STRENGTH
SIMPLICITY
DEPENDABILITY

C-Series Irrigation Travellers

Cadman since 1952

C-Series Features

Cadman is pleased to introduce the all new C-Series lineup of irrigation travellers. Utilizing the latest methods in manufacturing technology, Cadman has proven once again to be the leader in the industry. The new C-Series travellers include three chassis sizes and 16 different hose sizes, ranging in diameters from 2.3" to 4" and lengths from 700' to 1675'. The options do not stop there. Each C-Series traveller can be customized to suit your needs.

Standard Features

Fully Welded Uni-Body Contruction – All Cadman C-Series travellers are welded together – not bolted together. This gives superior strength and provides for durability in the field.

Hydraulic Stabilizers – Hydraulic stabilizers are raised and lowered with tractor hydraulics and as an option, a hand pump can be installed for times when a tractor is not available. As well, the gun cart lift is incorporated to raise and lower the cart along with the stabilizers.

True-Track Gun Cart – Each C-Series traveller comes standard with a True-Track gun cart. These carts have been designed to ensure the cart stays in the irrigation row. They also feature self-leveling which is important on hills, in valleys and at the end of the irrigation cycle.

Available in 46" and 62" height and orchard extensions are available upon request.

C-Series Features

Drive Systems

Infiniti Drive™ – Cadman's new Infiniti Drive™ system is revolutionary. By incorporating hydrostatics, there is no need to change gears. This means that you can simply engage the Infiniti Drive™ and walk away. As well, Cadman has the widest speed range available regardless of turbine or engine drive.

Turbine with Variable Vane Technology – An industry first! Cadman has developed the most advanced water turbine in the irrigation industry. By using variable vanes, the iWater™ control can adjust the turbine for maximum efficiency regardless of flow, pressure or hose retraction speed. This saves energy and pumping costs.

Engine Drive – As an alternative to the turbine, Cadman offers the best engine drive in the industry. Because we design our travellers from the beginning with engine use in mind, we make sure that the Honda motor is running at peak fuel efficiency. For a normal irrigation cycle, the Honda motor only hasto run at lower speeds instead of full rpm.

iWater™ Control – The all new iWater™ system is another industry first providing direct control of the irrigation traveller. Features include multiple irrigation speeds during a single cycle, start and end delay, accurate speed compensation and turbine control. Options include cell phone control and remote pump control.

Options

Turntable assist – This allows the operator to utilize a hand crank to rotate the upper frame.
Hydraulic turntable assist – This allows the operator to use the hydraulics from the tractor to rotate the upper frame.

Signal beacon – With this option, the operator can set-up through the iWater™ control whether an LED beacon flashes during the irrigation cycle or if it flashes after the irrigation cycle is completed. This allows for conveniently checking on the status of the traveller.

Booster pump – All C-Series travellers can be set up with a tongue-mounted booster pump in either PTO or engine drive configuration.

Wind sensor – For areas that are subject to high winds, an optional wind sensor can be installed on the iWater™ control to pause the irrigation cycle should the need arise. Once the wind has slowed down, the iWater™ control will resume the irrigation cycle.

Close-up sprinkler kit – The available sprinkler kit option is great for watering close up to the irrigation reel. By programming the iWater™ control, the operator can set the start and end time.

Crossover inlet tube – For convenient hook-up to the mainline, a galvanized crossover tube can be installed so the in-feed hose can be connected to the traveller on either side of the machine.

Performance Chart

Model	Hose I.D.	Hose Length	Input P.S.I. at Traveller	Sprinkler P.S.I.	Flow Rate U.S. GPM	Lane Spacing	Acres Per Pull	Time to Apply 1 Inch Acre	Time per Pull For 1" Application	Time per Pull For 0.5" Application
C1 2300 XL-B	2.3"	1000'	130	90	104	260'	6.0	4.4 hr.	26.1 hr.	13.0 hr.
			130	80	117	263'	6.0	3.9 hr.	23.4 hr.	11.7 hr.
			150	90	129	270'	6.2	3.5 hr.	21.8 hr.	10.9 hr.
			150	80	140	277'	6.4	3.2 hr.	20.6 hr.	10.3 hr.
C1 2300 XL	2.3"	1150'	130	90	96	248'	6.5	4.7 hr.	31.0 hr.	15.5 hr.
			130	80	108	251'	6.6	4.2 hr.	27.9 hr.	13.9 hr.
			150	90	120	260'	6.9	3.8 hr.	26.0 hr.	13.0 hr.
			150	80	130	265'	7.0	3.5 hr.	24.4 hr.	12.2 hr.
C1 2500	2.5"	1082'	130	90	124	261'	6.5	3.7 hr.	23.7 hr.	11.9 hr.
			130	80	140	268'	6.7	3.2 hr.	21.6 hr.	10.8 hr.
			150	90	154	280'	7.0	2.9 hr.	20.5 hr.	10.3 hr.
			150	80	167	285'	7.1	2.7 hr.	19.3 hr.	9.6 hr.
C2 2700	2.7"	1000'	130	90	158	282'	6.5	2.9 hr.	18.6 hr.	9.3 hr.
			130	80	178	289'	6.6	2.6 hr.	16.9 hr.	8.5 hr.
			150	90	196	305'	7.0	2.3 hr.	16.2 hr.	8.1 hr.
			150	80	213	310'	7.1	2.1 hr.	15.2 hr.	7.6 hr.
C2 3000S	3.0"	700'	130	90	252	329'	5.3	1.8 hr.	9.5 hr.	4.8 hr.
			130	80	284	332'	5.3	1.6 hr.	8.5 hr.	4.3 hr.
			150	90	313	346'	5.6	1.5 hr.	8.1 hr.	4.0 hr.
			150	80	341	350'	5.6	1.3 hr.	7.5 hr.	3.7 hr.
C2 2700 XL-B	2.7"	1285'	130	90	138	277'	8.2	3.3 hr.	26.9 hr.	13.4 hr.
			130	80	155	279'	8.2	2.9 hr.	24.1 hr.	12.1 hr.
			150	90	172	294'	8.7	2.6 hr.	22.9 hr.	11.5 hr.
			150	80	186	298'	8.8	2.4 hr.	21.5 hr.	10.7 hr.
C2 2700 XL	2.7"	1410'	130	90	131	271'	8.8	3.5 hr.	30.4 hr.	15.2 hr.
			130	80	148	275'	8.9	3.1 hr.	27.3 hr.	13.7 hr.
			150	90	163	292'	9.5	2.8 hr.	26.3 hr.	13.2 hr.
			150	80	177	298'	9.6	2.6 hr.	24.8 hr.	12.4 hr.
C2 3000	3.0"	1050'	130	90	233	305'	7.4	1.9 hr.	14.3 hr.	7.2 hr.
			130	80	228	310'	7.5	2.0 hr.	14.9 hr.	7.4 hr.
			150	90	252	321'	7.7	1.8 hr.	13.9 hr.	7.0 hr.
			150	80	274	327'	7.9	1.7 hr.	13.1 hr.	6.5 hr.
C2 3250	3.25"	975'	130	90	261	329'	7.4	1.7 hr.	12.8 hr.	6.4 hr.
			130	80	295	332'	7.4	1.5 hr.	11.4 hr.	5.7 hr.
			150	90	325	345'	7.7	1.4 hr.	10.8 hr.	5.4 hr.
			150	80	354	350'	7.8	1.3 hr.	10.1 hr.	5.0 hr.
C2 3500S	3.5"	900'	130	90	329	353'	7.3	1.4 hr.	10.1 hr.	5.0 hr.
			130	80	371	360'	7.4	1.2 hr.	9.1 hr.	4.6 hr.
			150	90	409	379'	7.8	1.1 hr.	8.7 hr.	4.3 hr.
			150	80	445	385'	8.0	1.0 hr.	8.1 hr.	4.1 hr.
C3 3000 XL-B	3.0"	1475'	130	90	168	293'	9.9	2.7 hr.	26.8 hr.	13.4 hr.
			130	80	190	296'	10.0	2.4 hr.	24.0 hr.	12.0 hr.
			150	90	210	310'	10.5	2.2 hr.	22.7 hr.	11.4 hr.
			150	80	228	312'	10.6	2.0 hr.	21.0 hr.	10.5 hr.
C3 3000 XL	3.0"	1675'	130	90	157	281'	10.8	2.9 hr.	31.3 hr.	15.6 hr.
			130	80	178	289'	11.1	2.6 hr.	28.4 hr.	14.2 hr.
			150	90	196	305'	11.7	2.3 hr.	27.2 hr.	13.6 hr.
			150	80	213	310'	11.9	2.1 hr.	25.4 hr.	12.7 hr.
C3 3300	3.3"	1475'	130	90	216	321'	10.9	2.1 hr.	22.9 hr.	11.4 hr.
			130	80	244	323'	10.9	1.9 hr.	20.4 hr.	10.2 hr.
			150	90	269	329'	11.1	1.7 hr.	18.8 hr.	9.4 hr.
			150	80	293	331'	11.2	1.6 hr.	17.4 hr.	8.7 hr.
C3 3500	3.5"	1320'	130	90	268	329'	10.0	1.7 hr.	16.9 hr.	8.4 hr.
			130	80	302	331'	10.0	1.5 hr.	15.1 hr.	7.5 hr.
			150	90	334	353'	10.7	1.4 hr.	14.5 hr.	7.3 hr.
			150	80	362	356'	10.8	1.3 hr.	13.5 hr.	6.8 hr.
C3 3700S	3.7"	1150'	130	90	335	365'	9.6	1.4 hr.	13.1 hr.	6.5 hr.
			130	80	378	368'	9.7	1.2 hr.	11.7 hr.	5.8 hr.
			150	90	417	382'	10.1	1.1 hr.	11.0 hr.	5.5 hr.
			150	80	453	385'	10.2	1.0 hr.	10.2 hr.	5.1 hr.
C3 4000S	4.0"	1000'	130	90	443	387'	8.9	1.0 hr.	9.1 hr.	4.6 hr.
			130	80	500	400'	9.2	0.9 hr.	8.3 hr.	4.2 hr.
			150	90	551	405'	9.3	0.8 hr.	7.7 hr.	3.8 hr.
			150	80	600	414'	9.5	0.8 hr.	7.2 hr.	3.6 hr.

Performances are shown with 24" trajectory Komet Twin Pro guns. All pressure loss calculations have been obtained using the Hazen-Williams formula. Calculations do not include turbine losses, which can range from 2 PSI to 15 PSI depending on flow, pressure and hose retrieval speed.
Performance data has been obtained under ideal test conditions and may be adversely affected by wind, trajectory of the gun or other factors. No representation regarding droplet condition, uniformity, or suitability for a particular application is made herein. The performances shown above are a guidline based on one sprinkler brand only. For performance with other brands, please contact your Cadman representative.

Cadman Power Equipment's over half century of leadership and experience in design and manufacturing stands behind all Cadman products.

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