



**SOUTHERN
IRRIGATION**

VR5R - 125 x 440 OCMIS



FEATURES

- VarioRain Transmission
- Speed compensation
- Hose cart flushout
- 4-wheel chassis
- All galvanized frame & 5-wheel guncart
- Galvanized Reel
- Non-rusting aluminum elbow entering machine
- Triple gaskets on inlet elbow
- Crossover hose hook-up to either side of machine
- Emergency PTO rewind capability
- 20 feet of supply hose
- Ball & socket quick connects
- Fully adjustable guncart
- Adjustable part circle sprinkler gun
- Direct gear drive systems - no chains
- Hydraulic stabilizer legs and gun cart by tractor
- Hydraulic turntable by tractor
- Hydraulic drawbar by tractor
- Aquastar computer and solar panel
- Water inlet filter
- 108 mm Bauer water inlet

AVAILABLE OPTIONS

- Watering boom
- Blow out compressor
- Rewind by engine
- Engine hydraulics
- Nelson Big Gun/Komet Twin Ultra

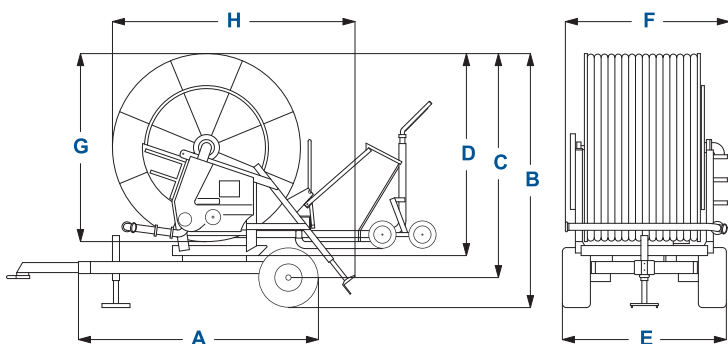
SPECIFICATIONS

- 1443 feet, 4.1" i.d. hose (125 mm x 440 m)
- Sime-Explorer gun -- 32/34/36mm nozzle
- Dry Weight: 7,500 lbs | Wet Weight: 17,997 lbs
- Turbine Drive

PERFORMANCE SUMMARY

Nozzle Size	Flow Rate (GPM)	Inlet Press. (PSI)	Sprinkler Press. (PSI)	Width 75% 25% Overlap (FT)
28 mm / 1.1 in	289	108	73	275
30 mm / 1.2 in	333	115	73	275
32 mm / 1.3 in	378	123	73	285
34 mm / 1.3 in	427	132	73	290
36 mm / 1.4 in	479	143	73	300

DIMENSIONS



A inch	B inch	C inch	D inch	E inch	F inch	G inch	H inch
141.3	144	127	120.4	90.6	97.7	112.5	133.9

Performance Chart

VR5R - 125 x 440 PERFORMANCE CHART

A	B	C	D	E			F	G																	
BOCC		GIT.	FASCIA	Q = PORTATA			AREA	mm DI PIOGGIA SULLA FASCIA IRRIGATA E PRESSIONE NECESSARIA ALLA MACCHINA																	
IRR.	IRR.	IRR.	CONS.	Lt/Min	Lt/h	M3/h	POST.	10		15		20		25		30		35		40		50		60	
								mm		mm		mm		mm		mm		mm		mm		mm		mm	
mm	bar	mt	mtx80%				Ha	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar	mth	bar
28	3,0	44	70	848	50.880	50,88	3,34	72	5,1	48	4,9	36	4,9	29	4,8	24	4,7	21	4,7	18	4,7	14	4,6	12	4,6
	4,0	51	82	981	58.860	58,86	3,92	72	6,4	48	6,2	36	6,2	29	6,1	24	6,0	21	6,0	18	6,0	14	5,9	12	5,9
	4,5	53	85	1.040	62.400	62,40	4,10	74	7,0	49	6,9	37	6,8	29	6,7	25	6,6	21	6,6	18	6,6	15	6,5	12	6,5
	5,0	56	90	1.096	65.760	65,76	4,35	73	7,7	49	7,5	37	7,5	29	7,4	24	7,3	21	7,3	18	7,3	15	7,2	12	7,2
	5,5	58	93	1.149	68.940	68,94	4,53	74	8,3	50	8,2	37	8,1	30	8,0	25	7,9	21	7,9	19	7,9	15	7,8	12	7,8
	6,0	60	96	1.202	72.120	72,12	4,70	75	9,0	50	8,8	38	8,8	30	8,7	25	8,6	21	8,6	19	8,6	15	8,5	13	8,5
30	3,0	48	77	974	58.440	58,44	3,67	76	5,4	51	5,2	38	5,2	30	5,1	25	5,0	22	5,0	19	5,0	15	4,9	13	4,9
	4,0	52	83	1.127	67.620	67,62	4,01	81	6,8	54	6,6	41	6,6	33	6,5	27	6,4	23	6,4	20	6,4	16	6,3	14	6,3
	4,5	54	86	1.195	71.700	71,70	4,18	83	7,5	55	7,3	41	7,3	33	7,2	28	7,1	24	7,1	21	7,1	17	7,0	14	7,0
	5,0	56	90	1.260	75.600	75,60	4,35	84	8,1	56	8,0	42	7,9	34	7,8	28	7,7	24	7,7	21	7,7	17	7,6	14	7,6
	5,5	58	93	1.320	79.200	79,20	4,53	85	8,8	57	8,7	43	8,6	34	8,5	28	8,4	24	8,4	21	8,4	17	8,3	14	8,3
	6,0	60	96	1.381	82.860	82,86	4,70	86	9,5	58	9,4	43	9,3	35	9,2	29	9,1	25	9,1	22	9,1	17	9,0	14	9,0
32	4,0	54	86	1.282	76.920	76,92	4,18	89	7,2	59	7,1	45	7,0	36	6,9	30	6,8	25	6,8	22	6,8	18	6,7	15	6,7
	4,5	56	90	1.359	81.540	81,54	4,35	91	7,9	61	7,8	46	7,7	36	7,6	30	7,5	26	7,5	23	7,5	18	7,4	15	7,4
	5,0	58	93	1.433	85.980	85,98	4,53	93	8,7	62	8,5	46	8,5	37	8,4	31	8,3	26	8,3	23	8,3	19	8,2	15	8,2
	5,5	60	96	1.501	90.060	90,06	4,70	94	9,4	63	9,3	47	9,2	38	9,1	31	9,0	27	9,0	23	9,0	19	8,9	16	8,9
	6,0	62	99	1.570	94.200	94,20	4,88	95	10,2	63	10,0	47	10,0	38	9,9	32	9,8	27	9,8	24	9,8	19	9,7	16	9,7
34	4,5	58	93	1536	92.160	92,16	4,53	99	8,5	66	8,4	50	8,3	40	8,2	33	8,1	28	8,1	25	8,1	20	8,0	17	8,0
	5,0	59	94	1619	97.140	97,14	4,62	103	9,3	69	9,2	51	9,1	41	9,0	34	8,9	29	8,9	26	8,9	21	8,8	17	8,8
	5,5	62	99	1696	101.760	101,76	4,88	103	10,1	68	10,0	51	9,9	41	9,8	34	9,7	29	9,7	26	9,7	21	9,6	17	9,6
	6,0	64	102	1774	106.440	106,44	5,06	104	10,9	69	10,8	52	10,7	42	10,6	35	10,5	30	10,5	26	10,5	21	10,4	17	10,4
36	4,5	59	94	1721	103.260	103,26	4,62	109	9,2	73	9,1	55	9,0	44	8,9	36	8,8	31	8,8	27	8,8	22	8,7	18	8,7
	5,0	61	98	1814	108.840	108,84	4,79	112	10,1	74	9,9	56	9,9	45	9,8	37	9,7	32	9,7	28	9,7	22	9,6	19	9,6
	5,5	64	102	1901	114.060	114,06	5,06	111	10,9	74	10,8	56	10,7	45	10,6	37	10,5	32	10,5	28	10,5	22	10,4	19	10,4

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.

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.

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

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