



VAMOOTS RSL

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /c-t/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [MM]	STACK	REACH
48	51.5	45.0	11.0	72.50	74.75	7.4	40.5	28.5	11.6	50	535	369
50	52.5	46.0	11.5	72.75	74.50	7.4	40.5	28.8	11.0	50	541	375
52	53.5	47.0	12.5	73.00	74.25	7.3	40.5	29.2	11.1	50	552	380
54	54.5	48.0	13.5	73.25	74.00	7.2	40.5	29.6	10.9	50	561	385
55	55.5	49.0	14.5	73.50	73.50	7.2	40.7	30.0	10.9	43	571	387
56	56.5	50.0	15.5	73.50	73.25	7.2	40.7	30.4	10.7	43	581	391
58	57.5	51.5	17.0	73.75	73.00	7.1	41.0	30.9	10.8	43	597	394
60	58.5	53.0	18.5	74.00	73.00	7.0	41.0	31.6	10.6	43	611	399
62	59.5	55.0	20.5	74.25	72.50	6.8	41.5	32.3	10.5	43	629	398

STANDOVER MEASURED WITH 23C TIRE / MAX TIRE WIDTH 27MM / STACK AND REACH MEASURED WITH CK 18/17 EXTERNAL LOWER CUP AND INSET TOP HEADSET

VAMOOTS CR

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /c-t/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [MM]	STACK	REACH
48	51.5	45.0	11.0	72.50	74.75	7.4	40.5	28.4	12.2	50	535	369
50	52.5	47.0	11.5	72.75	74.50	7.4	40.5	28.9	10.3	50	541	375
52	53.5	48.5	12.5	73.00	74.25	7.3	40.5	29.4	9.7	50	552	380
54	54.5	50.0	14.0	73.25	74.00	7.2	40.5	30.0	9.5	50	566	383
55	55.5	51.0	15.0	73.50	73.50	7.2	40.7	30.3	9.6	43	576	385
56	56.5	52.0	16.0	73.50	73.25	7.2	40.7	30.7	9.4	43	586	390
58	57.5	53.5	17.5	73.75	73.00	7.1	41.0	31.3	9.3	43	601	392
60	58.5	55.0	19.0	74.00	73.00	7.0	41.0	31.9	9.2	43	616	398
62	59.5	57.0	21.0	74.25	72.50	6.8	41.5	32.7	9.0	43	634	397

STANDOVER MEASURED WITH 23C TIRE / MAX TIRE WIDTH 28MM / STACK AND REACH MEASURED WITH CK 18/17 EXTERNAL LOWER CUP AND INSET TOP HEADSET

VAMOOTS DR

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /c-t/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [MM]	STACK	REACH
48	51.5	45.0	12.0	71.50	74.75	7.6	41.5	28.6	13.2	43	543	367
50	52.5	47.0	12.0	72.00	74.50	7.6	41.5	29.0	10.8	43	545	374
52	53.5	48.5	13.0	72.00	74.25	7.5	41.5	29.7	10.1	43	554	379
54	54.5	50.0	15.0	72.25	74.00	7.5	41.5	30.3	10.5	43	575	380
55	55.5	51.0	16.0	72.75	73.50	7.5	41.5	30.7	10.7	43	585	383
56	56.5	52.0	17.0	73.00	73.25	7.5	41.5	31.0	10.7	43	595	387
58	57.5	53.5	18.0	73.00	73.00	7.3	42.0	31.5	9.8	43	603	392
60	58.5	55.0	20.0	73.25	72.50	7.1	42.0	32.2	10.2	43	621	390
62	59.5	57.0	22.0	73.25	72.50	7.0	42.0	32.9	9.9	43	639	395

STANDOVER MEASURED WITH 23C TIRE / MAX TIRE WIDTH 29MM / STACK AND REACH MEASURED WITH CK 18/17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / DESIGNED FOR EXTERNAL LOWER CUP

VAMOOTS

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /c-t/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [MM]	STACK	REACH
48	51.0	48.0	10.5	71.50	74.75	8.0	41.0	28.8	7.9	50	542	362
50	52.0	50.0	11.0	72.00	74.50	8.0	41.0	29.3	6.3	50	549	368
52	53.0	52.0	12.0	72.00	74.25	7.8	41.0	29.9	4.8	50	557	373
54	54.0	54.0	14.0	72.25	74.00	7.8	41.5	30.7	4.8	50	577	375
55	55.0	55.0	15.0	72.50	73.50	7.6	41.5	31.1	4.9	50	586	377
56	56.0	56.0	16.0	72.75	73.25	7.6	41.5	31.5	5.0	50	597	381
58	57.0	58.0	17.0	72.75	73.00	7.6	42.0	32.1	3.9	50	606	385
60	58.0	60.0	19.0	73.00	72.50	7.2	42.0	32.9	3.7	45	623	385
62	59.0	62.0	21.0	73.00	72.50	7.2	42.0	33.6	3.6	45	642	389

STANDOVER MEASURED WITH 23C TIRE / MAX TIRE WIDTH 28MM / STACK AND REACH INCLUDES CK HEADSET UPPER CUP AND RACE

ROUT

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /c-t/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [MM]	STACK	REACH
50 RIG	51.5	46.0	12.0	70.75	75.00	7.1	42.3	30.0	14.2	47	562	365
50 YBB	51.5	50.5	12.0	70.75	75.00	7.1	43.0	30.8	8.6	47	562	365
52 RIG	52.5	48.0	14.0	71.00	74.25	7.1	42.3	31.0	14.3	47	582	361
52 YBB	52.5	50.5	14.0	71.00	74.25	7.1	43.0	31.2	9.8	47	582	361
54	54.0	51.0	15.0	71.50	74.00	6.9	42.3	31.6	11.6	47	591	371
55	55.0	52.0	16.0	71.50	73.50	6.9	42.3	31.9	11.5	47	601	373
56	56.0	53.0	17.0	72.00	73.25	6.9	42.3	32.4	11.0	47	612	377
58	58.0	55.0	18.0	72.00	73.00	6.9	42.3	32.8	10.6	47	621	391
60	59.5	57.0	20.0	72.50	72.75	6.8	42.3	33.7	10.1	47	642	397

STANDOVER MEASURED WITH 32C TIRE / MAX TIRE WIDTH 35MM / STACK AND REACH MEASURED WITH CK 18/17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / 142 X 12 THRU AXLE STOCK WITH 140 POST MOUNT

ROUT 45

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /c-t/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [MM]	STACK	REACH
50	51.5	46.0	12.0	70.75	75.00	7.1	45.0	30.0	14.2	47	562	365
52	52.5	48.0	14.0	71.00	74.25	7.1	45.0	31.0	14.3	47	582	361
54	54.0	51.0	15.0	71.50	74.00	6.9	45.0	31.6	11.6	47	591	371
55	55.0	52.0	16.0	71.50	73.50	6.9	45.0	31.9	11.5	47	601	373
56	56.0	53.0	17.0	72.00	73.25	6.9	45.0	32.4	11.0	47	612	377
58	58.0	55.0	18.0	72.00	73.00	6.9	45.0	32.8	10.6	47	621	391
60	59.5	57.0	20.0	72.50	72.75	6.8	45.0	33.7	10.1	47	642	397

STANDOVER MEASURED WITH 32C TIRE / MAX TIRE WIDTH 44MM / STACK AND REACH MEASURED WITH CK 18/17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / 142 X 12 THRU AXLE STOCK WITH 140 POST MOUNT

PSYCHLO X + PSYCHLO X RSL

FRAME SIZE [CM]	EFFECTIVE TOP TUBE [CM]	SEAT TUBE /c-t/ [CM]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB DROP [CM]	CHAIN STAY LENGTH [CM]	STAND-OVER [IN]	TOP TUBE SLOPE	FORK RAKE [MM]	STACK	REACH
50	52.5	48.0	11.0	71.50	74.50	6.3	42.3	30.5	10.1	47	547	373
52	53.5	52.0	12.0	72.00	74.00	6.3	42.3	31.5	6.7	47	558	376
54	55.0	54.0	13.0	72.50	73.50	6.1	42.3	32.0	5.5	47	568	383
55	56.0	55.0	14.0	72.50	73.50	6.1	42.3	32.4	5.4	47	577	390
56	57.0	56.0	15.0	72.50	73.00	6.1	42.3	32.8	5.4	47	587	392
58	58.5	58.0	16.0	73.00	73.00	6.1	42.3	33.4	4.4	47	598	403
60	60.0	60.0	18.0	73.00	72.50	6.0	42.3	34.1	4.3	47	616	406

STANDOVER MEASURED WITH 32C TIRE / MAX TIRE WIDTH 34MM / STACK AND REACH MEASURED WITH CK 18/17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / 142 X 12 THRU AXLE STOCK WITH 140 POST MOUNT



CROSS

2015 / 2016

SPECIFICATIONS

MOOTS

SPEC DEFINITIONS AND NOTES

All Road Bikes
STANDOVER MEASURED WITH 23C TIRE

All Bikes
USING 44MM HEAD TUBES
DESIGNED FOR EXTERNAL
LOWER CUP COMPATIBLE WITH
TAPERED AND STRAIGHT FORKS

Effective Top Tube
MEASURED PARALLEL TO
GROUND, FROM TOP OF HEAD
TUBE CENTER TO SEAT TUBE
CENTER

Seat Tube Length
CENTER OF BB TO TOP OF
SEAT COLLAR

BB Drop
MEASURED FROM AXLE
CENTER LINE TO BB CENTER

THE COMBINATION OF SOME
FRAME SIZES, FOOT SIZE, AND
TIRE SIZES MAY RESULT IN
TOE OVERLAP

MOOTS
.COM



SPECIFICATIONS

2015 / 2016

MOOTS

SPEC DEFINITIONS AND NOTES

All Mountain Bikes
STANDOVER MEASURED
UNSAGGED WITH 2.2" TIRES

All YBB & Hardtail Bikes
ALL SPECS, EXCEPT STANDOVER,
MEASURED WITH 25% SAG

Effective Top Tube
MEASURED PARALLEL TO
GROUND, FROM TOP OF HEAD
TUBE CENTER TO SEAT TUBE
CENTER

Seat Tube Length
CENTER OF BB TO TOP OF
SEAT COLLAR

BB Height
FROM FLAT GROUND TO CENTER
OF BB WITH 2.2" TIRE

Standover
MEASURED AT TOP TUBE
MIDPOINT, UNSAGGED

All Mountain Bikes
SOME FRAME SIZE/FORK
MODEL COMBOS MAY CAUSE
DOWN TUBE TO FORK CROWN
INTERFERENCE

All Mountain Bikes
DESIGNED FOR USE WITH
160MM MAX DISC BRAKE
ROTORS

All Mountain Bikes
DESIGNED WITH 4MM HEAD
TUBE USING TAPERED FORKS/
EXTERNAL LOWER BEARING
HEAD SET

All Mountain Bikes
MAX TIRE SIZE 2.25" FOR 142
SPACING, 2.45" FOR BOOST 148

MOOTO X RSL 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE / C - T / [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STANDOVER [IN]	FORK TRAVEL	STACK	REACH
16*	22.50	16.0	11.0	71.00	74.50	11.875	17.55	30.3	100mm	627	397
17	23.00	16.5	11.0	71.25	74.25	11.875	17.55	31.8	100mm	628	407
18	23.50	17.5	11.0	71.25	74.00	12.000	17.55	32.2	100mm	625	417
19	24.25	18.5	11.0	71.25	73.75	12.000	17.55	32.7	100mm	625	433
20	24.75	19.5	12.0	71.50	73.50	12.000	17.55	33.4	100mm	636	440
22	25.50	21.0	13.0	71.50	73.25	12.125	17.55	34.3	100mm	642	454

*Comes standard with curved top tube for greater standover

STACK AND REACH MEASURED WITH CK 17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / 142 X 12 THRU AXLE STANDARD WITH 160 POST MOUNT

ROGUE RSL 27.5"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE / C - T / [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STANDOVER [IN]	FORK TRAVEL	STACK	REACH
14*	21.50	15.0	11.0	68.75	74.50	11.75	16.9	29.1	100mm	586	383
15*	22.00	15.0	11.0	69.00	74.50	11.75	16.9	29.1	100mm	587	395
16*	22.50	16.0	11.0	69.00	74.25	11.75	16.9	29.8	100mm	587	405
17*	23.00	17.0	11.0	69.00	74.25	12.00	16.9	30.1	100mm	584	419
18	23.50	18.0	12.0	69.50	74.00	12.00	16.9	31.9	100mm	596	425
19	24.25	19.0	13.0	69.50	74.00	12.00	16.9	32.5	100mm	605	442
20	24.75	20.0	14.0	70.00	73.75	12.25	16.9	33.3	100mm	610	450
22	25.50	22.0	15.0	70.00	73.75	12.25	16.9	34.4	100mm	620	467

*Comes standard with a curved top tube for greater standover

STACK AND REACH MEASURED WITH CK 17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / 142 X 12 THRU AXLE STANDARD WITH 160 POST MOUNT / 3RD H20 NOT AN OPTION ON 14-17" FRAMES

MOOTO X YBB 29"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE / C - T / [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STANDOVER [IN]	FORK TRAVEL	STACK	REACH
16*	22.50	19.75**	11.0	70.50	74.50	11.875	18.1	29.7	100mm	625	398
17*	23.00	19.75**	11.0	70.75	74.25	12.000	18.1	30.0	100mm	623	408
18*	23.50	19.75	12.0	71.00	74.00	12.000	18.1	32.5	100mm	627	417
19*	24.25	20.0	12.0	71.25	73.75	12.125	18.1	32.6	100mm	631	432
20	24.75	20.25	13.0	71.50	73.50	12.125	18.1	33.9	100mm	642	438
22	25.50	22.0	14.0	71.50	73.25	12.250	18.1	35.1	100mm	648	452

*Comes standard with a curved top tube for greater standover **Seat tube uses strut

STACK AND REACH MEASURED WITH CK 17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / 142 X 12 THRU AXLE STANDARD WITH 160 POST MOUNT / 3RD H20 NOT AN OPTION ON 16" AND 17" FRAMES

ROGUE YBB 27.5"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE / C - T / [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STANDOVER [IN]	FORK TRAVEL	STACK	REACH
14*	21.50	18.25**	11.0	68.75	74.50	11.800	17.4	29.0	100mm	586	383
15*	22.00	18.25**	11.0	69.00	74.50	11.800	17.4	29.0	100mm	587	395
16*	22.50	18.25**	11.0	69.00	74.25	11.875	17.4	29.0	100mm	587	405
17*	23.00	18.25	11.0	69.00	74.25	12.000	17.4	30.3	100mm	584	419
18*	23.50	18.5	12.0	69.50	74.00	12.000	17.4	31.0	100mm	596	425
19*	24.25	19.0	13.0	69.50	74.00	12.125	17.4	31.5	100mm	605	442
20	24.75	20.0	14.0	70.00	73.75	12.125	17.4	33.3	100mm	610	450
22	25.50	22.0	15.0	70.00	73.75	12.250	17.4	34.4	100mm	620	467

*Comes standard with a curved top tube for greater standover **Seat tube uses strut

STACK AND REACH MEASURED WITH CK 17 EXTERNAL LOWER CUP AND INSET TOP HEADSET / DESIGNED FOR EXTERNAL LOWER CUP / 3RD H20 NOT AN OPTION ON 14-17" FRAMES

YBB + RIGOR 26"

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE / C - T / [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STAND-OVER [IN]	FORK TRAVEL	STACK	REACH
12*	20.50**	17.25 YBB/ 14.25 RIG	10.0	70.25	74.00	11.75	16.8	27.5	80mm	542	365
14*	21.25	17.5	11.0	70.50	73.75	11.75	16.8	29.5	80mm	567	374
16	22.00	17.5	11.0	70.75	73.50	11.75	16.8	29.8	80mm	568	390
17	22.50	18.5	11.0	71.00	73.25	11.88	16.8	31.4	100mm	566	401
18	23.00	19	12.0	71.25	73.25	11.88	16.8	31.7	100mm	576	411
19	23.50	19.50	13.0	71.25	73.00	12.00	16.8	32.1	100mm	582	419
20	24.25	20.00	15.0	71.25	73.00	12.13	16.8	32.8	100mm	598	433
22	25.00	21.00	17.0	71.75	72.25	12.13	16.8	33.7	100mm	618	437

*COMES STANDARD WITH A CURVED TOP TUBE FOR GREATER STAND-OVER

**12" DESIGNED WITH TOP TUBE TO SEAT TUBE STRUT

STACK AND REACH MEASURED WITH CK 17 EXTERNAL LOWER CUP AND INSET TOP HEADSET

FROSTHAMMER 5" TIRE

FRAME SIZE [IN]	EFFECTIVE TOP TUBE [IN]	SEAT TUBE / C - T / [IN]	HEAD TUBE LENGTH [CM]	HEAD ANGLE	SEAT ANGLE	BB HEIGHT [IN]	CHAIN STAY LENGTH [IN]	STANDOVER [IN]
16	22.0	16.0	11.0	69.00	74.00	12.1	17.85	29.7
18	23.5	17.0	12.0	69.00	74.00	12.1	17.85	30.4
20	24.5	19.0	14.0	69.00	73.00	12.1	17.85	31.7
22	25.5	21.0	16.0	69.00	73.00	12.1	17.85	33.0

Also available with optional 170 spacing as FrostTi

197 X 12 THRU AXLE STANDARD WITH 160 POST MOUNT / 150 DISC REAR / REPLACEABLE HANGER / 100MM WIDE ENGLISH BB SHELL / DESIGNED FOR 483 MM AXLE TO CROWN FORK / CHAINLINE 76MM / DESIGNED TO FIT BUD/LOU TIRE ON 100MM RIM / STACK AND REACH MEASURED WITH CK 17 EXTERNAL LOWER CUP AND INSET TOP HEADSET

