	🟡	🟡	🟡	51.0	9.9	143	2+2	0	0	0	0		
SPORTS CARS \$25,000-\$35,000																						
✓	Mazda MX-5 Miata 2.0L	87	👍	👍	80	34	🟡 / —	🟡	🔴	🔴	🟡	👍	57.5	6.7	124	0+2	S	—	—	S		
✓	Hyundai Veloster 1.6T	79	👍	👍	83	29	👍 / 🔴	👍	🔴	🔴	🟡	👍	60.0	7.0	119	1+2	S	0	—	0		
	Mini Cooper 2.0T	59	🔴	🟡	80	30	👍 / 🔴	🟡	🟡	🟡	👍	👍	56.0	7.2	130	1+1	S	S	—	—		
	Subaru WRX 2.0T	58	🔴	🔴	75	26	🟡 / 👍	👍	🔴	🔴	🟡	👍	59.0	6.0	120	2+2	0	0	0	0		
SUVs \$25,000-\$35,000																						
✓	Subaru Forester 2.5L	89	👍	👍	90	28	👍 / 👍	👍	🟡	👍	👍	👍	53	9.2	130	36.5	S	S	S	0		
✓	Hyundai Tucson 1.6T+H	🍃 85	🟡	👍	92	35	👍 / 👍	👍	👍	👍	👍	👍	53.0	7.7	132	38.5	S	S	0	S		
✓	Mazda CX-5 2.5L	83	👍	👍	78	24	👍 / 👍	🟡	👍	👍	👍	👍	54.0	8.6	133	30.5	S	S	S	S		
✓	Honda CR-V 1.5T	82	👍	🟡	82	28	👍 / 👍	👍	👍	🟡	👍	👍	52.0	8.2	137	36.0	S	S	S	0		
✓	Subaru Crosstrek 2.0H+E	🍃 81	👍	👍	82	90 ¹¹ / 33 ²¹	👍 / 👍	👍	🟡	👍	🟡	👍	53.0	9.0	129	21.5	0	0	0	0		
✓	Honda CR-V 2.0H	🍃 81	👍	🟡	80	35	👍 / 👍	🟡	🟡	🟡	👍	👍	53.0	8.5	133	34.0	S	S	S	0		
✓	Kia Sportage 2.4L	81	👍	🔴	78	23	👍 / 👍	👍	🟡	🟡	🟡	👍	52.5	9.6	128	29.5	S	S	S	0		
✓	Hyundai Tucson 2.5L	80	🟡	👍	86	26	👍 / 👍	👍	👍	👍	👍	👍	53.0	9.6	132	38.5	S	S	0	S		
✓	Nissan Rogue 2.5L	76	🟡	🟡	80	25	👍 / 👍	👍	👍	🟡	👍	👍	53.5	8.7	135	36.5	S	S	S	S		
✓	Buick Encore 1.4T	74	👍	🔴	69	23	👍 / 🟡	👍	👍	👍	👍	🟡	55.0	11	127	26.0	0	—	—	0		
✓	Chevrolet Equinox 1.5T	74	🟡	🟡	78	25	👍 / 👍	👍	👍	👍	🟡	👍	53.0	9.6	132	32.0	S	S	—	0		
✓	Toyota RAV4 2.5H	🍃 72	🟡	🟡	76	37	👍 / 👍	👍	🟡	🟡	🟡	👍	52.0	7.8	139	30.5	S	S	S	0		
✓	Toyota RAV4 2.5L	69	🟡	🟡	72	27	👍 / 👍	👍	🔴	🟡	🟡	👍	54.0	8.3	131	30.5	S	S	S	0		
	Volkswagen Tiguan 2.0T	65	🔴	🔴	84	25	👍 / 👍	👍	👍	👍	👍	👍	52.0	10.3	131	33.0	S	S	S	S		
	Mitsubishi Outlander 2.5L	65	🟡	🟡	71	25	👍 / 👍	👍	🟡	🔴	👍	👍	51.0	9.8	133	32.0	S	S	S	S		
	Buick Encore GX 1.3T	64	🟡	🟡	67	26	🟡 / 🟡	👍	🟡	🟡	👍	👍	54.5	9.4	126	23.0	S	S	—	0		
	Ford Bronco Sport 1.5T	60	🔴	👍	75	25	👍 / 👍	👍	🟡	🟡	👍	👍	53.5	8.9	126	30.5	S	S	S	S		
	Mitsubishi Eclipse Cross 1.5T	56	🟡	🔴	61	24	🟡 / 👍	🟡	🟡	🟡	🟡	🟡	52.5	9.9	132	22.5	S	S	0	0		
	Ford Escape 2.5H	🍃 50	🔴	🟡	82	34	🟡 / 👍	👍	👍	🟡	🟡	👍	51.0	8.3	128	30.5	S	S	S	S		

Make + Model	Overall Score	Survey Results	Road-Test Results														Active Safety Features			
		Predicted reliability Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW		

SUVs \$25,000-\$35,000 *Continued*

Chevrolet Trax 1.4T	48	 	55	25	 / 						54.0	10.8	130	26.0	—	—	—	0
Ford Escape 1.5T	46	 	73	26	 / 						53.0	8.9	128	30.5	S	S	S	S
Ford EcoSport 2.0L	45	 	61	24	 / 						54.5	10.7	132	22.5	—	—	—	0
Jeep Compass 2.4L	43	 	56	24	 / 						53.5	9.8	137	27.5	S	S	S	S
Jeep Renegade 2.4L	37	 	56	24	 / 						51.5	9.9	130	30.5	0	—	0	S
Fiat 500X 1.3T	31	 	50	23	 / 						52.5	9.8	130	19.5	0	—	0	0

ELECTRIC CARS \$35,000-\$45,000

 Chevrolet Bolt E	 82	 	78	120 ¹	 / 						53.0	6.8	138	2+0	S	S	—	0
 Chevrolet Bolt EUV E	 76	 	80	115 ¹	 / 						53.0	7.2	137	2+2	S	S	0	0
 Hyundai Kona Electric E	 74	 	76	120 ¹	 / 						53.5	6.6	135	1+1	S	S	0	S
 Nissan Leaf E	 72	 	73	104 ¹	 / 						52.5	7.0	139	3+0	S	S	S	S
 Kia Niro EV E	 55	 	81	112 ¹	 / 						52.5	6.8	135	2+2	S	S	S	S

SEDANS \$35,000-\$45,000

 Toyota Avalon 2.5H	 88	 	93	42	 / 						53.0	8.3	135	4+0	S	S	S	S
 Volkswagen Arteon 2.0T	81	 	91	24	 / 						53.5	7.9	125	4+1	S	S	S	S
 Nissan Maxima 3.5L	81	 	81	25	 / 						53.0	6.5	132	3+0	S	S	S	S
 Dodge Charger 5.7L	79	 	85	20	 / 						50.5	6.1	128	2+3	0	—	0	0
 Chrysler 300 5.7L	78	 	84	20	 / 						49.5	6.1	134	3+1	0	—	0	0
 Chrysler 300 3.6L	78	 	83	22	 / 						50.0	7.4	137	3+1	0	—	0	0
 Dodge Charger 3.6L	78	 	82	22	 / 						52.0	7.4	134	2+3	0	—	0	0
 BMW 228i Gran Coupe 2.0T	72	 	75	27	 / 						51.0	7.2	132	2+2	S	S	0	S
 Kia Stinger 2.5T	71	 	75	23	 / 						53.5	7.5	132	3+0	S	S	S	S
 Lexus IS300 3.5L	70	 	69	22	 / 						55.0	6.1	129	1+3	S	S	S	S
Cadillac CT4 2.0T	65	 	78	25	 / 						55.0	7.4	129	2+1	S	S	0	0
Genesis G70 2.0T	64	 	74	23	 / 						56.5	7.8	137	2+0	S	S	S	S
Acura TLX 2.0T	56	 	67	23	 / 						54.0	6.5	136	2+2	S	S	S	0
Mercedes-Benz CLA250 2.0T	56	 	65	27	 / 						56.0	6.6	131	2+2	S	S	S	S
Mercedes-Benz A220 2.0T	55	 	64	27	 / 						53.0	7.3	130	2+1	S	S	S	S



NEW CAR RATINGS

Make + Model			Overall Score		Survey Results		Road-Test Results												Active Safety Features			
			Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW		
SPORTS CARS \$35,000-\$45,000																						
✓	Ford Mustang 5.0L	76	⬇️	⬆️	84	19	⬆️ / ⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	54.5	4.9	121	2+1	0	0	0	0		
✓	Dodge Challenger 5.7L	73	⬆️	⬆️	70	20	⬆️ / ⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	51.5	5.5	119	2+3	0	—	—	0		
✓	Ford Mustang 2.3T	70	⬇️	⬆️	76	25	⬆️ / ⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	52.5	6.4	125	2+1	0	0	0	0		
	Chevrolet Camaro 6.2L	63	⬇️	⬆️	85	20	⬆️ / ⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	56.0	4.4	112	1+2	0	—	—	0		
2-ROW SUVs \$35,000-\$45,000																						
✓	Subaru Outback 2.4T	86	⬇️	⬆️	91	24	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	54.0	7.1	132	37.0	S	S	S	0		
✓	Hyundai Santa Fe 1.6T+H	🍃 84	⬆️	⬆️	86	30	⬆️ / ⬆️	⬆️	⬆️	⬇️	⬆️	⬆️	51.0	8.3	130	35.5	S	S	S	0		
✓	Ford Edge 2.0T	83	⬆️	⬇️	84	22	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	52.0	7.7	129	39.0	S	S	S	S		
✓	Lexus UX250h 2.0H	🍃 81	⬆️	⬆️	71	37	⬆️ / ⬇️	⬆️	⬆️	⬆️	⬆️	⬆️	54.0	8.8	137	18.0	S	S	S	S		
✓	Nissan Murano 3.5L	79	⬆️	⬇️	77	21	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	50.5	7.7	131	33.5	S	S	S	S		
✓	Toyota RAV4 Prime 2.5H+E	🍃 79	⬇️	⬆️	85	94 ¹ / 34 ²	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	51.0	6.3	142	30.5	S	S	S	S		
✓	Buick Envision 2.0T	78	⬆️	⬇️	79	23	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	55.0	7.5	127	28.0	S	S	0	S		
✓	Toyota Venza 2.5H	🍃 78	⬆️	⬆️	75	37	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	51.0	7.8	137	26.5	S	S	S	S		
✓	Hyundai Santa Fe 2.5L	77	⬆️	⬆️	76	24	⬆️ / ⬆️	⬆️	⬇️	⬇️	⬆️	⬆️	54.5	10	126	35.5	S	S	S	0		
✓	BMW X1 2.0T	73	⬆️	⬇️	74	26	⬇️ / ⬇️	⬆️	⬇️	⬇️	⬆️	⬆️	53.0	7.9	134	27.0	S	S	—	—		
✓	Volvo XC40 2.0T	73	⬆️	⬆️	71	24	⬆️ / ⬆️	⬇️	⬆️	⬇️	⬆️	⬆️	54.0	7.3	132	25.5	S	S	S	S		
✓	Mini Cooper Countryman 2.0T	72	⬇️	⬆️	82	25	⬆️ / ⬆️	⬇️	⬇️	⬇️	⬆️	⬆️	53.0	8.3	120	23.5	S	S	—	—		
	Jeep Grand Cherokee 3.6L	67	⬇️	⬆️	80	18	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	50.0	8.0	134	36.5	0	—	0	S		
	Chevrolet Blazer 3.6L	67	⬇️	⬇️	83	19	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	54.5	6.4	130	34.5	0	0	0	0		
	Acura RDX 2.0T	65	⬇️	⬇️	82	22	⬆️ / ⬆️	⬇️	⬆️	⬇️	⬆️	⬆️	52.0	7.0	127	33.0	S	S	S	0		
	Mercedes-Benz GLB250 2.0T	64	⬇️	⬇️	81	26	⬆️ / ⬇️	⬇️	⬆️	⬆️	⬆️	⬆️	54.5	6.8	125	28.5	S	S	S	S		
	Honda Passport 3.5L	64	⬇️	⬇️	79	21	⬆️ / ⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	53.5	6.4	135	39.0	S	S	S	0		
	Volkswagen Atlas Cross Sport 2.0T	64	⬇️	⬇️	81	21	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	52.0	8.7	131	37.5	S	S	S	S		
	Audi Q3 2.0T	63	⬇️	⬇️	84	23	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	52.5	7.8	126	24.5	S	S	S	0		
	Mercedes-Benz GLA250 2.0T	60	⬇️	⬇️	74	27	⬆️ / ⬇️	⬇️	⬆️	⬇️	⬆️	⬆️	54.0	6.8	133	26.5	S	S	S	S		
	Jeep Cherokee 2.0T	54	⬇️	⬇️	68	23	⬆️ / ⬆️	⬆️	⬇️	⬇️	⬆️	⬇️	53.0	7.5	129	31.0	S	—	S	S		
	Jeep Wrangler 3.6L	29	⬇️	⬆️	36	18	⬇️ / ⬇️	⬆️	⬇️	⬇️	⬇️	⬇️	49.0	7.3	144	41.5	0	—	0	0		

Make + Model	Overall Score	Survey Results	Road-Test Results													Active Safety Features			
		Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW

3-ROW SUVs \$35,000-\$45,000

✓ Kia Telluride 3.8L	97	↑	↑	97	21	↑ / ↑	↑	↑	↑	↑	↑	53.5	7.2	127	47.5	S	S	S	S
✓ Hyundai Palisade 3.8L	86	↑	↑	88	21	↑ / ↑	↑	↑	↑	↑	↑	52.5	7.1	132	47.5	S	S	S	S
✓ Toyota Highlander 3.5L	84	↑	↑	86	22	↑ / ↑	↑	↑	↑	↑	↑	50.0	7.3	132	41.0	S	S	S	0
✓ Toyota Highlander 2.5H	83	↑	↑	84	35	↑ / ↑	↑	↑	↑	↑	↑	49.5	8.0	141	41.0	S	S	S	0
✓ Mazda CX-9 2.5T	80	↑	↑	79	22	↑ / ↑	↑	↑	↑	↑	↑	50.0	7.9	139	34.0	S	S	S	S
✓ Kia Sorento 2.5T	77	↑	↑	83	25	↑ / ↑	↑	↑	↑	↑	↑	52.5	6.5	133	39.5	S	S	S	0
✓ Honda Pilot 3.5L	72	↑	↑	80	20	↑ / ↑	↑	↑	↑	↑	↑	49.5	7.5	136	48.0	S	S	S	0
Chevrolet Traverse 3.6L	69	↓	↑	95	20	↑ / ↑	↑	↑	↑	↑	↑	50.5	7.3	130	54.5	0	0	0	0
Nissan Pathfinder 3.5L	65	↑	↑	85	21	↑ / ↑	↑	↑	↑	↑	↑	52.5	7.6	138	44.5	S	S	S	S
Toyota 4Runner 4.0L	64	↑	↑	55	18	↑ / ↑	↑	↑	↓	↓	↓	48.0	7.7	131	44.5	S	S	S	—
Subaru Ascent 2.4T	60	↓	↑	93	22	↑ / ↑	↑	↑	↑	↑	↑	52.0	8.0	129	40.5	S	S	S	0
Volkswagen Atlas 3.6L	57	↓	↑	84	20	↑ / ↑	↑	↑	↑	↑	↑	51.0	8.7	135	50.5	S	S	S	S
Dodge Durango 3.6L	49	↓	↑	83	18	↑ / ↑	↑	↑	↑	↑	↑	48.0	8.3	134	44.0	0	—	0	0
Ford Explorer 2.3T	42	↓	↑	78	21	↑ / ↑	↑	↑	↑	↑	↑	51.5	7.4	136	44.5	S	S	S	S

MINIVANS \$35,000-\$45,000

✓ Toyota Sienna 2.5H	77	↑	↑	80	36	↑ / ↑	↑	↑	↑	↑	↑	50.0	8.2	148	48.0	S	S	S	S
✓ Kia Carnival 3.5L	77	↑	↑	89	21	↑ / ↑	↑	↑	↑	↑	↑	52.0	8.4	129	72.0	S	S	S	S
Chrysler Pacifica 3.6H+E	70	↓	↑	88	84 ¹ / 27 ²	↑ / ↑	↑	↑	↑	↑	↑	48.5	8.3	145	66.0	S	S	S	S
Honda Odyssey 3.5L	68	↓	↑	85	22	↑ / ↑	↑	↑	↑	↑	↑	50.0	8.1	136	71.5	S	S	S	0
Chrysler Pacifica 3.6L	68	↓	↑	85	21	↑ / ↑	↑	↑	↑	↑	↑	51.0	8.0	136	66.0	S	S	S	S

COMPACT PICKUP TRUCKS \$35,000-\$45,000

✓ Honda Ridgeline 3.5L	80	↑	↑	83	20	↑ / ↑	↑	↑	↑	↑	↑	53.5	7.3	134	NR	S	S	S	0
✓ Jeep Gladiator 3.6L	65	↑	↑	52	18	↑ / ↑	↑	↓	↓	↓	↓	49.5	7.8	135	NR	0	—	0	0
Toyota Tacoma 3.5L	51	↑	↑	42	19	↓ / ↓	↑	↓	↓	↓	↓	46.0	8.2	146	NR	S	S	S	0
Ford Ranger 2.3T	46	↓	↑	55	20	↑ / ↑	↑	↑	↓	↓	↓	47.0	7.4	143	NR	S	S	S	0
Chevrolet Colorado 3.6L	44	↓	↑	61	18	↓ / ↑	↑	↑	↓	↓	↓	48.5	7.5	132	NR	0	—	—	—
GMC Canyon 3.6L	44	↓	↑	61	18	↓ / ↑	↑	↑	↓	↓	↓	48.5	7.5	132	NR	0	—	—	—
Chevrolet Colorado 2.8D	43	↓	↑	60	24	↓ / ↑	↑	↓	↓	↓	↓	49.0	10.3	134	NR	0	—	—	—
GMC Canyon 2.8D	43	↓	↑	60	24	↓ / ↑	↑	↓	↓	↓	↓	49.0	10.3	134	NR	0	—	—	—



NEW CAR RATINGS

Make + Model	Overall Score	Survey Results		Road-Test Results												Active Safety Features			
		Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW

ELECTRIC CARS \$45,000-\$55,000

✓ Tesla Model 3 E	78	↓	↑	82	130 ¹¹	↑ / ↓	↓	↓	↓	↑	↑	55.0	5.3	133	2+2	S	S	S	—
BMW i3 E	64	↓	↓	70	113 ¹¹ /29 ²²	↑ / ↓	↓	↑	↑	↑	↑	55.0	7.5	131	1+1	0	0	—	—
Ford Mustang Mach-E	62	↓	↑	78	90 ¹¹	↑ / ↑	↓	↑	↓	↑	↑	52.0	5.3	136	29.5	S	S	S	S
Polestar 2 E	57	↓	↑	72	92 ¹¹	↑ / ↓	↓	↑	↓	↑	↑	55.5	4.4	123	3+0	S	S	S	S
Tesla Model Y E	47	↓	↑	90	121 ¹¹	↑ / ↑	↓	↑	↓	↑	↑	54.5	4.7	121	25.0	—	—	—	—

SEDANS \$45,000-\$55,000







✓ Audi A4 2.0T	87	↑	↓	88	27	↑ / ↓	↓	↑	↑	↑	↑	53.5	6.3	135	2+2	S	S	0	0
✓ Infiniti Q50 3.0T	85	↑	↓	85	22	↑ / ↓	↓	↑	↑	↑	↑	56.0	5.7	126	2+1	S	—	S	0
✓ BMW 330i 2.0T	83	↑	↓	86	29	↑ / ↓	↓	↑	↓	↑	↑	54.0	6.4	129	2+2	S	S	0	0
✓ Lexus ES350 3.5L	83	↑	↑	84	25	↑ / ↓	↓	↑	↑	↑	↑	53.0	6.9	132	3+1	S	S	S	S
✓ Volvo S60 2.0T	75	↑	↑	71	26	↑ / ↓	↓	↑	↓	↑	↑	53.5	7.3	125	2+1	S	S	S	S
Cadillac CT5 2.0T	65	↓	↑	78	24	↑ / ↓	↑	↑	↑	↑	↑	54.0	7.7	127	2+1	S	S	0	0
Alfa Romeo Giulia 2.0T	43	↓	↑	70	27	↑ / ↓	↓	↑	↑	↑	↑	53.0	6.7	136	1+2	S	S	S	0

2-ROW SUVs \$45,000-\$55,000






































✓ Lexus RX350 3.5L	80	↑	↑	77	22	↑ / ↑	↓	↑	↑	↑	↓	49.0	7.5	139	30.0	S	S	S	S
✓ Audi Q5 2.0T	78	↓	↓	83	24	↑ / ↑	↓	↑	↑	↑	↑	52.5	6.8	130	27.0	S	S	0	S
✓ Mercedes-Benz GLC300 2.0T	75	↓	↓	79	22	↑ / ↑	↓	↑	↑	↑	↑	50.0	6.8	132	28.0	S	S	S	S
✓ Cadillac XT5 3.6L	74	↓	↓	78	20	↑ / ↑	↓	↑	↓	↑	↑	53.5	7.1	132	33.0	S	S	0	0
✓ BMW X2 2.0T	74	↑	↓	77	25	↑ / ↓	↑	↑	↓	↑	↑	52.5	8.0	134	23.5	S	S	—	—
BMW X3 2.0T	69	↓	↑	92	24	↑ / ↑	↓	↑	↑	↑	↑	50.5	7.7	128	32.0	S	S	0	S
Infiniti QX50 2.0T	61	↓	↓	77	22	↑ / ↑	↓	↑	↓	↑	↓	55.5	7.2	129	30.5	S	S	S	S
Volvo XC60 2.0T	60	↓	↓	79	23	↑ / ↑	↓	↑	↓	↑	↑	52.0	8.0	124	34.0	S	S	S	S
Lincoln Corsair 2.0T	53	↓	↑	82	23	↑ / ↑	↓	↑	↑	↑	↑	54.5	7.2	128	27.5	S	S	S	S
Jaguar E-Pace 2.0T	52	↓	↓	69	21	↑ / ↑	↓	↑	↓	↑	↑	54.0	7.9	129	21.5	S	S	S	0
Jaguar F-Pace 3.0T	52	↓	↓	72	20	↑ / ↑	↓	↓	↓	↑	↑	50.5	6.0	129	28.5	S	S	S	S
Cadillac XT4 2.0T	52	↓	↓	78	23	↑ / ↓	↑	↓	↓	↑	↑	55.0	7.6	128	26.5	S	S	0	0
Lincoln Nautilus 2.7T	50	↓	↑	84	18	↑ / ↑	↓	↑	↑	↑	↑	53.5	7.2	128	32.5	S	S	S	S
Alfa Romeo Stelvio 2.0T	45	↓	↓	74	24	↓ / ↓	↓	↑	↑	↑	↑	52.5	7.0	132	26.5	S	S	S	0
Land Rover Range Rover Evoque 2.0T	41	↓	↓	58	20	↑ / ↓	↓	↑	↓	↑	↑	49.5	8.3	126	25.0	S	S	S	0
Land Rover Discovery Sport 2.0T	41	↓	↓	58	21	↑ / ↑	↓	↓	↓	↑	↓	50.5	8.6	136	33.0	S	S	S	0

Make + Model	Overall Score	Survey Results	Road-Test Results													Active Safety Features			
		Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW


































FULL-SIZED PICKUP TRUCKS \$45,000-\$55,000

Ram 1500 5.7L	63			83	17	 / 						47.5	7.1	137	NR	0	0	0	0
Ram 1500 3.00	63			83	23	 / 						47.0	8.8	138	NR	0	0	0	0
Ford F-150 3.5T+H	58			79	20	 / 						48.0	6.3	141	NR	S	S	S	0
Ford F-150 2.7T	55			75	19	 / 						47.5	6.7	143	NR	S	S	S	0
Nissan Titan 5.6L	55			70	16	 / 						49.5	6.7	131	NR	S	S	S	S
Ford F-250 6.70	53			53	15	 / 						46.5	8.1	155	NR	0	0	0	0
Chevrolet Silverado 1500 3.00	45			78	23	 / 						47.0	7.9	144	NR	0	0	—	0
GMC Sierra 1500 3.00	45			78	23	 / 						47.0	7.9	144	NR	0	0	—	0
Chevrolet Silverado 1500 5.3L	45			78	17	 / 						49.5	6.9	136	NR	0	0	—	0
GMC Sierra 1500 5.3L	45			78	17	 / 						49.5	6.9	136	NR	0	0	—	0






SEDANS \$55,000-\$75,000

✓ BMW 530i 2.0T	81			94	26	 / 						52.5	7.2	130	3+1	S	S	0	S
✓ Audi A6 2.0T	77			93	26	 / 						55.5	6.8	129	3+1	S	S	S	0
✓ Mercedes-Benz E300 2.0T	74			85	24	 / 						54.5	7.1	128	2+2	S	S	S	S
Genesis G90 3.3T	68			89	18	 / 						52.0	6.0	130	3+0	S	S	S	S
Genesis G80 2.0T	68			89	24	 / 						55.5	6.8	128	2+2	S	S	S	S
Volvo S90 2.0T	50			73	23	 / 						52.5	7.2	130	2+2	S	S	S	S

SPORTS CARS \$55,000-\$75,000

✓ Porsche 718 Boxster 2.0T	83			95	26	 / 						59.0	4.4	108	1+2	0	—	—	0
✓ Toyota Supra 3.0T	83			91	27	 / 						56.0	4.6	115	1+1	S	S	0	0
✓ BMW Z4 2.0T	79			86	29	 / 						56.0	6.1	111	1+2	S	S	0	0
✓ Audi TT 2.0T	73			84	26	 / 						58.0	6.3	113	1+2	—	—	—	S
Chevrolet Corvette 6.2L	68			97	19	 / 						58.5	3.4	113	0+3	—	—	—	0

2-ROW SUVs \$55,000-\$75,000

✓ BMW X5 3.0T	84			98	23	 / 						52.0	6.0	129	36.5	S	S	0	S
✓ Lexus RX450h 3.5H	83			80	29	 / 						50.0	7.5	138	30.0	S	S	S	S
✓ Porsche Macan 3.0T	76			84	19	 / 						51.0	6.4	130	29.0	0	0	0	0
Genesis GV80 3.5T	63			81	18	 / 						51.5	6.0	129	39.0	S	S	S	S



NEW CAR RATINGS

Make + Model	Overall Score	Survey Results		Road-Test Results												Active Safety Features			
		Predicted reliability	Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW

2-ROW SUVs \$55,000-\$75,000 *Continued*

Land Rover Range Rover Velar 2.0T	49	⬇️	⬇️	76	21	⬆️ / ⬆️	⬇️	⬆️	⬇️	⬆️	⬆️	51.5	8.4	130	29.0	S	S	S	S
Land Rover Defender 3.0T	45	⬇️	⬆️	61	18	⬆️ / ⬆️	⬇️	⬆️	⬇️	⬆️	⬇️	49.0	6.9	147	43.0	S	S	S	S
Mercedes-Benz GLE450 3.0T	43	⬇️	⬇️	80	20	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	51.5	6.0	132	36.5	S	S	S	S

3-ROW SUVs \$55,000-\$75,000

















✓ Lexus RX350L 3.5L	82	⬆️	⬆️	80	20	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	51.5	7.7	136	31.0	S	S	S	S
✓ Buick Enclave 3.6L	79	⬇️	⬇️	87	18	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	53.5	7.4	130	48.5	S	S	0	S
✓ Lexus GX460 4.6L	79	⬆️	⬇️	70	17	⬆️ / ⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	48.0	7.5	136	36.5	S	S	S	S
✓ GMC Acadia 3.6L	73	⬇️	⬇️	80	19	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	53.5	6.8	130	40.5	S	S	0	S
✓ Ford Expedition MAX 3.5T	69	⬇️	⬆️	73	16	⬆️ / ⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	46.5	7.3	143	66.0	S	S	S	S
✓ Toyota Sequoia 5.7L	68	⬆️	⬆️	60	15	⬆️ / ⬆️	⬆️	⬆️	⬇️	⬆️	⬇️	47.0	7.1	146	61.0	S	S	S	S
Audi Q7 3.0T	65	⬇️	⬆️	92	20	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	50.5	7.0	133	35.5	S	S	S	S
Infiniti QX80 5.6L	64	⬇️	⬇️	68	15	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	48.0	6.9	139	49.5	S	S	S	S
Volvo XC90 2.0T	62	⬇️	⬇️	84	20	⬆️ / ⬆️	⬇️	⬆️	⬇️	⬆️	⬇️	52.5	7.7	126	35.0	S	S	S	S
Acura MDX 3.5L	61	⬇️	⬆️	77	20	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	53.5	7.4	139	37.0	S	S	S	S
Chevrolet Suburban 5.3L	60	⬇️	⬆️	76	16	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	49.0	7.6	145	70.0	S	S	0	0
GMC Yukon XL 5.3L	59	⬇️	⬆️	75	16	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	49.0	7.6	145	70.0	S	S	0	0
Chevrolet Tahoe 5.3L	58	⬇️	⬆️	73	17	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	49.0	7.8	145	58.5	S	S	0	0
GMC Yukon 5.3L	58	⬇️	⬆️	73	17	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	49.0	7.8	145	58.5	S	S	0	0
Cadillac XT6 3.6L	56	⬇️	⬇️	82	18	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬆️	51.0	7.1	134	40.5	S	S	0	S
Nissan Armada 5.6L	55	⬇️	⬇️	69	14	⬆️ / ⬆️	⬆️	⬆️	⬆️	⬆️	⬇️	51.0	6.7	133	46.5	S	S	S	S
Land Rover Range Rover Sport 3.0SC	49	⬇️	⬆️	72	18	⬆️ / ⬆️	⬇️	⬆️	⬇️	⬆️	⬆️	49.5	6.5	137	31.5	S	S	0	0
Land Rover Discovery 3.0SC	45	⬇️	⬇️	71	17	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬇️	47.5	7.3	138	42.5	S	S	S	S
Lincoln Aviator 3.0T	45	⬇️	⬆️	82	19	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	52.0	6.2	138	49.0	S	S	S	S

ELECTRIC CARS OVER \$75,000

















Tesla Model S E	70	⬇️	⬆️	97	102	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	54.0	5.1	129	4+3	S	S	S	—
Tesla Model X E	65	⬇️	⬆️	83	87	⬆️ / ⬆️	⬇️	⬆️	⬇️	⬆️	⬆️	53.5	4.9	127	2+2	S	S	S	—
Porsche Taycan E	63	⬇️	⬆️	86	77	⬆️ / ⬆️	⬇️	⬆️	⬆️	⬆️	⬆️	52.5	4.0	130	1+3	S	S	S	0

Make + Model	Overall Score	Survey Results	Road-Test Results													Active Safety Features			
		Predicted reliability Owner satisfaction	Road-test score	Overall mpg	Seat comfort, front/rear	Usability	Noise	Ride	Fit + finish	Routine handling	Avoidance-maneuver speed, mph	Acceleration, 0-60 mph, sec.	Dry braking, 60-0 mph, ft.	Suitcases + duffels/ Cargo volume, cu. ft.	FCW	AEB, pedestrian	AEB, highway	BSW	

ELECTRIC CARS OVER \$75,000 *Continued*

Jaguar I-Pace E	 60	 	82	76 ¹¹	 / 	 					52.0	4.3	136	25.5	S	S	0	S
Audi E-Tron E	 54	 	90	74 ¹¹	 / 	 					49.5	6.3	131	28.0	S	S	S	S










































SEDANS OVER \$75,000

 BMW 750i 4.4T	88	 	99	21	 / 	 					52.5	5.3	131	2+4	S	S	0	S
Audi A8 3.0T	70	 	96	21	 / 	 					53.5	6.1	133	2+3	S	S	S	0
Lexus LS500 3.5T	46	 	72	20	 / 	 					51.5	6.0	136	2+1	S	S	S	S
Maserati Ghibli 3.0T	42	 	71	19	 / 	 					53.5	5.4	115	2+2	0	0	0	S

2-ROW SUVs OVER \$75,000

 Porsche Cayenne 3.0T	81	 	87	21	 / 	 					49.5	6.5	131	32.0	S	S	S	0
Land Rover Range Rover 3.0SC	49	 	78	17	 / 	 					48.5	6.7	137	34.5	S	S	0	0

3-ROW SUVs OVER \$75,000

 BMW X7 3.0T	82	 	94	22	 / 	 					52.5	6.5	136	26.0	S	S	0	S
Cadillac Escalade 6.2L	66	 	80	16	 / 	 					48.5	6.5	136	56.0	S	S	0	0
Lincoln Navigator 3.5T	64	 	65	16	 / 	 					47.0	6.2	144	56.0	S	S	S	S
Mercedes-Benz GLS450 3.0T	46	 	86	20	 / 	 					50.5	6.4	133	42.5	S	S	S	S



BEST OF THE BEST

These are the used vehicles with rock-solid reliability and great results from our tests.

**\$5,000-
\$10,000**

COMPACT CARS

Nissan Leaf 2011-13, '15-16
Toyota Prius V 2012

The Leaf is a very affordable electric vehicle with a typical range of 75 miles. Among hybrids, the V is bigger than a standard Prius but still returns excellent fuel economy. It has a roomier rear seat and expanded cargo capability.

MIDSIZED CARS

Toyota Camry 2011-12

The Camry is a solid choice because of its outstanding reliability, strong value, and fuel-efficient powertrains.



Toyota
Prius V

Need new wheels but have a tight budget? Buying used is a way to get the biggest bang for your buck. It's simple math: After one year the average new car has depreciated by 27 percent of its sticker price; after three years it's worth barely half its sticker price.

But picking out a good used car from a sea of bad ones has never been easy. You want one that's

reliable, affordable, and equipped with modern safety features. Add in the desire to avoid a car that has been damaged or abused and the process can feel overwhelming.

It doesn't have to be. We've created this handy guide to help you find the hatchbacks, sedans, and SUVs that are most likely to fulfill your needs without breaking down and soaking you in repair bills.



Lexus CT
200h

\$10,000-\$15,000

COMPACT CARS

Lexus CT 200h 2011-13
Toyota Corolla 2014-16

The Lexus CT is based on the Prius, but with a nicer interior and more responsive handling. Reliability is excellent, but the car has a small rear seat and cargo area. The Corolla's strength is dependability, fuel-efficient transportation. There isn't anything flashy, but the interior is comfortable and roomy.

MIDSIZED CARS

Mazda6 2014-16
Lexus ES 2011-12

The Mazda returns impressive fuel economy

without compromising performance. It's fun to drive and comfortable, and has a well-finished cabin. The ES takes the platform of the reliable Toyota Camry and adds luxury appointments, road-trip-worthy front seats, and a quiet cabin.

WAGONS

Toyota Venza 2011-14

Part wagon, part SUV, the Venza has a quiet interior, a roomy rear seat, and a generous cargo area. Handling is secure though not sporty. Reliability is rock-solid, making this a wise choice.

SMALL SUVs

Honda CR-V 2012-14

This affordable and functional SUV has generous rear seat and cargo room. Fuel economy is good, and the suspension soaks up bumps with ease.

MIDSIZED SUVs

Lexus RX 2011-12

The RX offers a cabin that is quiet, comfortable, and luxurious; fuel-efficient gas and hybrid powertrains; and a plush ride. Reliability has been stellar.

Each model performed well in our road tests when it was new and had above-average reliability for the model years shown. In addition, each offered ESC as a standard or optional feature.

Even for the used cars that we recommend, there can be stinkers—because of a bad day at the factory or a former owner who didn't care much for car maintenance

and neglected the car. Because of this, make sure to pay for a thorough inspection by a certified mechanic before you sign on the dotted line, so there are no surprises down the road.

Of course, not every used car is a gem. This is why we also included lists of used cars that proved to be particularly troublesome—and that you should avoid considering.

\$15,000-\$20,000

COMPACT CARS

Chevrolet Bolt 2017-18

The Bolt is an affordable EV with a robust driving range of about 250 miles. It's enjoyable to drive, has a good amount of passenger and cargo room, although the ride can get overly choppy over rough surfaces.

MIDSIZED

AND LARGE CARS

Toyota Camry 2016-17 Lexus GS 2013

The Camry's 2015 redesign made it an even better sedan, with fuel-efficient

powertrains and well-equipped interiors. The GS was transformed with its 2013 redesign: It became a true sports sedan yet retained a supple ride. Its roomy, comfortable, and luxurious cabin is an excellent place to spend time as the miles tick by.

SMALL AND

MIDSIZED SUVs

Hyundai Kona 2018-19

The Kona is one of the more appealing sub-compact SUVs. Its snazzy styling helps it stand out, and its smart packaging creates

quite a bit of versatility despite its compact proportions. It's easy to get into and has decent fuel economy, although it isn't too fleet of foot.

PICKUPS

Honda Ridgeline 2013-14

Toyota Tacoma 2014-15

The Honda has a carlike ride, lockable weatherproof trunk, roomy interior, and strong V6 engine. The Tacoma is more rough and utilitarian, but it's a dependable truck that holds its value.



Mazda
CX-5

**\$20,000-
\$25,000**

COMPACT CARS

Toyota Prius 2018-20

Toyota Prius Prime 2018-19

The Prius' 52 mpg overall is outstanding for a vehicle you don't have to plug in. The Prius Prime is a plug-in hybrid can go 22 miles on a single charge and has a gas-electric range of 590 miles.

SEDANS

Infiniti Q50 2017

The Q50 sports sedan is enjoyable to drive, with a powerful V6 engine and impressive handling agility. Interior room is good for the class, and the seats are comfortable and supportive.

SPORTY CARS/CONVERTIBLES

Mazda MX-5 Miata 2017, 2019

The Miata feels light and quick, is frugal with fuel, and is fun to drive at slow and fast speeds. It gets loud and has a stiff ride, but it's sure to put a smile on your face when you can take your time and drive it on curvy roads.

SMALL AND MIDSIZED SUVs

Mazda CX-5 2018-19

Toyota 4Runner 2013-15

Mazda's CX-5 has taut, agile handling and well-weighted steering, although the ride is choppy and the cabin gets loud. If you spend time off the beaten path, the 4Runner is an off-road champ. It has a well-finished and quiet interior, a smooth V6 engine, and an available third-row seat.

Toyota
Camry





USED CARS



Toyota
Highlander

\$25,000-\$30,000

MIDSIZED CARS

Acura TLX 2018

Buyers can find TLXs with four- and six-cylinder engines, the

latter available with all-wheel drive. Both deliver good fuel economy, and 2018 brought standard forward

collision warning and automatic emergency braking.

SMALL SUVS

Lexus NX 2018

The NX returns good fuel economy, both from the turbo four-cylinder and the 2.5-liter hybrid, and it has stellar reliability. However, the NX's ride is fairly stiff, the interior is cramped, and the controls are frustrating to use.

MIDSIZED AND LARGE SUVS

Toyota Highlander 2017-18

The roomy Highlander three-row SUV is available with four- and six-cylinder engines, as well as a fuel-efficient V6-powered Hybrid version. It has a quiet

interior, room for seven, straightforward controls, and top-notch reliability.

PICKUPS

Toyota Tundra 2016-17

Among full-sized pickups, the Tundra is a reliable option. There's plenty of power from the V8 engine, off-road prowess and towing capability are impressive, and fuel economy is competitive. The dampening feature, which slowly lowers the heavy tailgate rather than letting it slam down, is a nice convenience feature.

WORST USED CARS

Listed alphabetically these 123 vehicles have records of much-worse-than-average reliability, based on member responses to our Annual Auto Surveys.

ACURA

MDX '20; RDX '20

ALFA ROMEO

Stelvio '18

AUDI

A3 '17, A4 '11, '14; A5 '13
A6 '15; Allroad '14
Q5 '12-13; Q8 '19; E-Tron '19

BMW

3 Series '11-13; 4 Series '17
5 Series '11-13, '18
X1 '14; X3 '13, '15, '20
X5 '12-14, '19

BUICK

Enclave '11-12, '18
Encore '15-17
Lucerne '11

CADILLAC

CT6 '17; XT4 '19; XTS '14

CHEVROLET

Blazer '20
Camaro '17
Colorado '17-19

CORVETTE

'15-16
Cruze '11, '14-16, '18
Equinox '11-12; Impala '11
Malibu '13, '16-18
Silverado 1500 '15, '17, '19-20
Silverado 1500 LD '19
Silverado 2500 HD '15, '17
Sonic '13
Suburban '11-12, '15-16
Tahoe '14-17
Traverse '12-13, '18
Volt '19

CHRYSLER

200 '15; Pacifica '17-18
Town & Country '11-14

DODGE

Durango '16, '18
Grand Caravan '11-14, '18-19

FIAT

500 '12

FORD

EcoSport '19; Edge '12
Escape '20
Expedition '15-16, '18
Explorer '11, '16-17, '20
F-150 '17-18, '20; F-250 '16-18
F-350 '11, '16, '18 Fiesta '11, '14; Focus '12-17
Mustang '15-16, '18
Ranger '19

GMC

Acadia '11-13, '16-17, '20
Canyon '17-19
Sierra 1500 '15, '17, '19-20
Sierra 1500 Limited '19
Sierra 2500 HD '15, '17
Terrain '11-12
Yukon '14-17
Yukon XL '11-12, '15-16

HONDA

Pilot '16

HYUNDAI

Elantra '16, '20
Sonata '11, '17-18
Tucson '15-17

INFINITI

QX60 '14

JEEP

Cherokee '14-16, '19
Compass '18
Grand Cherokee '11-13
Renegade '18
Wrangler '12-15, '18-19
Wrangler JK '18

KIA

Forte '17, '19
Niro Electric '19
Optima '12
Sorento '12-13, '20
Soul '20

LEXUS

LS '18

LINCOLN

Aviator '20
Continental '17
Corsair '20
MKC '17
MKZ '15
Nautilus '19

MAZDA

CX-3 '17; CX-9 '13

MERCEDES-BENZ

C-Class '16
E-Class '17, '19
GLC '19; GLE '20

MINI

Cooper '11-13, '15, '18

Cooper Clubman '11-13, '15, '18

NISSAN

Altima '14, '16
Leaf '18
Maxima '17
Pathfinder '13-15, '17
Rogue '19
Sentra '13, '15, '17

PORSCHE

Cayenne '14, '16
Macan '15-16

RAM

2500 '14, '17-18
3500 '18

SUBARU

Ascent '19
Impreza '13
XV Crosstrek '13

TESLA

Model S '19-20
Model X '17, '19
Model Y '20

VOLKSWAGEN

Atlas '18
GTI '15, '17, '19
Golf Alltrack '18
Jetta '12-13, '15, '19
Passat '12, '14
Tiguan '12-13, '16, '18

VOLVO

S60 '12
S90 '18
V90 '18
XC60 '15, '19-20
XC90 '16-17, '19

Reliable Used Cars for Every Budget

Here are all the most reliable 2011 to 2020 models, so you can find the newest used vehicle with the most up-to-date safety

features. All the models listed in the charts come standard with electronic stability control (ESC), a key safety feature. Models

highlighted in **blue** performed well in our testing when new and have multiple years of better-than-average reliability.

Make + Model	Prices				
	\$5K-\$10K	\$10K-\$15K	\$15K-\$20K	\$20K-\$25K	\$25K-\$30K

CARS: SMALL

BMW i3	—	—	'17	—	—
Chevrolet Bolt	—	—	'17-18	'19-20	—
Chevrolet Volt	'12-14	'15	—	—	—
Ford C-Max	'13-14	'16-17	—	—	—
Honda Civic	'12	'13-15	—	—	—
Honda Clarity	—	—	—	'18	—
Honda Fit	'11-13	—	'17-19	—	—
Honda Insight	—	—	'19	—	—
Hyundai Accent	'12-13	—	—	—	—
Hyundai Elantra	'12,'14	—	'18	'19-20	—
Kia Niro	—	—	'17	'19	—
Kia Soul	'13	'15-18	'19	—	—
Lexus CT 200h	—	'11-13	—	—	—
Mazda3	'12-13	'14-16	'17-18	'20	—
Nissan Leaf	'11-13,'15-16	'17	—	'19	—
Toyota Corolla	'11-13	'14-16	'17-18	'20	—
Toyota Prius	'11-12	'13-15	'16-17	'18-20	—
Toyota Prius C	'12-14	'15-16	'18	—	—
Toyota Prius Prime	—	—	'17	'18-19	'20
Toyota Prius V	'12	'13-15	'16-17	—	—
Volkswagen Beetle	'13	—	'17-18	'19	—
Volkswagen Golf	—	—	'17-18	'19	—

CARS: MIDSIZED AND LARGE

Chevrolet Impala	—	'15	—	'19	—
Chrysler 300	—	'13	—	'18	—
Ford Fusion	—	'14,'16	—	'19	—
Ford Taurus	'11	'14	—	—	—
Honda Accord	'11-12	'13-14	'15-16	'17	'20
Hyundai Azera	'13	—	—	—	—
Kia Optima	—	'15	'17-18	—	—
Mazda6	—	'14-16	'17-18	'19	—

Make + Model	Prices				
	\$5K-\$10K	\$10K-\$15K	\$15K-\$20K	\$20K-\$25K	\$25K-\$30K

CARS: MIDSIZED AND LARGE *Continued*

Nissan Altima	—	—	'18	'20	—
Nissan Maxima	—	'14	'16	—	—
Subaru Legacy	—	'13-15	'17-18	'19	—
Toyota Avalon	—	'11-14	'15-16	'17-18	—
Toyota Camry	'11-12	'13-15	'16-17	'18-19	'20
Volkswagen Passat	—	—	'16-17	—	—

CARS: LUXURY

Acura TL	—	'13-14	—	—	—
Acura TLX	—	—	'15-16	'17	'18
Acura TSX	—	'12	—	—	—
Audi A4	—	—	'15-16	'17	'18
Audi A6	—	'12	—	—	'17-18
BMW 3 Series	—	—	'16	'17	'18
BMW 5 Series	—	—	'15	'16	—
Buick LaCrosse	—	'12	'16	'17	—
Buick Regal	—	'15	—	'18	—
Cadillac CTS	'11	'12	—	—	—
Genesis G80	—	—	—	—	'17
Hyundai Genesis	'11	—	—	'16	—
Infiniti G	'11-12	'13	—	—	—
Infiniti M	—	'11-12	—	—	—
Infiniti Q50	—	—	'14-15	'17	'18-19
Infiniti Q70	—	—	—	'15	—
Lexus ES	—	'11-12	'13-15	'16	'17
Lexus GS	—	—	'13	'14	'15-16
Lexus IS	—	—	—	'14-15	—
Lexus LS	—	—	'11-12	'13	'14
Lincoln MKZ	'11	'13	'16	'18	'19
Mercedes-Benz C-Class	—	'12	—	—	—
Mercedes-Benz E-Class	—	'11	—	'15	'16
Volvo S60	—	—	'16-17	'18	—



USED CARS

Make + Model	Prices				
	\$5K-\$10K	\$10K-\$15K	\$15K-\$20K	\$20K-\$25K	\$25K-\$30K

SPORTS CARS/CONVERTIBLES

Audi A5	—	—	'14-15	'16	—
BMW 2 Series	—	—	'15	'16	'17
BMW 4 Series	—	—	—	'15-16	—
Dodge Challenger	—	—	—	—	'18
Mazda MX-5 Miata	—	'12	'15-16	'17,'19	—
Scion FR-S	—	'13	—	—	—
Subaru BRZ	—	'13	—	—	—

WAGONS AND MINIVANS

Honda Crosstour	'12	'13	—	—	—
Kia Sedona	—	—	'17	—	—
Mazda5	—	'15	—	—	—
Toyota Sienna	'11	'12-14	'15-16	—	—
Toyota Venza	—	'11-14	'15	—	—
Volvo V60	—	—	'16	'17-18	—
Volvo XC70	—	—	'16	—	—

SUVs: SMALL

Acura RDX	'11	'13	'14-16	—	'18
Audi Q3	—	—	—	—	'18
Audi Q5	—	—	—	'16	'17
Buick Encore	—	—	'18-19	—	—
Buick Envision	—	—	—	'18-19	'20
Honda CR-V	'11	'12-14	'15-16	'18	'19-20
Honda HR-V	—	—	'16, '18	'19-20	—
Hyundai Kona	—	—	'18-19	'20	—
Hyundai Tucson	'12	—	'18	'19-20	—
Infiniti QX50	—	—	—	'17	—
Kia Sportage	'11	—	'17-18	'20	—
Lexus NX	—	—	—	'15-16	'18
Lexus UX	—	—	—	—	'19
Lincoln MKC	—	—	—	'18	—
Mazda CX-3	—	—	'19	—	—
Mazda CX-5	—	'13-15	'16-17	'18-19	'20
Nissan Rogue	—	'14,'16	'17-18	—	—
Subaru Crosstrek	—	—	'17	'18-19	—
Subaru Forester	—	—	'16	'18	'19-20
Toyota RAV4	—	'11-14	'15-17	'18	—

Make + Model	Prices				
	\$5K-\$10K	\$10K-\$15K	\$15K-\$20K	\$20K-\$25K	\$25K-\$30K

SUVs: MIDSIZED AND LARGE

Acura MDX	—	—	'13-15	—	—
Chevrolet Equinox	—	—	'17	'19	—
Chevrolet Tahoe	—	'11-12	'13	—	—
Ford Edge	—	'14	'15	'18-19	'20
GMC Terrain	—	—	'17	'19	—
GMC Yukon	—	'11-12	'13	—	—
Honda Pilot	'11	'12	'14-15	—	'18
Hyundai Santa Fe	—	—	'17	'18-19	—
Kia Sorento	—	—	'17	'18	—
Lexus GX	—	—	—	—	'15
Lexus RX	—	'11-12	'13-14	'15	'16
Mazda CX-9	—	'14	'16	'17	'18
Nissan Murano	'12	'14	'16	'17	'19-20
Subaru Outback	—	'14	'16-17	'18	'19
Toyota 4Runner	—	—	'11-12	'13-15	'16-17
Toyota Highlander	—	'11-12	'13-14	'15-16	'17-18

PICKUP TRUCKS

Ford F-250w	—	—	'11-12	—	—
Ford Ranger	'11	—	—	—	—
Honda Ridgeline	—	'11-12	'13-14	—	—
Nissan Frontier	'11	'12-14	'15	—	—
Toyota Tacoma	—	'11-13	'14-15	'16	'17
Toyota Tundra	—	'11-12	'13-14	'15	'16-17

Most and Least Reliable Cars

HOW TO READ OUR RELIABILITY CHARTS

New Model Prediction This is our projection of how reliable a 2021 or early 2022 model is likely to be. It is determined using the average of the same model's overall reliability ratings for the past three years, provided the model was not redesigned or significantly changed during that time. If the model was redesigned in 2020 or 2019, we might make a reliability determination based on just one or two years' data. For new or redesigned models, we base our prediction on the

reliability history of the previous generation, brand, and similar models. A blank indicates the model was discontinued.

Overall Reliability (Used Cars) This rating indicates how many problems a model has had compared with the average problem rate for vehicles of the same model year, as reported by our members in the 17 trouble spots. More serious problems, such as major engine and transmission, engine cooling, and drive system categories, can be more expensive to repair and are given extra weight in our scoring.

Trouble Spots Models that score a 🚩 are not necessarily unreliable, but they suffer

a higher rate of problems than the average model. Similarly, models that score a 🟢 are not necessarily trouble-free, but they have relatively few problems compared with other models of the same year. Newer vehicles should have few, if any, problems and all score 🟢. In some cases a model may score 🟢 and 🟢 in most categories, but the verdict is a 🟡 or lower because it still has more problems than the average model overall. An empty column indicates the model wasn't sold that year; a column of asterisks (*) indicates that there is insufficient data for that year. Redesigned or newly introduced model years are noted with the model year appearing inside a gray box.

17 TROUBLE SPOTS WE LOOK AT

Engine, Major Engine rebuild or replacement, cylinder head, head gasket, turbo or supercharger, timing chain or timing belt.

Engine, Minor Oil or fuel leaks, accessory belts and pulleys, engine computer, engine mounts, engine knock or ping, difficult to fill up the gas tank.

Engine, Cooling Radiator, cooling fan, antifreeze leaks, water pump, thermostat, overheating.

Transmission, Major Transmission rebuild or replacement, torque converter, premature clutch replacement.

Transmission, Minor Gear selector or linkage, coolers and lines, rough shifting, slipping transmission, leaks, transmission computer, transmission sensor or solenoid, clutch adjustment, hydraulics (clutch master or slave cylinder).

Drive System Driveshaft or axle, CV joint, differential, transfer case, 4WD/AWD components, driveline vibration, traction control, electronic stability control (ESC), electrical failure.

Fuel System Sensors (includes O2 or oxygen sensor), emission control devices (includes EGR), fuel gauge/sender, fuel injection system, fuel pump.

Electrical Alternator, starter, hybrid/electric battery replacement, hybrid/electric battery and related systems, regular battery, battery cables, engine harness, coil, ignition switch, electronic ignition, spark plugs and wires failure.

Climate System Blower (fan) motor, A/C compressor, condenser, evaporator, heater system, automatic climate control, refrigerant leakage, electrical failure.

Suspension Shocks or struts, ball joints, tie rods, wheel bearings, alignment, steering linkage (includes rack and pinion), power steering

(pumps and hoses, leaks), wheel balance, springs or torsion bars, bushings, electronic or air suspension.

Brakes Premature wear, pulsation or vibration, squeaking, master cylinder, calipers, rotors, antilock brake system (ABS), parking brake, brake failure.

Exhaust Muffler, pipes, catalytic converter, exhaust manifold, leaks.

Paint/Trim Paint (fading, chalking, cracking, peeling), loose trim or moldings, rust.

Noises/Leaks Squeaks or rattles, seals and/or weather stripping, air or water leaks, wind noise.

Body Hardware Windows, locks and latches, tailgate, hatch or trunk, doors or sliding doors, mirrors, seat controls (power or manual), seat belts, sunroof, convertible top, glass defects.

Power Equipment and Accessories Cruise control, clock, warning lights, body control module, keyless entry, wiper motor or washer, tire pressure monitor,

interior or exterior light, horn, gauges, 12V power plug, remote engine start, alarm or security system, heated or cooled seats, heated steering wheel.

In-Car Electronics Audio system, entertainment system, navigation system, backup camera/sensors, communication system.

AVERAGE PROBLEM RATES

This chart shows the average rates of problems for all vehicles in our survey. For example, in 2015, fewer than one percent of vehicles had exhaust problems on average. Models with fewer problems will score a 🟢 or 🟢; models with more problems will score a 🟡 or 🚩.

	'13	'14	'15	'16	'17	'18	'19	'20
Engine, Major	3	2	1	1	1	1	<1	<1
Engine, Minor	3	2	2	1	1	1	<1	<1
Engine, Cooling	1	1	1	<1	<1	<1	<1	<1
Transmission, Major	2	1	1	1	1	<1	<1	<1
Transmission, Minor	1	2	1	1	1	1	1	<1
Drive System	1	1	1	1	1	1	1	<1
Fuel System	2	2	1	1	1	1	<1	<1
Electrical	1	1	1	1	<1	<1	<1	<1
Climate System	3	3	2	2	1	1	1	<1
Suspension	3	3	2	1	1	1	1	<1
Brakes	3	2	2	2	1	1	1	<1
Exhaust	1	<1	<1	<1	<1	<1	<1	<1
Paint/Trim	2	1	1	1	1	1	1	1
Noises/Leaks	3	2	2	2	2	2	1	1
Body Hardware	2	1	1	1	1	1	1	1
Power Equipment	3	3	2	2	2	2	1	1
In-Car Electronics	3	4	3	3	3	3	3	2











































































































































































































RELIABILITY ACURA - CHEVROLET

















































































































New Model Prediction ▶	Acura MDX	Acura RDX	Acura TLX	Audi A3	Audi A4
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	Audi A5	Audi A6	Audi Q3	Audi Q5	Audi Q7
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	BMW 2 Series	BMW 3 Series	BMW 4 Series	BMW 5 Series	BMW X1
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

BMW X3 	BMW X5 	Buick Enclave 	Buick Encore 	Buick Envision 	Buick LaCrosse
'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

Buick Regal	Cadillac CTS	Cadillac SRX	Cadillac XT4 	Cadillac XT5 	Chevrolet Blazer 
'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					

Chevrolet Bolt 	Chevrolet Colorado 	Chevrolet Corvette 	Chevrolet Cruze	Chevrolet Equinox 	Chevrolet Impala
'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					
					



RELIABILITY CHEVROLET - GMC

New Model Prediction ▶	Chevrolet Malibu	Chevrolet Silverado 1500	Chevrolet Silverado 2500HD	Chevrolet Suburban	Chevrolet Tahoe
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability	* *			*	
Engine, Major	* *			*	
Engine, Minor	* *			*	
Engine, Cooling	* *			*	
Transmission, Major	* *			*	
Transmission, Minor	* *			*	
Drive System	* *			*	
Fuel System	* *			*	
Electrical	* *			*	
Climate System	* *			*	
Suspension	* *			*	
Brakes	* *			*	
Exhaust	* *			*	
Paint/Trim	* *			*	
Noises/Leaks	* *			*	
Body Hardware	* *			*	
Power Equipment	* *			*	
In-Car Electronics	* *			*	

New Model Prediction ▶	Chevrolet Traverse	Chevrolet Volt	Chrysler 300	Chrysler Pacifica	Chrysler Town & Country
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability			* * * *		
Engine, Major			* * * *		
Engine, Minor			* * * *		
Engine, Cooling			* * * *		
Transmission, Major			* * * *		
Transmission, Minor			* * * *		
Drive System			* * * *		
Fuel System			* * * *		
Electrical			* * * *		
Climate System			* * * *		
Suspension			* * * *		
Brakes			* * * *		
Exhaust			* * * *		
Paint/Trim			* * * *		
Noises/Leaks			* * * *		
Body Hardware			* * * *		
Power Equipment			* * * *		
In-Car Electronics			* * * *		

New Model Prediction ▶	Dodge Challenger	Dodge Durango	Dodge Grand Caravan	Ford C-Max	Ford Edge
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability	* * * * * * *	* * *			
Engine, Major	* * * * * * *	* * *			
Engine, Minor	* * * * * * *	* * *			
Engine, Cooling	* * * * * * *	* * *			
Transmission, Major	* * * * * * *	* * *			
Transmission, Minor	* * * * * * *	* * *			
Drive System	* * * * * * *	* * *			
Fuel System	* * * * * * *	* * *			
Electrical	* * * * * * *	* * *			
Climate System	* * * * * * *	* * *			
Suspension	* * * * * * *	* * *			

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RELIABILITY GMC - KIA

New Model Prediction ▶	GMC Yukon	GMC Yukon XL	Honda Accord	Honda Civic	Honda Clarity
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	Honda CR-V	Honda Fit	Honda HR-V	Honda Insight	Honda Odyssey
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	Honda Passport	Honda Pilot	Honda Ridgeline	Hyundai Elantra	Hyundai Ioniq
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

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RELIABILITY KIA - NISSAN

New Model Prediction ▶	Kia Sedona	Kia Sorento	Kia Soul	Kia Sportage	Kia Stinger
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability	* * * *			* * *	* * *
Engine, Major	* * * *			* * *	* * *
Engine, Minor	* * * *			* * *	* * *
Engine, Cooling	* * * *			* * *	* * *
Transmission, Major	* * * *			* * *	* * *
Transmission, Minor	* * * *			* * *	* * *
Drive System	* * * *			* * *	* * *
Fuel System	* * * *			* * *	* * *
Electrical	* * * *			* * *	* * *
Climate System	* * * *			* * *	* * *
Suspension	* * * *			* * *	* * *
Brakes	* * * *			* * *	* * *
Exhaust	* * * *			* * *	* * *
Paint/Trim	* * * *			* * *	* * *
Noises/Leaks	* * * *			* * *	* * *
Body Hardware	* * * *			* * *	* * *
Power Equipment	* * * *			* * *	* * *
In-Car Electronics	* * * *			* * *	* * *

New Model Prediction ▶	Kia Telluride	Lexus ES	Lexus GS	Lexus GX	Lexus IS
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability			* *	* * *	* * * * * *
Engine, Major			* *	* * *	* * * * * *
Engine, Minor			* *	* * *	* * * * * *
Engine, Cooling			* *	* * *	* * * * * *
Transmission, Major			* *	* * *	* * * * * *
Transmission, Minor			* *	* * *	* * * * * *
Drive System			* *	* * *	* * * * * *
Fuel System			* *	* * *	* * * * * *
Electrical			* *	* * *	* * * * * *
Climate System			* *	* * *	* * * * * *
Suspension			* *	* * *	* * * * * *
Brakes			* *	* * *	* * * * * *
Exhaust			* *	* * *	* * * * * *
Paint/Trim			* *	* * *	* * * * * *
Noises/Leaks			* *	* * *	* * * * * *
Body Hardware			* *	* * *	* * * * * *
Power Equipment			* *	* * *	* * * * * *
In-Car Electronics			* *	* * *	* * * * * *

New Model Prediction ▶	Lexus LS	Lexus NX	Lexus RX	Lexus UX	Lincoln Aviator
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability	* *			*	
Engine, Major	* *			*	
Engine, Minor	* *			*	
Engine, Cooling	* *			*	
Transmission, Major	* *			*	
Transmission, Minor	* *			*	
Drive System	* *			*	
Fuel System	* *			*	
Electrical	* *			*	
Climate System	* *			*	
Suspension	* *			*	
Brakes	* *			*	
Exhaust	* *			*	
Paint/Trim	* *			*	
Noises/Leaks	* *			*	
Body Hardware	* *			*	
Power Equipment	* *			*	
In-Car Electronics	* *			*	

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RELIABILITY NISSAN - TOYOTA

New Model Prediction ▶	Nissan Frontier	Nissan Leaf	Nissan Maxima	Nissan Murano	Nissan Pathfinder
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	Nissan Rogue	Nissan Rogue Sport	Nissan Sentra	Porsche Cayenne	Porsche Macan
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	Ram 1500	Ram 2500	Subaru Ascent	Subaru Forester	Subaru Impreza
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

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RELIABILITY TOYOTA - VOLVO



New Model Prediction ▶	Toyota Tacoma	Toyota Tundra	Toyota Venza	Volkswagen Atlas	Volkswagen Beetle
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	Volkswagen Golf	Volkswagen Golf Alltrack	Volkswagen GTI	Volkswagen Jetta	Volkswagen Passat
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					

New Model Prediction ▶	Volkswagen Tiguan	Volvo S60	Volvo XC40	Volvo XC60	Volvo XC90
	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20	'13 '14 '15 '16 '17 '18 '19 '20
Overall Reliability					
Engine, Major					
Engine, Minor					
Engine, Cooling					
Transmission, Major					
Transmission, Minor					
Drive System					
Fuel System					
Electrical					
Climate System					
Suspension					
Brakes					
Exhaust					
Paint/Trim					
Noises/Leaks					
Body Hardware					
Power Equipment					
In-Car Electronics					



Tires

Your vehicle's handling, braking, ride comfort, and fuel economy are all directly impacted by the tires it's equipped with. More important, the tire's cornering grip, braking distances, and resistance to hydroplaning all affect your safety on the road.



Consumer Reports tests 40 or more tire models every year, with each going through as many as 14 rigorous tests. We've found that you generally get what you pay for. No matter the type, tires that combine the best grip with the longest tread life may cost a little more but will probably be worth it in the long run. For example, a \$130 tire that will last twice as long as an \$87 tire is a better buy, assuming all other factors are equal. Still, the cheaper tire may be just fine if you won't be keeping your car for long.

When buying new tires, we recommend sticking to the same type and size tire that originally came on your car. First, check the ratings for tires that provide good braking and handling capabilities, as well as good

resistance to hydroplaning (how well the tire resists skimming on standing water in the road), which can help you avoid an accident. After that, look for those rated highly in areas important to you, such as winter grip, tread life, ride comfort, and rolling resistance.

We have found that some tires with lower rolling resistance allowed our test cars to get 1 or 2 more mpg than tires with the highest rolling resistance.

But the mileage you get with brand-new, low-rolling resistance tires may initially be worse than the old tires you are replacing. This is because tires with tens of thousands of miles of wear have less tread and behave more like low-rolling resistance tires.

Our latest tests include the projected wear-out mileage of a tire. To determine

longevity, we test tread life at a contract lab in Texas, where each tire is driven at least 16,000 miles or more on public roads. We've been conducting this test annually for several years.

Our tread-life estimates let you compare the expected miles-to-wear-out for the specific tires we tested. Your actual experience will vary by how and where you drive, and what vehicle you use, among other factors.

Many tires have a pro-rated treadwear warranty, but the tread-life mileage in the following charts will give you a direct comparison.

Remember that if you buy tires online, you may have to pay for shipping and for mounting and balancing when the tires arrive. And always check tire maker websites for rebates.

All-Season

These are the tires that come standard on many cars, minivans, and SUVs.

BEST FOR: Year-round traction, long tread life, and a comfortable ride. But they may lack the precise handling and grip of performance tires.

SPEED RATING: Most are T (118 mph), or H (130 mph).

TREADWEAR WARRANTY: Typically 40,000 to 100,000 miles.

Performance All-Season

They come standard on many newer cars.

BEST FOR: Improved handling over all-season tires, but often have shorter treadwear than many all-season tires.

SPEED RATING: Typically V (149 mph).

TREADWEAR WARRANTY: Typically 55,000 to 85,000 miles.

Ultra-High-Performance All-Season & Summer

Found on sports cars, sports sedans, and some lower-priced sporty models.

BEST FOR: Wet and dry braking and handling. But they trade some winter performance for ultimate warm-weather grip.

SPEED RATING: Z (more than 149 mph), W (168 mph), or Y (186 mph).

TREADWEAR WARRANTY: None or 25,000 to 60,000 miles.

All-Weather

Designed for year-round use. Better snow traction than all-season tires.

BEST FOR: Year-round use, and where snow and ice are common challenges.

SPEED RATING: W (168 mph) or V (149 mph).

TREADWEAR WARRANTY: Typically 50,000 to 65,000 miles.



TIRES

All-Season SUV

These tires deliver the ride comfort, quietness, and long tread life of a car all-season tire but in the sizes to fit crossover SUVs.

BEST FOR: Year-round traction, long tread life, and a comfortable ride.

SPEED RATING: H (130 mph) or V (149 mph).

TREADWEAR WARRANTY: Typically 40,000 to 75,000 miles.

All-Season Truck

Designed for the rigors of truck use.

BEST FOR: All-season models

are made primarily for on-road use.

SPEED RATING:

S (112 mph), T (118 mph), H (130 mph), or V (149 mph).

TREADWEAR WARRANTY:

Typically 60,000 to 80,000 miles.

All-Terrain Truck

Designed for the rigors of truck use.

BEST FOR: All-terrain models are designed for on-road and light-duty off-pavement use.

SPEED RATING:

S (112 mph) or T (118 mph).

TREADWEAR WARRANTY:

Typically 50,000 to 65,000 miles.

Winter/Snow and Performance Winter/Snow

Specially made for use in freezing temperatures and on snow and ice.

BEST FOR: Maintaining traction on snow and ice.

But fast wear and so-so wet and dry braking make them most suitable only for cold-weather use.

SPEED RATING: Q (99 mph), R (106 mph), S (112 mph), T (118 mph), H (130 mph), and V (149 mph)

TREADWEAR WARRANTY:

Usually none.

Winter/Snow Truck

Specially made for use in freezing temperatures and on snow and ice by pickups and SUVs.

BEST FOR: Maintaining traction on snow and ice.

But fast wear and so-so wet and dry braking make them most suitable only for cold-weather use.

SPEED RATING: R (106 mph), S (112 mph), or T (118 mph).

TREADWEAR WARRANTY:

Usually none.

Tested products in performance order.

Brand + Model		Overall Score	Price	Three-Season Driving				Winter Driving		Comfort		Other	
				Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (Miles)
ALL SEASON TIRES													
✓	Michelin Defender T+H	67	\$179	⬆	⬇	⬆	⬆	⬆	⬇	⬇	⬆	⬇	85,000
✓	General Altimax RT43	66	\$129	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬇	70,000
	Continental TrueContact Tour	63	\$139	⬆	⬇	⬆	⬆	⬆	⬇	⬇	⬆	⬇	70,000
	Hankook Kinergy PT	63	\$123	⬆	⬇	⬆	⬆	⬆	⬇	⬇	⬆	⬆	85,000
	BFGoodrich Advantage Control All Season	62	\$126	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇	55,000
	Firestone All Season	61	\$104	⬆	⬇	⬇	⬆	⬆	⬇	⬇	⬆	⬆	65,000
	Toyo Extensa A/S II	58	\$119	⬆	⬇	⬇	⬆	⬇	⬇	⬇	⬆	⬆	65,000
	Firestone WeatherGrip*	58	\$134	⬇	⬇	⬇	⬆	⬆	⬆	⬇	⬇	⬇	55,000
PERFORMANCE ALL-SEASON TIRES													
✓	Michelin CrossClimate2	74	\$179	⬆	⬆	⬆	⬆	⬆	⬇	⬆	⬆	⬇	85,000
✓	Continental PureContact LS	67	\$142	⬆	⬆	⬆	⬆	⬆	⬇	⬇	⬆	⬇	75,000
✓	Hankook Kinergy 4s2*	67	\$129	⬆	⬇	⬆	⬆	⬆	⬆	⬇	⬇	⬆	55,000
✓	General Altimax 365 AW*	66	\$115	⬇	⬇	⬆	⬆	⬆	⬆	⬇	⬆	⬆	60,000

Brand + Model	Overall Score	Price	Three-Season Driving				Winter Driving		Comfort		Other	
			Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (Miles)

PERFORMANCE ALL-SEASON TIRES *Continued*

✓ Vredestein Quatrac Pro*	66	\$138	↑	↑	↑	↑	↑	↓	↓	↑	↓	65,000
Nokian One	65	\$123	↑	↓	↑	↑	↑	↓	↓	↑	↓	65,000
Goodyear Assurance WeatherReady*	65	\$170	↓	↓	↑	↑	↑	↓	↓	↑	↓	70,000
Nexen N5000 Platinum	63	\$116	↑	↓	↓	↑	↑	↓	↑	↑	↑	55,000
Pirelli Cinturato P7 All Season Plus II	63	\$130	↑	↓	↑	↑	↑	↓	↓	↑	↑	60,000
Yokohama Avid Ascend LX	62	\$144	↑	↓	↑	↑	↑	↓	↑	↑	↓	70,000
Yokohama Avid Avid Ascend GT	60	\$144	↑	↓	↑	↑	↑	↓	↓	↓	↓	65,000
Uniroyal Tiger Paw Touring A/S	59	\$117	↑	↓	↓	↑	↑	↓	↑	↑	↓	55,000
Nokian WRG4*	57	\$139	↑	↓	↓	↑	↑	↓	↑	↑	↓	50,000
Firestone Firehawk AS	57	\$113	↑	↓	↑	↑	↓	↓	↓	↑	↓	55,000
Atlas Force HP	56	\$62	↑	↓	↑	↑	↓	↓	↓	↑	↓	65,000
Sumitomo HTR Enhance LX2	56	\$112	↑	↓	↓	↑	↓	↓	↓	↑	↓	60,000
Sailun Inspire	55	\$95	↑	↓	↑	↑	↓	↓	↓	↑	↓	50,000
Falken Ziex ZE960 A/S	55	\$117	↑	↓	↑	↑	↓	↓	↓	↑	↓	50,000

UHP ALL-SEASON TIRES

✓ Goodyear Eagle Exhilarate	68	\$159	↑	↑	↑	↑	↓	↑	↓	↑	↓	45,000
✓ Michelin Pilot Sport A/S 3+	66	\$159	↑	↑	↑	↑	↓	↓	↓	↓	↓	55,000
✓ General G-MAX AS-05	66	\$112	↑	↓	↑	↑	↓	↓	↓	↑	↓	65,000
BFGoodrich g-Force COMP-2 A/S	66	\$126	↑	↓	↑	↑	↑	↑	↓	↓	↓	65,000
Pirelli P Zero All Season Plus	64	\$143	↑	↓	↑	↑	↓	↓	↓	↑	↓	55,000
Continental ExtremeContact DWS06	64	\$148	↑	↑	↑	↑	↓	↓	↓	↑	↓	50,000
Kumho Ecsta PA51	62	\$134	↑	↓	↑	↑	↓	↓	↓	↑	↓	50,000
Cooper Zeon RS3-G1	61	\$119	↑	↓	↑	↑	↓	↑	↓	↓	↓	55,000
Yokohama ADVAN Sport A/S	60	\$119	↑	↓	↓	↑	↓	↓	↓	↑	↓	75,000
Hankook Ventus S1 noble 2	57	\$128	↑	↓	↓	↑	↓	↓	↓	↓	↓	55,000
Nexen N'fera AU7	56	\$114	↑	↓	↓	↑	↓	↓	↓	↑	↓	45,000
Nitto Motivo	54	\$124	↑	↓	↓	↑	↓	↓	↓	↓	↓	60,000
Atlas Force UHP	54	\$94	↑	↓	↑	↑	↓	↓	↓	↑	↓	40,000

UHP SUMMER TIRES

✓ Michelin Pilot Sport 4s	76	\$185	↑	↑	↑	↑	NA	NA	↓	↑	↓	40,000
✓ Continental ExtremeContact Sport	75	\$170	↑	↑	↑	↑	NA	NA	↓	↑	↓	40,000
✓ General G-Max RS	75	\$104	↑	↑	↑	↑	NA	NA	↓	↑	↓	45,000
Pirelli P Zero PZ4	73	\$119	↑	↑	↑	↑	NA	NA	↓	↑	↓	30,000



TIRES

Brand + Model		Overall Score	Price	Three-Season Driving				Winter Driving		Comfort		Other	
				Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (Miles)
UHP SUMMER TIRES <i>Continued</i>													
Falken Azenis FK510	73	\$115	⬆️	⬆️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬇️		35,000
Yokohama Advan Fleva V701	72	\$129	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬆️		55,000
GT Radial Champiro HPY	71	\$85	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬇️		45,000
Dunlop Sport Maxx RT2	71	\$124	⬆️	⬆️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬇️		35,000
Firestone Firehawk Indy 500	70	\$100	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬇️		40,000
Hankook Ventus V12 evo2	70	\$121	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬆️		40,000
Bridgestone Potenza S007A	67	\$152	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬇️	⬆️		40,000
Bridgestone Potenza S001	67	\$176	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬇️	⬇️		35,000
Bridgestone RE-71R	67	\$170	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬇️	⬇️		25,000
Nexen N'fera SU1	66	\$109	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬆️		40,000
Toyo Proxes Sport	66	\$120.8	⬆️	⬆️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬆️		30,000
Yokohama ADVAN Sport V105	65	\$229	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬇️		40,000
Sumitomo HTR ZIII	63	\$105	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬇️		40,000
Yokohama S.drive	60	\$119	⬆️	⬇️	⬇️	⬆️	NA	NA	⬇️	⬆️	⬇️		40,000
Sentury UHP	59	\$60	⬆️	⬇️	⬇️	⬆️	NA	NA	⬇️	⬆️	⬆️		60,000
Achilles ATR Sport	58	\$64	⬆️	⬇️	⬇️	⬆️	NA	NA	⬇️	⬆️	⬆️		45,000
BFGoodrich g-Force Sport COMP-2	58	\$129	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬇️	⬇️		40,000
Nitto NT555 G2	58	\$134	⬆️	⬇️	⬆️	⬆️	NA	NA	⬇️	⬆️	⬇️		65,000
Armstrong Blu-Trac HP	57	\$149	⬆️	⬇️	⬇️	⬆️	NA	NA	⬇️	⬆️	⬆️		40,000
ALL-SEASON SUV TIRES													
✔️ Michelin CrossClimate SUV*	74	\$205	⬆️	⬆️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬆️		40,000
✔️ Vredestein HiTrac	69	\$169	⬆️	⬇️	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬆️		55,000
✔️ Goodyear Assurance ComfortDrive	67	\$198	⬆️	⬆️	⬆️	⬆️	⬇️	NA	⬇️	⬆️	⬆️		80,000
✔️ Kumho Crugen HP71	66	\$139	⬆️	⬇️	⬆️	⬆️	⬇️	NA	⬆️	⬆️	⬆️		55,000
Pirelli Scorpion Verde All Season Plus II	65	\$169	⬆️	⬇️	⬆️	⬆️	⬆️	NA	⬆️	⬆️	⬆️		45,000
Falken Ziex CT60 A/S	65	\$159	⬆️	⬇️	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬆️		60,000
Sumitomo HTR Enhance CX2	65	\$146	⬆️	⬇️	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬆️		75,000
Continental CrossContact LX25	64	\$169	⬆️	⬇️	⬇️	⬆️	⬆️	NA	⬆️	⬆️	⬆️		85,000
Michelin Defender LTX M/S [H]	64	\$190	⬇️	⬇️	⬆️	⬆️	⬆️	NA	⬇️	⬇️	⬆️		90,000
Sentury Crossover	63	\$80	⬆️	⬆️	⬆️	⬆️	⬇️	NA	⬇️	⬆️	⬆️		50,000
Nokian WR G4 SUV*	63	\$185	⬆️	⬇️	⬇️	⬆️	⬆️	NA	⬆️	⬆️	⬆️		55,000
Nokian eNTYRE C/S	62	\$159	⬆️	⬇️	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬆️		60,000
Hankook Dynapro HP2	61	\$159	⬆️	⬇️	⬆️	⬆️	⬆️	NA	⬇️	⬆️	⬆️		85,000
Nexen Roadian GTX	60	\$151	⬆️	⬇️	⬇️	⬆️	⬆️	NA	⬇️	⬆️	⬆️		45,000
Nitto NT421Q	58	\$148	⬆️	⬇️	⬇️	⬆️	⬆️	NA	⬇️	⬆️	⬆️		60,000

Brand + Model	Overall Score	Price	Three-Season Driving				Winter Driving		Comfort		Other	
			Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (Miles)

ALL-SEASON TRUCK TIRES

✓ Continental TerrainContact H/T	69	\$166	↑	↓	↑	↓	↑	NA	↑	↑	↑	95,000
General Grabber HTS60	62	\$166	↑	↓	↓	↑	↑	NA	↓	↑	↑	75,000
Michelin Defender LTX M/S [T]	62	\$229	↓	↓	↓	↑	↑	NA	↓	↑	↑	80,000
Laufenn X Fit HT	57	\$157	↑	↓	↓	↑	↑	NA	↓	↑	↑	55,000
Kumho Crugen HT51	56	\$139	↑	↓	↓	↑	↑	NA	↓	↑	↑	55,000
Bridgestone Dueler Alenza H/L Plus	55	\$189	↑	↓	↓	↑	↓	NA	↓	↑	↑	65,000
Falken Wildpeak H/T HT02	54	\$169	↑	↓	↑	↑	↓	NA	↓	↑	↓	45,000
Nokian Rotiiva HT	54	\$177	↑	↓	↑	↑	↓	NA	↓	↑	↑	60,000
Firestone Destination LE3	54	\$150	↓	↓	↓	↑	↑	NA	↑	↑	↑	60,000
Hankook Dynapro HT	54	\$155	↑	↓	↓	↑	↑	NA	↓	↑	↑	60,000
Sumitomo Encounter HT	53	\$139	↑	↓	↓	↑	↓	NA	↓	↑	↑	65,000
Toyo Open Country H/T II	51	\$169	↓	↓	↓	↓	↑	NA	↓	↑	↑	75,000
Nitto Dura Grappler	51	\$164	↑	↓	↓	↓	↓	NA	↓	↑	↓	70,000

ALL TERRAIN TRUCK TIRES


































































✓ Continental TerrainContact A/T	62	\$166	↑	↓	↑	↑	↓	NA	↓	↑	↑	55,000
✓ Michelin LTX A/T2	61	\$222	↓	↓	↓	↑	↑	NA	↓	↓	↑	100,000
✓ Bridgestone Dueler A/T Revo 3	60	\$233	↑	↓	↑	↑	↑	NA	↓	↑	↑	55,000
✓ Vredestein Pinza AT	60	\$169	↓	↓	↑	↑	↓	NA	↑	↑	↑	75,000
Cooper Discoverer AT3 4S	58	\$171	↑	↓	↓	↑	↑	NA	↓	↑	↑	60,000
General Grabber APT	58	\$154	↑	↓	↓	↑	↑	NA	↓	↓	↓	60,000
GT Radial Adventuro AT3	58	\$144	↑	↓	↓	↑	↓	NA	↓	↑	↑	40,000
Mickey Thompson Deegan 38	57	\$179	↑	↓	↓	↑	↓	NA	↑	↑	↑	65,000
Firestone Destination A/T2	57	\$168	↓	↓	↓	↑	↑	NA	↓	↑	↑	60,000
Toyo Open Country A/T III	57	\$195	↑	↓	↓	↑	↑	NA	↓	↓	↓	60,000
Falken Wildpeak A/T3W	57	\$166	↓	↓	↑	↑	↓	NA	↓	↓	↓	50,000
Hankook Dynapro AT2	55	\$166	↑	↓	↓	↑	↑	NA	↓	↑	↑	60,000
Nexen Roadian AT Pro RA8	55	\$159	↑	↓	↓	↑	↓	NA	↓	↑	↓	55,000
Pirelli Scorpion All Terrain Plus	54	\$159	↓	↓	↓	↑	↑	NA	↓	↑	↑	55,000
Nokian Rotiiva AT	54	\$166	↑	↓	↓	↑	↑	NA	↓	↑	↑	50,000
Sailun Terramax A/T 4S	53	\$133	↑	↓	↓	↑	↓	NA	↓	↑	↑	40,000

WINTER SNOW TIRES











































































✓ Bridgestone Blizzak WS90	73	\$131	↑	↓	↓	↑	↑	↑	↑	↓	↓	NA
✓ Michelin X-Ice Snow	73	\$177	↓	↓	↓	↓	↑	↑	↓	↑	↑	NA
✓ Continental VikingContact 7	70	\$139	↓	↓	↓	↑	↑	↑	↑	↑	↑	NA
✓ Hankook Winter i*cept iz2	69	\$113	↓	↓	↓	↓	↑	↑	↑	↓	↑	NA

Brand + Model	Overall Score	Price	Three-Season Driving				Winter Driving		Comfort		Other	
			Dry braking	Wet braking	Handling	Hydroplaning resistance	Snow traction	Ice braking	Ride	Noise	Rolling resistance	Tested tread life (Miles)






































































WINTER SNOW TIRES *Continued*

 Goodyear WinterCommand Ultra	69	\$140										NA
 General Altimax Arctic 12	68	\$122										NA
Nokian Nordman 7	64	\$130										NA
Nokian Hakkapeliitta R3	64	\$177										NA
Toyo Observe GSi-6 HP	64	\$113										NA
Yokohama iceGuard iG53	63	\$137										NA
Nexen Winguard ice Plus	62	\$108										NA
Falken Winterpeak F-ice 1	62	\$112										NA
Pirelli Winter Sottozero 3	60	\$130										NA
Uniroyal Tiger Paw Ice & Snow 3	59	\$119										NA
Sumitomo Ice Edge	58	\$109										NA

PERFORMANCE WINTER SNOW

 Vredestein Wintrac Pro	78	\$180										NA
 Michelin Pilot Alpin PA4	72	\$190										NA
Nexen Winguard Sport 2	71	\$129										NA
Yokohama Blue Earth Winter V905	70	\$182										NA
Hankook Winter i*cept evo2	70	\$156										NA
Bridgestone Blizzak LM001	67	\$189										NA
Toyo Observe GSi-6 HP	66	\$200										NA
Pirelli Winter Sottozero 3	66	\$147										NA

WINTER TRUCK TIRES

 Michelin Latitude X-Ice XI2	72	\$189						NA				NA
 Nexen Winguard winspike WS62	72	\$127						NA				NA
 Nokian Hakkapeliitta R3 SUV	71	\$169						NA				NA
 General Grabber Arctic	70	\$129						NA				NA
 Bridgestone Blizzak DM-V2	69	\$169						NA				NA
Hankook i*Pike RW11	67	\$166						NA				NA
Goodyear WinterCommand	66	\$155						NA				NA
Firestone Winterforce 2 UV	65	\$139						NA				NA

GUIDE TO THE RATINGS Overall Score is based on about a dozen tests, with braking, handling, and hydroplaning resistance more heavily weighted for many tires. **Braking** tests on ice are from 10 mph; on dry and wet pavement, from 60 to 0 mph. **Handling** combines how well a tire performed in the wet-handling test, steering feel, and an emergency handling maneuver. **Hydroplaning** denotes a tire's ability to resist skimming along the surface of standing water. **Snow Traction** tests denote how far a vehicle has to travel to accelerate from 5 to 20 mph on moderately packed snow. **Ride** and **Noise** are evaluated subjectively on rough and smooth roads. **Rolling Resistance**, as measured by a dynamometer, is a factor in fuel economy. **Treadwear** is projected from at least a 16,000-mile vehicle test run on public roads in Texas for many tires. **Price** is approximate retail.

Statement of Ownership, Management, and Circulation

(Required by 39 U.S.C. 3685)

1. Publication Title: Consumer Reports.
2. Publication No: 0010-7174. **3. Filing Date:** Aug. 11, 2020.
4. Issue Frequency: Monthly, except two issues in December.
5. No. of Issues Published Annually: 13.
6. Annual Subscription Price: \$30.
7. Complete Mailing Address of Known Office of Publication: Consumer Reports Inc., 101 Truman Avenue, Yonkers, NY 10703-1044.
8. Complete Mailing Address of Headquarters or General Business Office of Publisher: Consumer Reports Inc., 101

Truman Avenue, Yonkers, NY 10703-1044.
9. Full Names and Complete Mailing Addresses of Publisher, Editor, and Managing Editor. **Publisher:** Consumer Reports Inc., 101 Truman Avenue, Yonkers, NY 10703-1044. President and CEO: Marta L. Tellado; Editorial Director-Print: Ellen Kunes; Managing Editor of CR: Amanda Lecky.
10. Owner: (If the publication is published by a nonprofit organization, its name and address must be stated.) **Full Name:** Consumer Reports Inc., a nonprofit organization. Complete Mailing Address:

101 Truman Avenue Yonkers, NY 10703-1044.
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15. Extent and Nature of Circulation: Print Magazine, U.S. and Canada	Average no. copies each issue during past 12 mo.	No. copies of single issue published nearest to filing date
a. Total no. of copies (net press run)	3,563,684	3,483,276
b. Paid circulation		
1. Mailed outside-county paid subscriptions stated on Form 3541	3,196,383	3,059,009
2. Mailed in-county paid subscriptions stated on Form 3541	0	0
3. Sales through dealers, carriers, street vendors, counter sales, and other non-USPS paid distribution	24,117	15,000
4. Other classes mailed through the USPS	0	0
c. Total paid distribution (sum of 15b(1), (2), (3), and (4))	3,220,500	3,074,009
d. 1. Free or Nominal Rate Outside-County Copies included on PS Form 3541	1,253	1,114
2. Free or Nominal Rate In-County included on PS form 3541	0	0
3. Free or Nominal Rate Copies Mailed at Other Classes Through the USPS (e.g. First-Class Mail)	0	0
4. Free or Nominal Rate Distribution Outside the Mail (Carriers or other means)	7,163	5,157
e. Total free distribution (sum of 15d(1) and (4))	8,416	6,271
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h. TOTAL (sum of 15f and 15g)	3,563,684	3,483,276
i. Percent paid and/or requested circulation	99.74%	99.80%

I certify that the statements made by me above are correct and complete. —Dawn Nelson, Senior Marketing Director



CONSUMER REPORTS BUYING GUIDE 2022 VOLUME 86, No. 13 Consumer Reports magazine (ISSN 0010-7174) is published monthly, except twice in December, by Consumer Reports, 101 Truman Avenue, Yonkers, NY 10703-1044. Periodicals postage paid at Yonkers, N.Y., and at other mailing offices. Canadian postage paid at Mississauga, Ontario, Canada. Canadian publications registration number 2665247-98, agreement number 40015148. Consumer Reports® is a registered trademark in the United States, Canada, and Mexico. Contents of this issue copyright © 2021 by Consumer Reports. All rights reserved. Reproduction in whole or in part is forbidden without prior written permission (and is never permitted for commercial purposes). CR is a member of Consumers International. Mailing lists: CR rents or exchanges its customer postal list so it can be provided to other publications, companies, and nonprofit organizations. If you wish your name deleted from lists and rentals, send your address label with a request for deletion to Consumer Reports, P.O. Box 2127, Harlan, IA 51593-0316. Subscribers: Send address changes to P.O. Box 2109, Harlan, IA 51593-0298. If the Post Office alerts us that your magazines are undeliverable, we have no further obligation to fulfill your magazines unless we have a corrected address within two years. POSTMASTER Send all UAA to CFS (see DMM 507.1.5.2); NON-POSTAL AND MILITARY FACILITIES Send address corrections to Consumer Reports, P.O. Box 2109, Harlan, IA 51593-0298. Canada Post: If copies are undeliverable return to Consumer Reports, P.O. Box 481, Station Main, Markham, ON L3P 0C4. Back issues: Single copies of 12 preceding issues, \$8.99 each; Buying Guide, \$14.49 each (includes shipping and handling). Write Back Issues, Consumer Reports, Customer Relations, 101 Truman Ave., Yonkers, NY 10703-1044.

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