SOUTHERN IRRIGATION
Intelligent Water Solutions

VR5 - 110X450

OCMIS

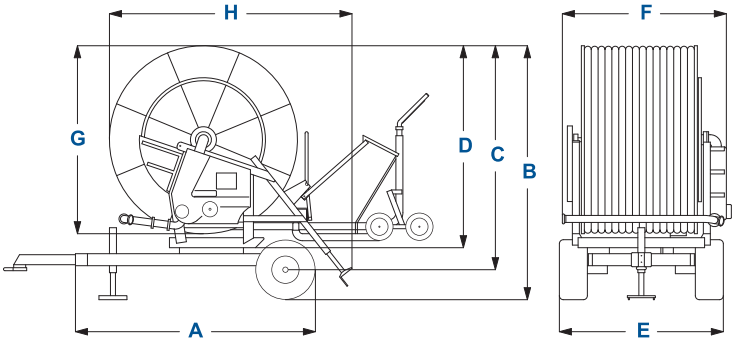
FEATURES

- VarioRain Transmission
- Speed compensation
- Hose cart flushout
- All galvanized frame & 4-wheel guncart
- Galvanized Reel
- Non-rusting aluminum elbow entering machine
- Triple gaskets on inlet elbow
- Crossover hose hook-up to either side of machine
- Guncart Lift
- Emergency PTO rewind capability
- Direct speed readout
- Manual hydraulic stabilizer legs
- 20 feet of supply hose
- Ball & socket quick connects
- Fully adjustable guncart
- Adjustable part circle sprinkler gun
- Direct gear drive systems- no chains
- Computer and solar panel
- Hydraulic rotation device + hydraulic drawbar

OPTIONS

- Watering boom
- Blow out compressor
- Rewind by engine
- Engine hydraulics

DIMENSIONS



A cm	A. *inch*	B cm.	B *inch*	C cm	C *inch*	D cm	D *inch*
359	*141.3*	363	*142.9*	322	*126.8*	303	*119.3*
E cm	**E *inch***	**F cm**	**F *inch***	**G cm**	**G *inch***	**H cm**	**I *inch***
230	*90.6*	248	*97.7*	280	*110.3*	340	*133.9*

SPECIFICATIONS

- 1476 feet, 3.61" i.d. hose (110x450)
- Sime-Reflex-- 26/28/30mm nozzles
- Weight -- 8,530 lbs.
- Turbine Drive

PERFORMANCE SUMMARY

FLOW RATE GPM	INLET PRESS. (psi)	SPRINKLER PRESS. (psi)	WIDTH 80% FEET
169	93	65	220
250	118	73	268
289	128	73	273
333	128	73	283

Performance Chart

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VR5 110x450 PERFORMANCE CHART

SPRINKLER nozzle		SPRINKLER THROW	ECOMENDE STRIP 80%	WATER DELIVER gallon	gallon	AREA POSITION	inch OF RAIN ON IRRIGATED STRIP AND RECOMENDED PRESSURE AT THE MACHINE																	
							0,394	inch	0,591	inch	0,788	inch	0,985	inch	1,182	inch	1,379	inch	1,576	inch	1,97	inch	2,364	inch
	psi	feet	feet	MIN.	HOUR	ACRES	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi	feet	psi
mm																								
22	44	121	194	138	8.268	6,98	174	70	116	68	87	66	69	66	58	65	50	65	43	63	35	63	29	63
0,9	58	135	215	159	9.567	7,80	181	89	121	86	91	84	72	84	60	83	52	83	45	81	36	81	30	81
inch	65	44	220	169	10.153	8,00	188	98	125	95	94	93	75	93	63	92	54	92	47	90	38	90	31	90
	73	148	236	178	10.708	8,63	185	107	123	104	92	102	74	102	62	101	53	101	46	99	37	99	31	99
	80	156	249	187	11.215	9,16	183	115	122	113	92	111	73	111	61	110	52	110	46	108	37	108	31	108
recommended gear speed							**3**		**3**		**2**		**2**		**2**		**1**		**1**		**1**		**1**	
mm																								
24	44	128	205	164	9.868	7,39	197	75	131	72	98	71	79	71	66	69	56	69	49	68	39	68	33	68
0,9	58	144	231	190	11.405	8,42	201	94	134	91	101	90	81	90	67	89	58	89	50	87	40	87	34	87
inch	65	151	241	202	12.102	8,84	204	104	136	101	102	100	82	100	68	98	58	98	51	97	41	97	34	97
	73	157	252	213	12.767	9,26	207	114	138	111	103	109	83	109	69	108	59	108	52	106	41	106	34	106
	80	161	257	223	13.369	9,47	212	123	141	120	106	119	85	119	71	117	61	117	53	116	42	116	35	116
recommended gear speed							**3**		**3**		**2**		**2**		**2**		**2**		**1**		**1**		**1**	
mm																								
26	44	135	215	193	11.595	7,80	220	80	146	78	110	76	88	76	73	75	63	75	55	73	44	73	37	73
1,0	58	151	241	223	13.401	8,84	226	101	151	99	113	97	91	97	75	96	65	96	57	94	45	94	38	94
inch	65	157	252	237	14.224	9,26	230	112	153	109	115	108	92	108	77	106	66	106	58	105	46	105	38	105
	73	167	268	250	14.985	9,90	228	122	152	119	114	118	91	118	76	116	65	116	57	115	46	115	38	115
	80	171	273	262	15.713	10,12	235	133	156	130	117	128	94	128	78	127	67	127	59	125	47	125	39	125
recommended gear speed							**4**		**3**		**3**		**2**		**2**		**2**		**1**		**1**		**1**	
mm	44	144	231	224	13.432	8,42	237	87	158	84	119	83	95	83	79	81	68	81	59	80	47	80	40	80
28,0	58	157	252	259	15.539	9,26	251	110	168	107	126	106	101	106	84	104	72	104	63	103	50	103	42	103
inch	65	164	262	275	16.474	9,69	256	121	171	118	128	117	102	117	85	115	73	115	64	114	51	114	43	114
1,1	73	171	273	289	17.361	10,12	259	133	173	130	130	128	104	128	86	127	74	127	65	125	52	125	43	125
	80	176	281	303	18.200	10,44	264	144	176	141	132	139	106	139	88	138	75	138	66	136	53	136	44	136
	87	180	289	317	19.040	10,76	269	155	179	152	134	151	108	151	90	149	77	149	67	148	54	148	45	148
recommended gear speed							**4**		**3**		**3**		**2**		**2**		**2**		**2**		**1**		**1**	
mm	44	151	241	257	15.428	8,84	261	95	174	92	130	91	104	91	87	89	74	89	65	88	52	88	43	88
30,0	58	164	262	298	17.852	9,69	277	120	185	117	139	116	111	116	92	115	79	115	69	113	55	113	46	113
inch	65	171	273	315	18.929	10,12	283	133	188	130	141	128	113	128	94	127	81	127	71	125	57	125	47	125
1,2	73	177	283	333	19.958	10,55	287	145	191	142	144	141	115	141	96	139	82	139	72	138	57	138	48	138
	80	185	297	348	20.909	11,09	287	157	192	154	144	153	115	153	96	152	82	152	72	150	57	150	48	150
recommended gear speed							**4**		**3**		**3**		**2**		**2**		**2**		**2**		**2**		**1**	

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These tables are merely indicative because they have been worked out through mathematical formula and according to average working conditions .
Consequently Ocmis declines any responsabilities deriving from their application.

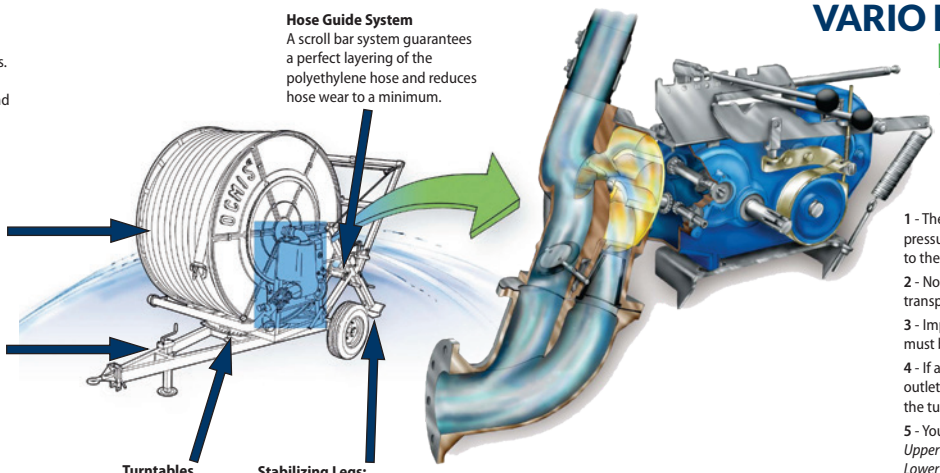
Drum
Engineered for compactness. Painted with epoxy primer and polyurethane compound paint using vanguard techniques.

PE Hose
Top quality PE hose manufactured to resist very heavy drags and very high working pressures.

Frame:
The chassis is made of bolted sections, composed of strong steel beams electronically welded by robots and hot dipped galvanized.

Gun Stand:
Gun stand available in 2-wheel, 4-wheel or 5-wheel versions according to model. Special versions available to accommodate the most varied work conditions.

Hose Guide System
A scroll bar system guarantees a perfect layering of the polyethylene hose and reduces hose wear to a minimum.



Turntables
Turntables are mounted on large diameter bearings for easy rotation.

Stabilizing Legs:
Large hydraulic or mechanical stabilizer legs assure stability to the machine in the toughest working conditions.

VARIO RAIN
pure technology

The Vario Rain Gearbox is derived from Ocmis' continued investment in R&D, resulting in a gearbox with lower pressure drops, easy to use, versatile, robust, and needing minimum maintenance.
Standard on all V-series reels.

1 - The most efficient turbine on the market-- requiring less water and pressure to run gearbox, allowing more water and pressure to flow through to the gun.

2 - No back-stop (no anti-reverse pawl) - middle position of gear lever is for transport (locks down drum). No backlash when changing speeds.

3 - Impossible to break gearbox by winding up hose with PTO; gear shift must be in correct position otherwise reel will not turn.

4 - If a rock locks up the impeller you can reverse the impeller (turning the outlet shaft next to turbine), release the rock without having to open up the turbine.

5 - You can always see what speed you are in:
Upper lever - Variable speeds: 1-2-3-4
Lower Lever - Left position: hose/cart pull-out (& PTO wind-up)
- Centre Position: drum lock down (for transport)
- Right Position: working position