Recreation Vehicle Dealers Association (RVDA) of Canada

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Canadian RV Regulations

	Maximum Length		Vehicle Combination				
Province or Territory	Motor Homes	**Towables**	Max Length	# of Units	Max Height	Max Width	# of safety Chains or attachments required towing RV Trailer
AB	14m	**12.5m**	20m	3 **µ**	4.15m	2.6m	0 - 2 **€**
BC	14m [1]	**12.5m**	20m	2	4.15m	2.6m	1
MB	14m [1]	**12.5m**	21.5m or 23m§	2 3§	4.15m	2.6m	1
NB	14m	**12.5m ß**	23m	2	4.15m	2.6m	2 **€**
NL	12.5m [1] ; 14.0 m^[1]	**12.5m[1] ; 14.0 m^[1]**	23m **ß**	2	4.15m	2.6m	1 **€**
NS	14m	**12.5m**	23m	2	4.15m	2.6m	2
NU	12.5m **ß**[1]	**NR**	21m	2	4.2m	2.6m	NS

Canadian RV Regulations

	Maximum Length		Vehicle Combination				
Province or Territory	Motor Homes	**Towables**	Max Length	# of Units	Max Height	Max Width	# of safety Chains or attachments required towing RV Trailer
NWT	14m **ß**[1]	**NR**	20m	2	4.2m	2.6m	NR
ON	14m [1]	**12.5m**	23m	3	4.15m	2.6m	1
PEI	14m	**12.5m**	23m	2	4.15m	2.6m	2
QC	14m **ß**[1]	**12.5m**	19m 19 or 23m**‡**	3 2**‡**	4.15m	2.6m	1
SK	14m [1]	**12.5m**	23m	3 **¥**	4.15m	2.6m	2
YT	14m [1]	**12.5m**	25m	3**µ**	4.2m	2.6m	2

NR - not required or regulated
ß - under review
^ - 14 m allowed with tandem axles; 12.5m if no tandem axles

Canadian Length Citations

Alberta:

Vehicle length provisions can be found under *"Part 1, Public Vehicle Dimensions found"*
https://www.canlii.org/en/ab/laws/regu/alta-reg-127-1998/latest/alta-reg-127-1998.html

British Columbia:

Vehicle length provisions can be found under *"Vehicle length 7.08"*
http://www.bclaws.ca/civix/document/id/complete/statreg/30_78#section7.08

Manitoba:

Vehicle length provisions can be found under section *"11(2)"*
https://www.canlii.org/en/mb/laws/regu/man-reg-575-88/latest/man-reg-575-88.html?searchUrlHash=AAAAAQARdmVoaWNsZSBkaW1lbnNpb24AAAAAAQ&resultIndex=8

New Brunswick:

Motor Home Length-
Vehicle Dimensions and Mass Regulation, NB Reg 2001-67, s 6(1) http://canlii.ca/t/535cs#sec6subsec1
Vehicle Combination Max Length-
Vehicle Dimensions and Mass Regulation, NB Reg 2001-67, s 6(3) http://canlii.ca/t/535cs#sec6subsec3

Newfoundland and Labrador:

Vehicle length provisions can be found under *"Prohibited Vehicles 9."*
Vehicles Regulations, 2001, NLR 81/01, s 9 http://canlii.ca/t/530gp#sec9

Canadian Length Citations

Nova Scotia:

Vehicle length provisions can be found under *"Section 191 of the Motor Vehicle Act"*

https://www.canlii.org/en/ns/laws/regu/ns-reg-137-2001/latest/ns-reg-137-2001.html?searchUrlHash=AAAAAQARdmVoaWNsZSBkaW1lbnNpb24AAAAAAQ&resultIndex=1

Ontario:

Combination Length under *"long combination"* and RV length under *"schedule 16 Designated bus or recreational vehicle 1 — standard bus or comparable recreational vehicle"*

https://www.canlii.org/en/on/laws/regu/o-reg-413-05/latest/o-reg-413-05.html?searchUrlHash=AAAAAQAddmVoaWNsZSB3ZWlnaHRzIGFuZCBkaW1lbnNpb24AAAAAAQ&resultIndex=4

Prince Edward Island:

Vehicle length provisions can be found under the *"Roads Act, 9. Prohibition on vehicle dimensions"*

https://www.canlii.org/en/pe/laws/regu/pei-reg-ec1-02/latest/pei-reg-ec1-02.html?searchUrlHash=AAAAAQARdmVoaWNsZSBkaW1lbnNpb24AAAAAAQ&resultIndex=1

Quebec:

Vehicle length provisions can be found under:

Vehicle Load and Size Limits Regulation, CQLR c C-24.2, r 31, s 4 http://canlii.ca/t/5200w#sec4

Saskatchewan:

Vehicle length provisions can be found under *"PART III, Vehicle Dimensions, Maximum dimensions"*

https://www.canlii.org/en/sk/laws/regu/rrs-c-h-3.01-reg-8/latest/rrs-c-h-3.01-reg-8.html

Retail New Unit Sales - 2017

Product Type	YTD 2017	YTD 2016	% Growth YTD
Class 'A'	1072	902	18.85%
Class 'B'	559	351	59.26%
Class 'C'	2205	1473	49.69%
All Motor Homes	3836	2726	40.72%
Camping Trailer	1546	1605	-3.68%
Fifth Wheel	**7825**	7129	9.76%
Park Model	64	54	18.52%
Travel Trailer	**35873**	31508	13.85%
All RV Trailers	45308	40296	12.44%
Total All RV Types	**49144**	**43022**	**14.23%**

16% of new RVs sold are Fifth Wheels

Fifth Wheel Registrations by Length

Length (in feet)	2015 Units	2016 Units	2017 Units
34	445	391	550
35	390	272	366
36	761	657	643
37	489	389	414
38	504	456	437
39	229	181	171
40	304	201	221

Fifth Wheel Registrations by Length

Length (in feet)	2015 Units	2016 Units	2017 Units
41	142	94	197
42	310	356	392
43	129	121	89
44	72	51	51
45	13	15	14
46	5	7	6

In 2015 – 6.15% of Fifth Wheels registered were over 41’
In 2016 – 7.83% of Fifth Wheels registered were over 41’
In 2017 – 7.10% of Fifth Wheels registered were over 41’

Travel Trailer Registrations by Length

Length (in feet)	2015 Units	2016 Units	2017 Units
34	990	921	1,250
35	300	307	309
36	809	743	683
37	265	244	210
38	830	768	922
39	555	464	452
40	483	420	609

Travel Trailer Registrations by Length

Length (in feet)	2015 Units	2016 Units	2017 Units
41	54	62	64
42	402	304	250
43	21	14	15
44	10	46	55
45	1		
46	1	11	2

In 2015 – 1.30% of Travel Trailers registered were over 41’
In 2016 – 1.23% of Travel Trailers registered were over 41’
In 2017 – 1% of Travel Trailers registered were over 41’

CSA Z240 RV Series-14

- This Standard specifies dimensional and safety requirements for recreational vehicles
  - **4.2 Overall length**
  - The overall length shall not exceed the following when the vehicle is folded or stowed for transit:
  - a) fifth-wheel trailers: 14.65 m (48 ft), measured from tip to tail.

California Legislative Changes

- In 2014 there was an increase in the maximum length limitations for fifth wheel trailer coaches from 40 to 48 feet.
  - ALL: 48 feet in length from the foremost point of the trailer to the rear extremity of the trailer
  - Single Axle: 38 feet in length from the kingpin to rearmost axle.
  - Two or more axles: 40 feet in length from the kingpin to rearmost axle.

California Vehicle Code §35400.6

VIN 201-03Fifth Wheel and Trailer Coaches

Navistar Proving Grounds

New Carlisle, IN

- The Navistar Proving Grounds provides a complete brake test facility to support any customer's vehicle brake testing needs including accelerated structural and powertrain durability, mileage accumulation and fuel economy testing
- The Navistar Proving Grounds also provides complete instrumentation and computerized data acquisition of the following brake performance parameters: stopping distance, vehicle velocity, pedal force, pedal travel, hydraulic or air line pressure, brake/rotor temperature, booster vacuum, brake torque, individual wheel speeds, parking brake control/cable force, vehicle deceleration and component acceleration.
- Along with brake testing, they also provide Structural Durability Testing, Specialized Vehicle Testing and Instrumentation & Data Acquisition

Jayco Fifth Wheel Rating Review

11/20/18

Jayco

RV Length

Vehicle Length With Hitch means the RV trailer length as measured from:

- Fifth Wheel Trailers from the rear most body or frame (e.g. bumper) to the forward most leading edge of the hitch pin box.

Exclusions:

- Ladders, Bumper mounted spare tire, spare tire carrier, hitch receiver, bike rack…

Vehicle Length Without Hitch

- From the extreme exterior rear wall of the completed trailer body inclusive of all trim, moldings and bumper if equipped to the extreme forward most projection of the front wall inclusive of the front cap, all trim and moldings.

Jayco Fifth Wheel Ratings

Model	Overall Length		RV Weight Rating		Axle Weight Ratings GAWR			Hitch Weight		Hitch Rating		Tire Ratings			Total Cargo Capacity
	Meters	Feet	GVWR	UVW	Front	Int.	Rear	Hitch Weight	Hitch %	Hitch Rating	Pinbox Rating	Tire Capacity	Tire Size	Rim Capacity	
	(m)	(ft)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	(lbs)	%	(lbs)	(lbs)	(lbs)		(lbs)	(lbs)
EAGLE HTX															
1FN 27.5 GSX	9.44	30.98	9,995	8,100	5,145	N/A	5,145	1,525	18.83%	2,500	15,500	2,830	ST225/75R15 E	2,830	1,895
1FR 28 RSX	9.99	32.79	9,995	8,640	5,145	N/A	5,145	1,425	16.49%	2,500	15,500	2,830	ST225/75R15 E	2,830	1,355
1F2 26 BHX	9.61	31.52	9,995	7,355	5,145	N/A	5,145	1,525	20.73%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,640
1F9 26 RLX	9.59	31.46	9,995	7,915	5,145	N/A	5,145	1,450	18.32%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,080
EAGLE HT															
1PA 25.5 REOK	8.87	29.10	9,995	7,700	5,145	N/A	5,145	1,375	17.86%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,295
1PB 30.5 CKTS	10.43	34.23	11,000	8,700	5,145	N/A	5,145	1,540	17.70%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,300
1PN 27.5 RLTS	9.45	31.00	9,995	7,970	5,145	N/A	5,145	1,560	19.57%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,025
1PP 29.5 BHDS	10.59	34.73	10,995	8,825	5,145	N/A	5,145	1,715	19.43%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,170
1PR 28.5 RSTS	10.06	33.02	10,995	8,620	5,145	N/A	5,145	1,395	16.18%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,375
1P5 29.5 BHOK	10.81	35.48	11,000	8,760	5,145	N/A	5,145	1,708	19.50%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,240
1P7 30.5 MBOK(0051-0092)	11.16	36.60	11,950	10,110	5,800	N/A	5,800	1,840	18.20%	2,500	15,500	3,640	ST235/85R16 E	3,200	1,840
1P9 26.5 RLDS	9.59	31.46	9,995	7,595	5,145	N/A	5,145	1,530	20.14%	2,500	15,500	2,830	ST225/75R15 E	2,830	2,400
EAGLE															
WA 355 MBQS(60#std,w/80#LP dry cmpg.opt.)	12.95	42.5	14,995	12,155	6,600	N/A	6,600	2,505	20.61%	3,750	15,500	3,640	ST235/85R16 E	3,750	2,840
1WD 321 RSTS(60#std,w/80#LP dry cmpg.opt.)	11.26	37.0	12,700	10,605	6,000	N/A	6,000	2,065	19.47%	3,100	15,500	3,640	ST235/85R16 E	3,750	2,095
1WK 317 RLOK(60#std,w/80#LP dry cmpg.opt.)	11.26	36.9	12,995	10,680	6,000	N/A	6,000	1,983	18.57%	3,100	15,500	3,640	ST235/85R16 E	3,750	2,315
1WL 336 FBOK(60#std,w/80#LP dry cmpg.opt.)	12.22	40.1	13,750	11,290	6,000	N/A	6,000	2,128	18.85%	3,100	15,500	3,640	ST235/85R16 E	3,750	2,460
1WM 347 BHOK(60#std,w/80#LP dry cmpg.opt.)	12.67	41.6	14,850	12,300	6,600	N/A	6,600	2,402	19.53%	3,100	15,500	3,640	ST235/85R16 E	3,750	2,550
1WR 319 MLOK(60#std,w/80#LP dry cmpg.opt.)(0050)	11.26	36.9	12,995	10,710	6,000	N/A	6,000	2,150	20.07%	3,100	15,500	3,640	ST235/85R16 E	3,750	2,285

Jayco Fifth Wheel Ratings

Model	Overall Length		RV Weight Rating		Axle Weight Ratings GAWR			Hitch Weight		Hitch Rating		Tire Ratings			Total Cargo Capacity (lbs)
	Meters (m)	Feet (ft)	GVWR (lbs)	UVW (lbs)	Front (lbs)	Int. (lbs)	Rear (lbs)	Hitch Weight (lbs)	Hitch %	Hitch Rating (lbs)	Pinbox Rating (lbs)	Tire Capacity (lbs)	Tire Size	Rim Capacity (lbs)	
NORTHPOINT															
1LC 315 RLTS(60#std,w/120#LP gen.opt.)	11.65	38.2	15,250	12,430	7,000	N/A	7,000	2,735	22.00%	3,750	18,000	4,080	ST255/85R16 E	4,400	2,820
1LD 385 THWS(60#std,w/120#LP gen.opt.)	13.69	44.9	19,000	15,350	7,000	7,000	7,000	3,465	22.57%	3,850	21,000	4,080	ST255/85R16 E	4,400	3,650
1LE 383 FKWS(60#std,w/120#LP gen.opt.)(0050-0082)	13.24	43.4	16,500	13,575	7,000	N/A	7,000	2,960	21.80%	3,750	18,000	4,080	ST255/85R16 E	4,400	2,925
1LL 377 RLBH(60#std,w/120#LP gen.opt.)	13.00	42.7	16,750	14,040	7,000	N/A	7,000	2,855	20.33%	4,000	18,000	4,080	ST255/85R16 E	4,400	2,710
1LR 381 FLWS(60#std,w/120#LP gen.opt.)	13.10	43.0	16,750	13,905	7,000	N/A	7,000	2,735	19.67%	3,750	18,000	4,080	ST255/85R16 E	4,400	2,845
1LY 375 BHFS(60#std,w/120#LP gen.opt.)	13.05	42.8	16,500	14,120	7,000	N/A	7,000	2,845	20.15%	3,750	18,000	4,080	ST255/85R16 E	4,400	2,380
1LZ 387 RDFS(60#std,w/120#LP gen.opt.)	13.08	42.9	16,500	14,035	7,000	N/A	7,000	2,817	20.07%	3,750	18,000	4,080	ST255/85R16 E	4,400	2,465
PINNACLE															
1RG 36 KPTS(60#std,w/120#LP gen.opt.)	12.50	41.0	16,500	13,455	7,000	N/A	7,000	2,815	20.92%	3,600	18,000	4,080	ST255/85R16 E	4,400	3,045
1RL 36 FBTS(60#std,w/120#LP gen.opt.)	12.40	40.7	16,500	13,535	7,000	N/A	7,000	2,730	20.17%	3,600	18,000	4,080	ST255/85R16 E	4,400	2,965
1RM 38 FLWS(60#std,w/120#LP gen.opt.)	12.86	42.2	16,995	14,235	7,000	N/A	7,000	3,060	21.50%	4,000	18,000	4,080	ST255/85R16 E	4,400	2,760
1RP 38 REFS(60#std,w/120#LP gen.opt.)(0051-82)	13.13	43.1	16,995	13,870	7,000	N/A	7,000	2,670	19.25%	3,600	18,000	4,080	ST255/85R16 E	4,400	3,125
1RR 37 MDQS(60#std,w/120#LP gen.opt.)	12.69	41.6	16,995	14,330	7,000	N/A	7,000	3,290	22.96%	3,600	18,000	4,080	ST255/85R16 E	4,400	2,665
1RU 36 SSWS(60#std,w/120#LP gen.opt.)	12.16	39.9	16,750	13,805	7,000	N/A	7,000	3,145	22.78%	3,600	18,000	4,080	ST255/85R16 E	4,400	2,945
1RV 32 RLTS(60#std,w/120#LP gen.opt.)	11.07	36.3	15,500	12,585	7,000	N/A	7,000	2,470	19.63%	3,600	18,000	4,080	ST255/85R16 E	4,400	2,915
TALON SPORT UTILITY															
18A 313T	12.13	39.8	16,000	10,800	7,000	N/A	7,000	2,280	21.11%	3,600	18,000	4,080	ST255/85R16 E	4,400	5,200
18B 413T	12.62	41.4	16,500	11,960	7,000	N/A	7,000	2,715	22.70%	3,600	18,000	4,080	ST255/85R16 E	4,400	4,540
18F 392T	12.92	42.4	16,900	12,235	7,400	N/A	7,400	2,760	22.56%	3,600	18,000	4,080	ST255/85R16 E	4,400	4,665
18G 403T	12.62	41.4	16,500	12,190	7,000	N/A	7,000	2,815	23.09%	3,600	18,000	4,080	ST255/85R16 E	4,400	4,310
SEISMIC SPORT UTILITY															
19G 4212	13.72	45.0	20,695	15,925	7,000	7,000	7,000	3,495	21.95%	4,000	21,000	4,080	ST255/85R16 E	4,400	4,770
19M 4114	13.72	45.0	20,695	15,800	7,000	7,000	7,000	4,035	25.54%	4,100	21,000	4,080	ST255/85R16 E	4,400	4,895
19N 4113	13.90	45.6	20,695	16,025	7,000	7,000	7,000	3,790	23.65%	4,000	21,000	4,080	ST255/85R16 E	4,400	4,670
19S 4013	13.92	45.7	20,695	15,845	7,000	7,000	7,000	4,000	25.24%	4,100	21,000	4,080	ST255/85R16 E	4,400	4,850
19T 4125	13.91	45.6	20,695	15,630	7,000	7,000	7,000	3,685	23.58%	4,100	21,000	4,080	ST255/85R16 E	4,400	5,065

Jayco Fifth Wheel Ratings

Axle & Brake Rating

- All Axles and Brakes (Trailer Running Gear) comply with the ***CSA Standard CAN3 -D313-M85***
  - ***Brakes***
    - » *Tested and Certified per* ***Section 4.6 Brake Performance***
  - ***Axles (Running Gear)***
    - » *Tested and Certified per* ***Section 4.7 Running Gear Integrity***
- All Axles and Brakes (Trailer Running Gear) also comply with ***CSA Standard Z240 RV Series***
  - » *Z240.1.2-14 Section 9 Trailer Running Gear*
  - » *See Appendix for Excerpt From Z240.1.2-14 Section 9*
- Certificates of Compliance are on record with CSA

Marking

- Axles are marked in accordance with CSA D313

CSA *Z240.1.2-14 Section 9*

Excerpt:

9 Trailer running gear

9.2 Imposed loads

When loaded to the design GVWR and center of gravity in accordance with Clause 5.3.2, trailers shall impose a load on each running gear assembly not exceeding the gross axle weight rating of each assembly.

9.3 Service brakes

Service brakes arranged symmetrically on each axle of the trailer shall be used on recreational vehicles if the unloaded vehicle mass is greater than 680 kg (1500 lbs.) or the GVWR as specified on the manufacturer's nameplate is greater than 910 kg (2006 lbs.). Brakes actuated by the inertia overrun of the trailer on the towing vehicle may be used on trailers up to 2725 kg (6008 lbs.).

9.4 Automatic actuation of service brakes

Recreational vehicles with GVWR exceeding 1350 kg (2976 lbs.) shall be equipped with service brakes that can be automatically actuated upon the trailer breaking away from the towing vehicle. Recreational vehicles with GVWR exceeding 1350 kg (2976 lbs.) shall also be equipped with a breakaway device. When the device is electrically operated, it shall be activated by a power source at least equivalent to a 12 V battery with an ampere-hour rating numerically equal to the current draw of the brake magnets, provided that the brakes have a 12 V rating (e.g., one braked axle with 4 L magnets will draw 6 A and thus the battery should be at least 12 V, 6 Ah). Trailers shall also have safety chains attached to the A-frame in accordance with Clause 5.4.

Notes:

Where a breakaway switch and safety chains are provided on the same unit, care should be taken to ensure that the breakaway switch actuating cable will not operate the switch until the trailer completely separates from the towing vehicle. (This includes failure and disengagement of the hitch mechanism and safety chains and ensures that normal brake control is maintained until complete separation.)

•*The power source for the breakaway device may be the same battery that is used to power the interior extra-low potential circuits.*

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CSA *Z240.1.2-14 Section 9*

Excerpt:

9 Trailer running gear (cont.)

9.5 Hydraulic trailer service brakes

Hydraulic trailer service brakes shall be designed to ensure that there is no loss of hydraulic fluid if the trailer breaks away from the towing vehicle.

9.6 Electric brakes

When electrically operated brakes are used, they shall be activated by a power source equivalent to or greater than that provided by a 12 V automobile battery. They shall be wired as shown in diagram (a) or (b) of Figure 3. For Figure 3(a), a minimum of 14-gauge wiring shall be used. For Figure 3(b), the wire gauges specified in Table 1 shall apply. Wiring shall comply with SAE J1128 or equivalent.

9.7 Pre-shipment checks

9.7.1 General

Every production unit recreational vehicle shall be checked before shipment in accordance with Clauses 9.7.2, 9.7.3, and 9.7.4.

9.7.2 Installation

Tire and wheel assemblies shall be installed on towable recreation vehicles (except for truck campers) per the requirements of ANSI TSIC-1.

9.7.3 Brake adjustment

The brake on each wheel shall be checked for adjustment in accordance with the brake manufacturer's recommendations.

9.7.4 Electrical check

When connected to a fully charged battery of the correct voltage and a capacity sufficient to maintain the rated voltage under test load, the current draw from the battery through the braking system shall equal ± 10% of the rated current draw of an individual magnet multiplied by the number of magnets employed on the brake system.

Note: *Figure 4 provides a suggested wiring diagram for an instrument to conduct the test specified in this Clause. In the absence of manufacturer's data, the instrument may also be used to check the current draw of an individual magnet.*

Jayco

RV Industry Request

The Federal - Provincial - Territorial Memorandum of Understanding on Interprovincial Weights and Dimensions be amended with the following:

1. **Vehicle Maximum Length for RV Towables be increased to 14.65 m.**
   - Preference would be for all towables not just 5th wheels.
2. An alternative could be to have the existing Vehicle Combination maximum length override the individual towable length.

Questions

Thank you for your time