



## 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
- 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

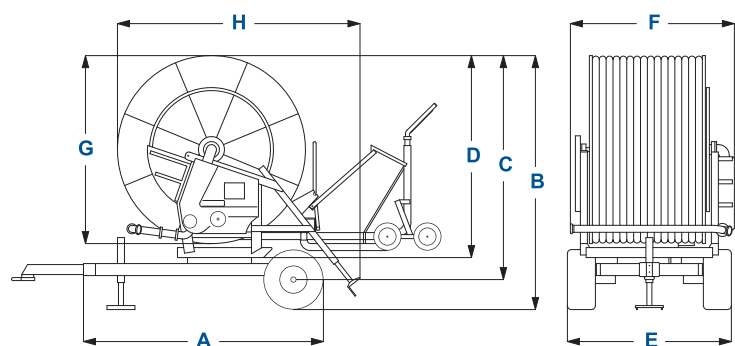
## SPECIFICATIONS

- 1246 feet, 4.1" i.d. hose (125 mm x 380 m)
- Sime-Explorer gun -- 32/34/36mm nozzle
- Dry Weight: 7,654 lbs | Wet Weight: 13,927 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             | 103                | 73                     | 275                        |
| 30 mm / 1.2 in | 333             | 108                | 73                     | 275                        |
| 32 mm / 1.3 in | 378             | 115                | 73                     | 285                        |
| 34 mm / 1.3 in | 427             | 122                | 73                     | 290                        |
| 36 mm / 1.4 in | 479             | 131                | 73                     | 300                        |

## DIMENSIONS



| A inch | B inch | C inch | D inch | E inch | F inch | G inch | H inch |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 141.3  | 142.9  | 126.8  | 119.3  | 90.6   | 97.7   | 110.3  | 133.9  |

Performance Chart 

## VR5 - 125 x 380 PERFORMANCE CHART

| SPRINKLER              |     | SPRINKLER<br>THROW | RECOMENDED | WATER DELIVERY |        | IRRIGATED<br>AREA | inch OF RAIN ON IRRIGATED STRIP AND RECOMENDED PRESSURE AT THE MACHINE |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-----|--------------------|------------|----------------|--------|-------------------|------------------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| nozzle                 |     |                    | STRIP 80%  | gallon         | gallon |                   | 0,4                                                                    | inch | 0,6  | inch | 0,8  | inch | 1    | inch | 1,2  | inch | 1,4  | inch | 1,6  | inch | 2    | inch | 2,4  | inch |
|                        | psi | ft/h               | ft/h       | MIN.           | HOOR   | ACRES             | ft/h                                                                   | psi  | ft/h | psi  | ft/h | psi  | ft/h | psi  | ft/h | psi  | ft/h | psi  | ft/h | psi  | ft/h | psi  | ft/h | psi  |
| mm                     | 44  | 144                | 231        | 224            | 13.432 | 7,55              | 237                                                                    | 56   | 158  | 68   | 119  | 68   | 95   | 66   | 79   | 66   | 68   | 65   | 59   | 65   | 47   | 64   | 40   | 64   |
| 28,0                   | 58  | 167                | 268        | 259            | 15.539 | 8,89              | 237                                                                    | 75   | 158  | 86   | 118  | 86   | 95   | 85   | 79   | 85   | 68   | 83   | 59   | 83   | 47   | 82   | 39   | 82   |
| inch                   | 65  | 174                | 278        | 275            | 16.474 | 9,28              | 241                                                                    | 84   | 161  | 95   | 121  | 95   | 97   | 94   | 80   | 94   | 69   | 92   | 60   | 92   | 48   | 91   | 40   | 91   |
| 1,1                    | 73  | 184                | 294        | 289            | 17.361 | 9,87              | 241                                                                    | 93   | 161  | 104  | 120  | 104  | 96   | 103  | 80   | 103  | 69   | 101  | 60   | 101  | 48   | 100  | 40   | 100  |
|                        | 80  | 190                | 304        | 303            | 18.200 | 10,27             | 244                                                                    | 102  | 162  | 113  | 122  | 113  | 97   | 112  | 81   | 112  | 70   | 110  | 61   | 110  | 49   | 109  | 41   | 109  |
|                        | 87  | 197                | 315        | 317            | 19.040 | 10,68             | 246                                                                    | 111  | 164  | 122  | 123  | 122  | 99   | 121  | 82   | 121  | 70   | 119  | 62   | 119  | 49   | 118  | 41   | 118  |
| recommended gear speed |     |                    |            |                |        |                   | 4                                                                      |      | 3    |      | 3    |      | 2    |      | 2    |      | 2    |      | 2    |      | 1    |      | 1    |      |
| mm                     | 44  | 157                | 252        | 257            | 15.428 | 8,31              | 250                                                                    | 60   | 166  | 71   | 125  | 71   | 100  | 70   | 83   | 70   | 71   | 69   | 62   | 69   | 50   | 67   | 42   | 67   |
| 30,0                   | 58  | 171                | 273        | 298            | 17.852 | 9,09              | 267                                                                    | 79   | 178  | 91   | 133  | 91   | 107  | 89   | 89   | 89   | 76   | 88   | 67   | 88   | 53   | 86   | 44   | 86   |
| inch                   | 65  | 177                | 283        | 315            | 18.929 | 9,48              | 272                                                                    | 89   | 182  | 100  | 136  | 100  | 109  | 99   | 91   | 99   | 78   | 97   | 68   | 97   | 54   | 96   | 45   | 96   |
| 1,2                    | 73  | 184                | 294        | 333            | 19.958 | 9,87              | 277                                                                    | 98   | 185  | 110  | 138  | 110  | 111  | 108  | 92   | 108  | 79   | 107  | 69   | 107  | 55   | 105  | 46   | 105  |
|                        | 80  | 190                | 304        | 348            | 20.909 | 10,27             | 280                                                                    | 108  | 187  | 119  | 140  | 119  | 112  | 118  | 93   | 118  | 80   | 116  | 70   | 116  | 56   | 115  | 47   | 115  |
|                        | 87  | 197                | 315        | 365            | 21.875 | 10,68             | 283                                                                    | 117  | 189  | 129  | 142  | 129  | 113  | 127  | 94   | 127  | 81   | 126  | 71   | 126  | 57   | 124  | 47   | 124  |
| recommended gear speed |     |                    |            |                |        |                   | 4                                                                      |      | 3    |      | 3    |      | 2    |      | 2    |      | 2    |      | 2    |      | 2    |      | 1    |      |
| mm                     | 58  | 177                | 283        | 338            | 20.307 | 9,48              | 292                                                                    | 84   | 195  | 96   | 146  | 96   | 117  | 95   | 97   | 95   | 83   | 93   | 73   | 93   | 58   | 92   | 49   | 92   |
| 32,0                   | 65  | 184                | 294        | 359            | 21.527 | 9,87              | 299                                                                    | 95   | 199  | 106  | 149  | 106  | 119  | 105  | 100  | 105  | 85   | 103  | 75   | 103  | 60   | 102  | 50   | 102  |
| inch                   | 73  | 190                | 304        | 378            | 22.699 | 10,27             | 304                                                                    | 105  | 203  | 116  | 152  | 116  | 122  | 115  | 101  | 115  | 87   | 113  | 76   | 113  | 61   | 112  | 51   | 112  |
| 1,3                    | 80  | 197                | 315        | 396            | 23.776 | 10,68             | 308                                                                    | 115  | 205  | 126  | 154  | 126  | 123  | 125  | 103  | 125  | 88   | 123  | 77   | 123  | 62   | 122  | 51   | 122  |
|                        | 87  | 203                | 325        | 414            | 24.869 | 11,08             | 312                                                                    | 125  | 208  | 136  | 156  | 136  | 125  | 135  | 104  | 135  | 89   | 133  | 78   | 133  | 62   | 132  | 52   | 132  |
| recommended gear speed |     |                    |            |                |        |                   | 4                                                                      |      | 3    |      | 3    |      | 3    |      | 2    |      | 2    |      | 2    |      | 2    |      | 1    |      |
| mm                     | 65  | 190                | 304        | 406            | 24.330 | 10,27             | 326                                                                    | 101  | 217  | 113  | 163  | 113  | 130  | 112  | 109  | 112  | 93   | 110  | 81   | 110  | 65   | 109  | 54   | 109  |
| 34,0                   | 73  | 194                | 310        | 427            | 25.645 | 10,47             | 338                                                                    | 112  | 225  | 124  | 169  | 124  | 135  | 122  | 113  | 122  | 96   | 121  | 84   | 121  | 68   | 119  | 56   | 119  |
| inch                   | 80  | 203                | 325        | 448            | 26.865 | 11,08             | 337                                                                    | 123  | 224  | 134  | 168  | 134  | 135  | 133  | 112  | 133  | 96   | 132  | 84   | 132  | 67   | 130  | 56   | 130  |
| 1,3                    | 87  | 210                | 336        | 468            | 28.100 | 11,49             | 341                                                                    | 134  | 227  | 145  | 171  | 145  | 136  | 144  | 114  | 144  | 97   | 142  | 85   | 142  | 68   | 141  | 57   | 141  |
| recommended gear speed |     |                    |            |                |        |                   | 4                                                                      |      | 4    |      | 3    |      | 3    |      | 2    |      | 2    |      | 2    |      | 2    |      | 2    |      |
| mm                     | 65  | 194                | 310        | 454            | 27.261 | 10,47             | 359                                                                    | 109  | 239  | 121  | 179  | 121  | 144  | 120  | 120  | 120  | 103  | 118  | 90   | 118  | 72   | 117  | 60   | 117  |
| 36,0                   | 73  | 200                | 320        | 479            | 28.734 | 10,88             | 366                                                                    | 121  | 244  | 133  | 183  | 133  | 146  | 131  | 122  | 131  | 105  | 130  | 91   | 130  | 73   | 128  | 61   | 128  |
| inch                   | 80  | 210                | 336        | 502            | 30.112 | 11,49             | 365                                                                    | 132  | 244  | 144  | 183  | 144  | 146  | 143  | 122  | 143  | 104  | 141  | 91   | 141  | 73   | 140  | 61   | 140  |
| 1,4                    | 87  | 217                | 346        | 525            | 31.490 | 11,90             | 371                                                                    | 144  | 247  | 156  | 185  | 156  | 148  | 154  | 124  | 154  | 106  | 153  | 93   | 153  | 74   | 151  | 62   | 151  |
| recommended gear speed |     |                    |            |                |        |                   | 4                                                                      |      | 4    |      | 3    |      | 3    |      | 2    |      | 2    |      | 2    |      | 2    |      | 2    |      |

These tables are merely indicative because they have been worked out through mathematical formula and according to average working conditions .  
Consequently Ocmis declines any responsibilities 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 ade 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