

2020 ENVE 45 Wheelset Specifications

Clincher:

Details	Front	Rear	Wheelset
Rim Weight	455g	455g	910g
ENVE Foundation Disc CL	725g	836g	1561g

RIM Specs:

Details	Front	Rear
Depth	45mm	45mm
Internal Width	21mm	21mm
External Width	28mm	28mm
Hole Count	24	24
Effective Rim Diameter	528	528
Aero Optimized Tire Size	25c-28c	25c-28c

Spoke Information

Details	FRONT LENGTH (NDS/DS)	REAR LENGTH (NDS/DS)	Spoke Cross
ENVE Foundation Disc CL	274mm / 276mm	274mm / 272 mm	2X

*This wheelset is built with Sapim CX Sprint spokes.

Pressure Recommendations-PSI:

Rider Weight		Rim Model	SES 2.2, 3.4, 4.5, 5.6, 7.8, ENVE 45, ENVE 65				SES 3.4 AR, SES 4.5 AR				G23				G27		
		Inner Width	18mm-20.5mm				25mm				23mm				27mm		
LBS	KG	23mm	25mm	28mm	28-30mm	32-35mm	38-42mm	42-45mm	47-55mm 1.95-2.1"	28-30mm	32-35mm	35-38mm	38-42mm	42-45mm	38-42mm	42-45mm	47-55mm
90	41	55	47	39	33	30	26	23	17	34	30	29	27	23	26	23	17
100	45	60	51	43	36	32	28	25	18	37	33	31	29	25	28	25	19
110	50	65	55	46	39	35	31	27	20	40	36	34	31	27	31	27	20
120	54	70	59	50	42	38	33	29	21	43	39	37	34	30	33	29	22
130	59	75	63	53	45	40	35	31	23	46	41	39	36	32	35	31	23
140	64	80	68	57	48	43	38	33	25	49	44	42	38	34	38	33	25
150	68	85	72	60	51	45	40	35	26	52	46	44	41	36	40	35	26
160	73	89	75	63	53	48	42	37	27	55	49	47	43	38	42	37	28
170	77	93	79	66	56	50	44	38	29	57	51	49	45	39	44	39	29
180	82	97	82	69	58	52	46	40	30	60	54	51	47	41	46	40	30
190	86	101	85	72	60	54	47	42	31	62	55	53	49	42	48	42	31
200	91	104	88	74	62	56	49	43	32	64	57	54	50	44	49	43	32
210	95	107	91	76	64	57	50	44	33	66	59	56	51	45	51	44	33
220	100	109	92	77	65	59	51	45	34	67	60	57	53	46	52	45	34
230	104	111	94	79	66	60	52	46	34	68	61	58	53	47	53	46	34
240	109	112	95	80	67	60	53	46	34	69	62	59	54	47	53	46	35
250	113	113	95	80	67	61	53	46	35	69	62	59	54	47	53	47	35

Pressure Recommendations- BAR

Rider Weight		Rim Model	SES 2.2, 3.4, 4.5, 5.6, 7.8, ENVE 45, ENVE 65				SES 3.4 AR, SES 4.5 AR				G23				G27	
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		Inner Width	18mm-20.5mm				25mm				23mm					27mm	
LBS	KG	23mm	25mm	28mm	28-30mm	32-35mm	38-42mm	42-45mm	47-55mm 1.95-2.1"	28-30mm	32-35mm	35-38mm	38-42mm	42-45mm	38-42mm	42-45mm	47-55mm
90	41	3.80	3.22	2.70	2.28	2.04	1.79	1.56	1.17	2.33	2.09	1.99	1.83	1.60	1.80	1.57	1.17
100	45	4.14	3.51	2.94	2.48	2.23	1.95	1.70	1.27	2.54	2.28	2.17	1.99	1.74	1.96	1.72	1.28
110	50	4.49	3.80	3.18	2.68	2.41	2.11	1.85	1.38	2.75	2.47	2.35	2.16	1.89	2.12	1.86	1.39
120	54	4.83	4.09	3.43	2.89	2.59	2.27	1.99	1.48	2.96	2.66	2.53	2.32	2.03	2.28	2.00	1.49
130	59	5.17	4.38	3.67	3.09	2.78	2.43	2.13	1.59	3.17	2.84	2.70	2.49	2.18	2.45	2.14	1.60
140	64	5.51	4.66	3.90	3.29	2.96	2.59	2.26	1.69	3.37	3.03	2.88	2.65	2.32	2.60	2.28	1.70
150	68	5.83	4.93	4.13	3.49	3.13	2.74	2.40	1.79	3.57	3.21	3.05	2.80	2.45	2.76	2.41	1.80
160	73	6.14	5.20	4.36	3.67	3.30	2.88	2.53	1.88	3.76	3.38	3.21	2.95	2.59	2.90	2.54	1.90
170	77	6.44	5.44	4.56	3.85	3.46	3.02	2.65	1.97	3.94	3.54	3.36	3.09	2.71	3.04	2.67	1.99
180	82	6.71	5.68	4.76	4.01	3.60	3.15	2.76	2.06	4.11	3.69	3.51	3.22	2.82	3.17	2.78	2.07
190	86	6.96	5.89	4.94	4.16	3.74	3.27	2.86	2.14	4.26	3.83	3.64	3.35	2.93	3.29	2.88	2.15
200	91	7.18	6.08	5.09	4.30	3.86	3.37	2.95	2.20	4.40	3.95	3.75	3.45	3.02	3.40	2.97	2.22
210	95	7.38	6.24	5.23	4.41	3.96	3.46	3.03	2.26	4.52	4.05	3.86	3.54	3.11	3.49	3.05	2.28
220	100	7.53	6.37	5.34	4.51	4.05	3.54	3.10	2.31	4.61	4.14	3.94	3.62	3.17	3.56	3.12	2.33
230	104	7.66	6.48	5.43	4.58	4.11	3.59	3.15	2.35	4.69	4.21	4.00	3.68	3.22	3.62	3.17	2.37
240	109	7.74	6.55	5.49	4.63	4.16	3.63	3.18	2.37	4.74	4.25	4.04	3.72	3.26	3.66	3.20	2.39
250	113	7.77	6.58	5.51	4.65	4.18	3.65	3.20	2.38	4.76	4.27	4.06	3.74	3.27	3.68	3.22	2.40

Red = Maximum Recommended Tire Pressure for Given Rim & Tire Volume Combo on Paved Road Surfaces

Note: Tire pressures are intended as a starting recommendation based on the listed wheel being set up with tubeless tire. The pressure value is calculated considering a tubeless set up, intended road surface, rider's weight, average bike weight, inner rim width, and tire volume.