



HR-S1.3/360 Features and Specs

New Solar Drive E-Sport Series!

version: 3-1-2018

Standard features:

- ◆ Driven by electric motor with pinion gear that drives the hot dipped galvanized crown gear.
- ◆ Solar panels keep batteries charged for continuous operation.
- ◆ Easy electric speed adjustment switch with 4 selectable speeds.
- ◆ Optional 15 tooth pinion gear for faster speeds (standard has 8 teeth).
- ◆ Adjustable automatic brake during pull out.
- ◆ Hose guide system with steel level wind bar.
- ◆ Electric ball valve for automatic water shut down at end of run.
- ◆ Fully hot dipped galvanized drum and frame.
- ◆ Hot dipped galvanized sprinkler cart.
- ◆ Sprinkler cart is ready for transport at end of run, no loading needed.
- ◆ Draw bar with wheel and handle included. Remove the wheel to use tow loop for tractor draw bar, riding mower, ATV, UTV, or other vehicle.
- ◆ Tuf-Skin stainless steel liquid filled pressure gauge included.

Specifications:

- ◆ 1.3" I.D. x 360' long HDPE hose (40mm x 110m).
- ◆ 1" MBSP on sprinkler cart for Sime Funny sprinkler. 3/4" and 1.25" BSP adapters available for Sime Silver or Sime K1 sprinklers.
- ◆ 13' rubber supply hose with 1.5" camlock fittings (female for connection to the traveler, male for connection to water supply).
- ◆ 1.5" female camlock x 1.5" FPT included for connection to water supply.

Optional accessories:

- ◆ Gas booster pump carts.
- ◆ PTO pump carts.
- ◆ Camlock fittings.
- ◆ Hook adapters for valve opening elbow hydrants:



- ◆ 1.5" brass quick coupler valves, keys, and swivels:



1.5" Female Camlock x 1.5" FPT:

1.5" Male Camlock inlet on hose reel:





HR-S1.3/360

E-Sport 7 Series



Dimensions and Performance

Dimensions:

- ◆ 54" wide.
- ◆ 106" long with draw bar in transport position.
- ◆ 40" to top of frame in irrigating position.

Weights:

- ◆ 600 lbs dry.
- ◆ 810 lbs full of water.

E-Sport series inlet pressure = 90 PSI max

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I.D. PE HOSE INCHES				PE HOSE LENGTH FEET			inlet psi	Standard Pinion gear: 8 teeth				OPTIONAL Pinion gear: 15 teeth			
1.3				360				Speed in feet per hour				Speed in feet per hour			
nozzle diam mm	nozzle psi	theoric throw feet	GPM	Irrigated Area with 80% wetted diameter		Irrigated area acres		20	39	59	79	36	72	108	144
				Width ft	Length ft		Precipitation rate in inches				Precipitation rate in inches				
5	20	37.1	4.9	59	390	0.53	0.40	0.20	0.13	0.10	0.22	0.11	0.07	0.06	
	30	45.4	6.0	73	397	0.66									
	45	55.6	7.4	89	405	0.83									
	60	64.2	8.5	103	412	0.97									
6	20	40.6	7.1	65	393	0.59	0.52	0.27	0.18	0.13	0.29	0.15	0.10	0.07	
	30	49.7	8.6	80	400	0.73									
	45	60.9	10.6	97	409	0.91									
	60	70.3	12.2	112	416	1.07									
7	20	43.8	9.6	70	395	0.63	0.66	0.34	0.22	0.17	0.37	0.18	0.12	0.09	
	30	53.7	11.8	86	403	0.80									
	45	65.8	14.4	105	413	0.99									
	60	75.9	16.6	122	421	1.18									
8	20	46.9	12.5	75	398	0.68	0.80	0.41	0.27	0.20	0.45	0.22	0.15	0.11	
	30	57.4	15.4	92	406	0.86									
	45	70.3	18.8	112	416	1.07									
	60	81.2	21.7	130	425	1.27									
9	20	49.7	15.9	80	400	0.73	0.96	0.49	0.33	0.24	0.53	0.27	0.18	0.13	
	30	60.9	19.4	97	409	0.91									
	45	74.6	23.8	119	420	1.15									
	60	86.1	27.5	138	429	1.36									
10	20	52.4	19.6	84	402	0.78	1.12	0.58	0.38	0.28	0.62	0.31	0.21	0.16	
	30	64.2	24.0	103	412	0.97									
	45	78.6	29.4	126	423	1.22									
	60	90.8	34.0	145	433	1.44									
Actual performance may vary.							Hours for full run:	18.0	9.2	6.1	4.6	10.0	5.0	3.3	2.5

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.