



## HR-T2.0/492 Features and Specs



### Standard features:

- ◆ Fully hot dipped galvanized drum and frame.
- ◆ Trailer style frame with turn table, front jack, and two rear stabilizers.
- ◆ Pintle hitch with adapter pin for tractor draw bars.
- ◆ Driven by high efficiency partial flow turbine and oil filled gear box with pinion gear that drives the hot dipped galvanized crown gear.
- ◆ Easy to set controller with battery and solar panel included. Computer controls retraction speed with electric ball valve on turbine bypass.
- ◆ Automatic brake on the gear box during pull out.
- ◆ Hose guide system with steel level wind bar.
- ◆ PTO shaft on gear box and hand wheel included.
- ◆ Galvanized sprinkler cart with adjustable width and draw bar hook.
- ◆ Sprinkler cart automatically loads at end of run and is ready for transport.
- ◆ Tuf-Skin stainless steel liquid filled pressure gauge included.

### Specifications:

- ◆ 2.0" I.D. x 492' long HDPE hose (63mm x 150m).
- ◆ 1.5" MBSP on sprinkler cart for Sime Hidra sprinkler, or equal.
- ◆ 19' rubber supply hose with 2" B type fittings (male B type for connection to the traveler, female B type for connection to water supply).
- ◆ 2" B type male x 2" MPT included for connection to water supply.

### Optional accessories:

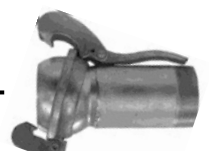
- ◆ Booster pump with mounting kit.
- ◆ Hook adapters for valve opening elbow hydrants:



Standard pintle hitch with adapter pin for tractor draw bars:



2" B type Male x 2" MPT:



2" B type female inlet on hose reel:



19' Supply Line



## HR-T2.0/492

## Comfort 11 Series



### Dimensions and Performance

**Dimensions:**

- ◆ 72" wide, 117" long, 71" tall.

**Weights:**

- ◆ 1,300 lbs dry.
- ◆ 2,000 lbs full of water.



Comfort series inlet pressure = 170 PSI max

version: 5-1-2016

| I.D. PE HOSE INCHES          |            |                    |       | FIELD - PE PIPE LENGTH FEET             |           |                      | SPEED FT/HR   |                | SPEED FT/HR   |                | SPEED FT/HR   |                | SPEED FT/HR   |                | SPEED FT/HR   |                |
|------------------------------|------------|--------------------|-------|---|-----------|----------------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|
| 2.0                          |            |                    |       | 492                                     |           |                      | 20            |                | 40            |                | 60            |                | 80            |                | 100           |                |
| nozzle diam mm               | nozzle psi | theoric throw feet | gpm   | Irrigated Area with 80% wetted diameter |           | Irrigated area acres | Pr. rate inch | inlet pres psi | Pr. rate inch | inlet pres psi | Pr. rate inch | inlet pres psi | Pr. rate inch | inlet pres psi | Pr. rate inch | inlet pres psi |
|                              |            |                    |       | Width ft                                | Length ft |                      |               |                |               |                |               |                |               |                |               |                |
| 12mm                         | 30         | 70.5               | 34.7  | 113                                     | 548       | 1.39                 | 1.48          | 37             | 0.74          | 38             | 0.49          | 40             | 0.37          | 41             | 0.30          | 43             |
| 12mm                         | 45         | 86.3               | 42.4  | 138                                     | 561       | 1.73                 | 1.48          | 54             | 0.74          | 56             | 0.49          | 57             | 0.37          | 59             | 0.30          | 60             |
| 12mm                         | 60         | 99.7               | 49.0  | 159                                     | 572       | 2.03                 | 1.48          | 72             | 0.74          | 73             | 0.49          | 75             | 0.37          | 76             | 0.30          | 78             |
| 12mm                         | 75         | 111.4              | 54.8  | 178                                     | 581       | 2.30                 | 1.48          | 89             | 0.74          | 91             | 0.49          | 92             | 0.37          | 94             | 0.30          | 95             |
| 14mm                         | 30         | 76.1               | 47.2  | 122                                     | 553       | 1.51                 | 1.86          | 41             | 0.93          | 43             | 0.62          | 44             | 0.47          | 46             | 0.37          | 47             |
| 14mm                         | 45         | 93.2               | 57.8  | 149                                     | 567       | 1.89                 | 1.86          | 61             | 0.93          | 62             | 0.62          | 64             | 0.47          | 65             | 0.37          | 66             |
| 14mm                         | 60         | 107.6              | 66.7  | 172                                     | 578       | 2.21                 | 1.86          | 80             | 0.93          | 81             | 0.62          | 83             | 0.47          | 84             | 0.37          | 86             |
| 14mm                         | 75         | 120.3              | 74.6  | 193                                     | 588       | 2.51                 | 1.86          | 99             | 0.93          | 101            | 0.62          | 102            | 0.47          | 104            | 0.37          | 105            |
| 16mm                         | 30         | 81.4               | 61.6  | 130                                     | 557       | 1.62                 | 2.27          | 47             | 1.14          | 49             | 0.76          | 50             | 0.57          | 52             | 0.45          | 53             |
| 16mm                         | 45         | 99.7               | 75.4  | 159                                     | 572       | 2.03                 | 2.27          | 70             | 1.14          | 71             | 0.76          | 73             | 0.57          | 74             | 0.45          | 76             |
| 16mm                         | 60         | 115.1              | 87.1  | 184                                     | 584       | 2.39                 | 2.27          | 92             | 1.14          | 93             | 0.76          | 95             | 0.57          | 96             | 0.45          | 98             |
| 16mm                         | 75         | 128.6              | 97.4  | 206                                     | 595       | 2.71                 | 2.27          | 114            | 1.14          | 115            | 0.76          | 117            | 0.57          | 118            | 0.45          | 120            |
| 18mm                         | 30         | 86.3               | 78.0  | 138                                     | 561       | 1.73                 | 2.71          | 56             | 1.36          | 58             | 0.90          | 59             | 0.68          | 61             | 0.54          | 62             |
| 18mm                         | 45         | 105.7              | 95.5  | 169                                     | 577       | 2.17                 | 2.71          | 82             | 1.36          | 84             | 0.90          | 85             | 0.68          | 87             | 0.54          | 88             |
| 18mm                         | 60         | 122.0              | 110.3 | 195                                     | 590       | 2.55                 | 2.71          | 108            | 1.36          | 110            | 0.90          | 111            | 0.68          | 113            | 0.54          | 114            |
| 18mm                         | 75         | 136.5              | 123.3 | 218                                     | 601       | 2.90                 | 2.71          | 134            | 1.36          | 136            | 0.90          | 137            | 0.68          | 139            | 0.54          | 140            |
| Actual performance may vary. |            |                    |       | Hours for full run:                     |           |                      | 24.6          | 12.3           | 8.2           | 6.2            | 4.9           |                |               |                |               |                |

Sprinkler performance chart information is based on theoretic formulas for estimates only. Actual field conditions may vary depending on the water supply, type of sprinkler, wind conditions, terrain elevations, and other factors. Universal Sales nor Irriland shall be held responsible for any inaccuracies in this information. Specs subject to change without notice. Pictures are representative only, actual product may vary.