

STRENGTH  
SIMPLICITY  
DEPENDABILITY

# Cadman



1400  
1800  
2000S  
2000XL  
2100

# Mini-Travellers

Agricultural ■ Municipal ■ Sports Fields ■ Commercial



Cadman is pleased to present its line of Mini-Travellers for irrigation.

Keeping the needs of the customer at heart, Cadman has used the latest technology in traveller design and performed long term testing to give you the best quality machine available today.

Our motto is: **Strength... Simplicity... Dependability...** These qualities can readily be seen in all of our Mini-Travellers. The strong frame, the simple to use drive system and the dependability you get from all Cadman products.



Cadman Mini-Travellers are ideal for sports fields, small farm operations, estate lots, cemeteries, golf courses and even dust suppression in arenas. Because of the compact size, Cadman Mini-Travellers are easy to maneuver, easy to set up and easy to use.

Cadman backs all of their Mini-Travellers with a one year warranty on all components and a three year warranty on the frame and drum.



#### Rugged Frame

The frame is a uni-body construction utilizing 2" x 2" and 2" x 4" heavy wall tubing. The tubing is then mated with a 10 gauge skin which gives the overall structure superior strength that will outlast the competition.



#### Stabilizers & Front Hitch

All heavily used parts on the Cadman Mini-Traveller are galvanized including the rear stabilizer legs and the front hitch. The stabilizers operate by simply removing the transport pin and placing the foot of the leg into the ground. This prevents the Traveller from moving while the hose is winding in.



#### Heavy Duty Drum

The one-piece drum core is made from heavy duty steel plate for continuous support. Cadman oversized its core diameter to prevent stress on the hose, promoting longer life and easier wrapping of the hose. With reinforcing plates and welded construction, the Cadman drum is, by far, the strongest in the industry.



#### Accurate Hose Indexing

Cadman's hose guide system keeps the polyethylene hose in its place accurately and efficiently. With its rugged design, maintenance is kept to a minimum.



#### High Quality Hose

Cadman Travellers use only the best quality hose available. Our polyethylene hose is manufactured to ASTM and CSA standards for rough field use and long life.



#### Feeder Hose

All Cadman Mini-Travellers come with a 2" x 20' feeder hose to connect the machine to your main line. As with everything else, Cadman uses the best quality high pressure hose, clamps, and fittings.



#### Auto-Stop & Hose Build-Up Safety

When the sprinkler cart reaches the Traveller, a simple bar is depressed which stops the drum from turning. At the same time, a valve on the cart stops the flow of water, preventing a mess from being created due to over-watering around the Traveller. If the hose guide malfunctions for any reason, the auto stop bar is pushed to stop the drum from turning and preventing the hose from being damaged.



#### Sprinkler & Cart

An appropriate sized quality gun is fitted by your Cadman representative. We carry brands such as Nelson, Comet, Sime, and Rain-Bird. All Cadman sprinkler carts are built with steel tubing and then galvanized for maximum life. For orchard applications, Cadman can fit any cart with an extension to raise the sprinkler above the height of your crop.

## Advanced Options To Give You Advanced Performance

**Cadman offers three drive options on all of their Mini-Travellers.**



The Hydra-Drive Turbine is standard on all Mini-Travellers. This advanced system works by using the water flow to power the machine. Unlike a bellows drive, there is no water discharged beside the machine, creating a mess. Cadman has utilized the latest technology in turbine design to guarantee you high efficiency operation.

*Here's how it works:*

The turbine spins by directing water through the veins of the runner. This in turn spins a hydraulic pump. The speed the hose is retrieved and is then set by simply turning a valve on the hydraulic pump. Because the speed is set hydraulically, the turbine can remain at its most efficient RPM, therefore minimizing the pressure loss generated.

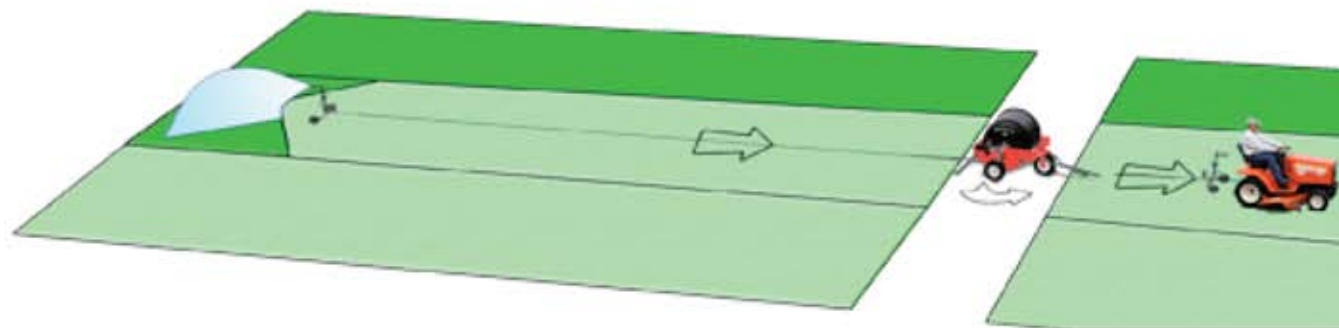


Cadman also offers an engine drive. This system loses "0" P.S.I. because it is self contained and separate from the fluid irrigated. This allows you to maximize your pump efficiency and possibly irrigate farther and faster by directing the water straight to the sprinkler, instead of having it run through a turbine, bellows or piston. The Cadman engine system is also an excellent choice for irrigating gray water or even low-solids liquid manure.



As an industry first, Cadman offers an electric drive system. As with the engine drive, the electric system loses "0" P.S.I. This is a very popular option for dust suppression in arenas, or for irrigating near buildings where pressure is too low to operate a turbine, or an engine would be too loud.

All Cadman Mini-Travellers are simple to operate. To begin, put the machine at the end of the field requiring irrigation. Engage the stabilizer feet, disengage the drive system and pull the hose out. Start your pump and pressurize the system with water. Re-engage the drive system. Once the turbine, engine or electric drive is running, set the hose retrieval rate. Allow the machine to wind the hose in and the machine will automatically shut down when finished. Re-set the machine for operating in another location. It's that easy!



# PERFORMANCE CHARTS

Model	Hose I.D.	Hose Length	Input P.S.I. at Traveller	Sprinkler P.S.I.	Flow Rate 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	Time per Pull For 0.25" Application
1400	1.44"	350'	52	40	28	147'	1.2	16.2 hr	19.2 hr	9.6 hr	4.8 hr
			48	30	35	146'	1.2	13.0 hr	15.2 hr	7.6 hr	3.8 hr
			72	40	47	174'	1.4	9.7 hr	13.5 hr	6.8 hr	3.4 hr
			115	65	60	205'	1.6	7.6 hr	12.5 hr	6.2 hr	3.1 hr
1800	1.82"	380'	34	25	43	147'	1.3	10.6 hr	13.5 hr	6.8 hr	3.4 hr
			59	40	63	188'	1.6	7.2 hr	11.8 hr	5.9 hr	3.0 hr
			95	65	81	222'	1.9	5.6 hr	10.9 hr	5.4 hr	2.7 hr
			124	80	100	248'	2.2	4.5 hr	9.8 hr	4.9 hr	2.5 hr
2000S	2.0"	320'	31	25	50	153'	1.1	9.1 hr	10.2 hr	5.1 hr	2.6 hr
			60	40	91	210'	1.5	5.0 hr	7.7 hr	3.9 hr	1.9 hr
			95	55	132	247'	1.8	3.4 hr	6.2 hr	3.1 hr	1.6 hr
			136	80	159	278'	2.0	2.9 hr	5.8 hr	2.9 hr	1.5 hr
2000XL	2.0"	580'	30	25	32	133'	1.8	14.2 hr	25.1 hr	12.6 hr	6.3 hr
			46	35	51	172'	2.3	8.9 hr	20.4 hr	10.2 hr	5.1 hr
			84	60	77	216'	2.9	5.9 hr	17.0 hr	8.5 hr	4.2 hr
			131	80	115	257'	3.4	3.9 hr	13.5 hr	6.8 hr	3.4 hr
2100	2.12"	400'	39	30	62	174'	1.6	7.3 hr	11.7 hr	5.9 hr	2.9 hr
			78	60	88	222'	2.0	5.2 hr	10.5 hr	5.3 hr	2.6 hr
			101	70	120	252'	2.3	3.8 hr	8.8 hr	4.4 hr	2.2 hr
			133	80	159	287'	2.6	2.9 hr	7.5 hr	3.8 hr	1.9 hr

Performance is shown with a 24" trajectory Komet Twin Max using taper bore nozzles. 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 9 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 guideline based on one sprinkler only. For performance with other brands, please contact your Cadman representative.



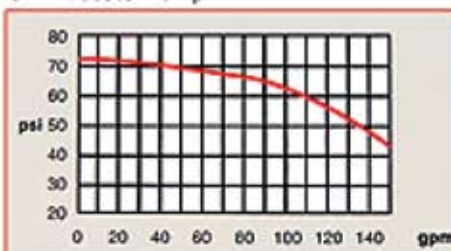
## Optional Booster Pumps

Cadman Mini-Travellers are designed to work with most municipal water supplies. However, if needed, Cadman can provide a frame mounted booster pump from either Cornell or Monarch. Depending on your needs, we have both 5.5 HP and a 9 HP Honda driven pump.

5.5 HP Booster Pump



9 HP Booster Pump



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

Cadman Power Equipment Limited, whose policy is one of continuous improvement, reserves the right to change specifications, design or prices without incurring obligation.

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