

STRENGTH  
SIMPLICITY  
DEPENDABILITY



**3750XL** WIDE BODY ■ **4000S** WIDE BODY ■ **4500S** WIDE BODY

**Cadman**





### RUGGED FRAME

The lower frame is constructed of heavy wall 3 x 6 inch tubing. The upper frame is constructed of mainly 3 x 5 inch tubing. The use of steel tubing gives all Cadman Travellers higher torsional strength than typical I-beam constructions.



### TURNTABLE

All Cadman Travellers are equipped with ball-bearing turntables. With multiple locking positions and a centrally located lock pin, positioning of the Traveller is made simple and easy.



### HEAVY-DUTY DRUM

The one-piece drum core is made from 3/16" 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 ribs and welded construction, the Cadman drum is, by far, the strongest in the industry.



### LONG-LASTING DRUM BEARINGS

The drum bearings are constructed of high strength lubricated nylon. Virtually maintenance free, these bearings will provide years of trouble-free service. The real advantage, however, is the ability to maintain oversized plumbing on the inlet side of the drum, giving you maximum efficiency. Competitors usually bottleneck the inlet so they can keep the cost of the ball bearing they use down.



### 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.



### LARGE PLUMBING

Large 5" diameter plumbing is used on the reel to reduce pressure loss. Each elbow uses 2 pounds per square inch. The Cadman Traveller has far fewer elbows than used by others. We have no bottlenecks of smaller pipes and hoses. Our Traveller is not a pipefitter's nightmare! It is designed to utilize pressure to its fullest advantage in order to operate the reel easily and maintain an energy-efficient irrigation system.



### POSITIVE TRACTION CHAIN DRIVE

All Cadman Travellers are driven by a single No. 80 chain, running over the large diameter of the drum on traction pins. This gives Cadman the advantage of maximum torque amplification vs. smaller laser-cut sprockets used by others. By putting less strain on the drive system, less power is needed to rotate the drum, therefore giving you maximum efficiency.



### ENGINE DRIVE

The Cadman engine drive system loses "0" P.S.I. because it is self-contained and separate from the fluid irrigated, whereas pistons, bellows or turbines lose 5 to 20 P.S.I. This loss has to be overcome by a pump running harder. These other systems usually result in using less mainline or a smaller gun nozzle in order to keep the pump pressure within operating maximums.



### TRANSMISSION

A wide speed range is achieved in Cadman's engine drive system by using a combination of drive and driven variable speed pulleys and a clutch reduction transmission. Simply turn the knob to adjust the drive pulley to the desired speed and engage the transmission lever. There is no need to change gears to achieve a specific speed. As well, an alternate PTO wind-in is incorporated into the transmission. Very clean and easy to operate!



### AUTO STOP

When the gun cart reaches the reel, a simple device activates two safety switches. If one switch fails, the second takes over, ensuring maximum safety for you and the machine.



### HOSE BUILD-UP SAFETY

If the hose guide malfunctions for any reason, a safety switch is activated by the speed compensator to shut off the engine. This prevents the hose from miswrapping and crushing itself.



### BRAKE

A disc brake ensures that proper tension is applied to the drum when unwinding the hose. This prevents recoil when the tractor comes to a stop at the end of the pull. When fully applied, the Traveller can then be moved safely from field to field without concern of recoil.



### 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.



### EASY-TO-READ SPEEDOMETER

All Cadman Travellers are equipped with an easy-to-read speedometer, displaying the hose retrieval rate.



### HEAVY-DUTY CRANK DOWN STABILIZERS

As standard equipment, the Cadman 4000 Series Travellers come with crank down stabilizer legs. The easy-to-use telescopic jacks are built to Cadman's specifications for rigid, trouble-free operation. As an option, hydraulic stabilizers can be installed.



### TANDEM AXLE/HIGH FLOATATION TIRES

The 3750XL and 4000S Wide Body Travellers come standard with tandem axles. The tandem axle feature provides excellent maneuverability and stability. When operating in adverse conditions, weight can be transferred to the back of the tractor by using an 11-hole drawbar, while maintaining the best floatation.



### FEEDER HOSE

A standard 4" x 25' hose is supplied to connect the Traveller to your mainline. As with everything else, Cadman uses the best quality high pressure hose and clamps.



### GUN AND CART

An appropriate sized quality gun is standard. Cadman offers a choice of three different carts for the 4000 Series Travellers. For low crops or manure application, a 28" clearance cart is available. For medium height crops we have a 46" clearance cart and for high crops a 62" clearance cart is available.

These rugged carts are made of steel tube construction. Based on three wheels (no skids), the carts have variable width adjustment to fit the plant rows. Riser extensions are also available as an option for orchard applications.



### OPTIONAL CLOSE-IN SPRINKLER KIT

All Cadman Travellers are available with a sprinkler kit which allows irrigation of the area closest to the Traveller that might be missed by the primary gun on the cart.



### OPTIONAL BOOSTER PUMP

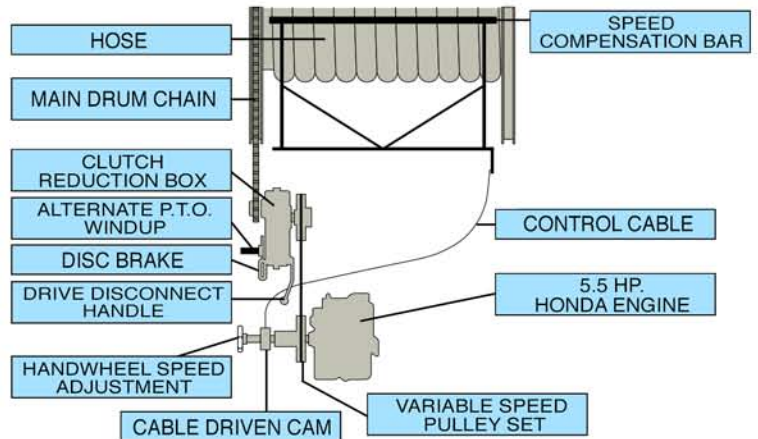
Cadman offers an appropriate-sized P.T.O. booster pump that is tongue-mounted for your convenience. This allows you to maintain a lower mainline pressure, yet still maximize the efficiency of the Traveller.



### OPTIONAL AIR COMPRESSOR

Blowing the water out of the Traveller with air means up to 10,000 lbs less weight. This allows you to use smaller tractors to maneuver the machine and to pull out the polyethylene hose. Tongue-mounted for your convenience, the compressor can blow out a Traveller in less than five minutes.

### TOP VIEW OF CADMAN MECHANICAL CAM DRIVE SPEED COMPENSATION



### HOSE SPEED COMPENSATION

The Cadman MECHANICAL CAM DRIVE HOSE SPEED COMPENSATION SYSTEM has simplified the task of very accurately compensating the hose retrieve speed for the increase in drum diameter as hose is rewound onto the drum. Here's how it works. A sensor bar, riding against the hose as it winds onto the drum, operates a cam on the variable speed drive pulley by way of a cable. As the cam rotates, the pulley pitch is adjusted just enough to accurately compensate for changes in hose speed over the entire retrieve cycle. The result is an even application from beginning to end!

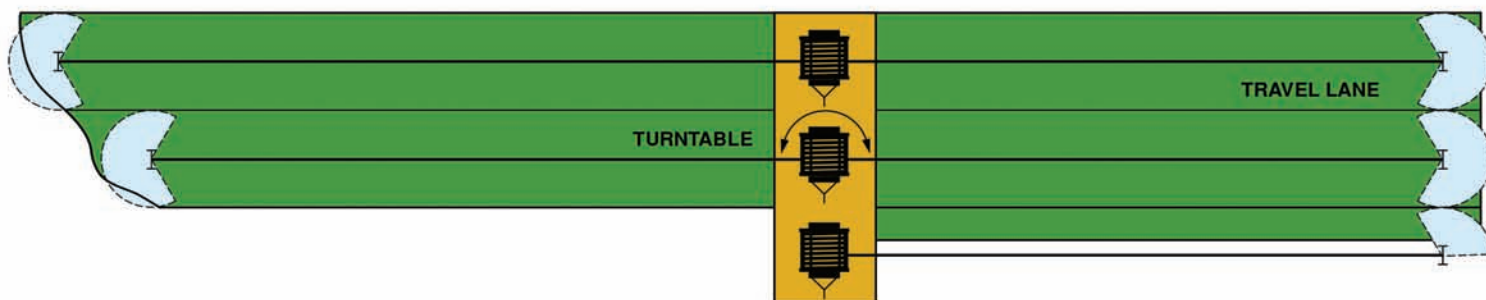
# 3750XL WIDE BODY

# 4000S WIDE BODY

# 4500S WIDE BODY

Model	Hose I.D.	Hose Length	Input P.S.I. At Traveller	Gun P.S.I.	Flow Rate G.P.M.	Lane Spacing	Acres Per Pull	Time to Apply 1 Inch /Acre	Time Per Pull
3750XL Wide Body	3.75"	1320'	130	90	321	316'	9.6	1.4 hr	13.6 hr
			130	80	362	324'	9.8	1.3 hr	12.3 hr
			150	90	400	337'	10.2	1.1 hr	11.6 hr
			150	80	434	343'	10.4	1.0 hr	10.9 hr
4000S Wide Body	4.09"	1250'	130	90	416	343'	9.8	1.1 hr	10.7 hr
			130	80	469	350'	10.0	1.0 hr	9.7 hr
			150	90	518	355'	10.2	.9 hr	8.9 hr
			150	80	562	362'	10.4	.8 hr	8.4 hr
4500S Wide Body	4.5"	1175'	130	90	555	366'	9.9	.8 hr	8.1 hr
			130	80	627	370'	10.0	.7 hr	7.2 hr
			150	90	691	376'	10.1	.7 hr	6.7 hr
			150	80	752	381'	10.3	.6 hr	6.2 hr

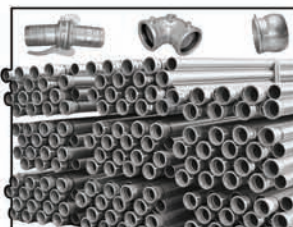
Performance is shown with appropriate Komet Twin Volume Gun. Lane spacing was obtained by taking 20% off of the published diameter of the gun. Performance data has been obtained under ideal test conditions and may be adversely affected by wind, trajectory of the gun or other factors. No representation regarding droplet condition, uniformity, or suitability for a particular application is made herein.



Power Units



Caprari Water Pumps



Aluminum Pipe and Fittings



PVC Pipe and Fittings



Manure Pumps

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

Cadman Power Equipment's 60+ years of leadership and experience in design and manufacturing stands behind every Cadman Traveller produced.



# Cadman

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