UNIVERSAL SALES
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IRRILAND
Irrigation Hose Reels

HR-T2.0/656

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 656’ long HDPE hose (63mm x 200m).
- 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:

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Comfort 14 Series

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Dimensions and Performance

Dimensions:

- 72” wide, 121” long, 81” tall.

Weights:

- 1,700 lbs dry.
- 2,640 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				656			20		40		60		80		100	
nozzle diam mm	nozzle psi	theoric throw feet	gpm	Irrigated Area with 80% wetted diameter Width ft	Length ft	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
12mm	30	70.5	34.7	113	712	1.81	1.48	39	0.74	40	0.49	42	0.37	43	0.30	45
12mm	45	86.3	42.4	138	725	2.25	1.48	57	0.74	59	0.49	60	0.37	61	0.30	63
12mm	60	99.7	49.0	159	736	2.63	1.48	75	0.74	77	0.49	78	0.37	80	0.30	81
12mm	75	111.4	54.8	178	745	2.97	1.48	94	0.74	95	0.49	97	0.37	98	0.30	99
14mm	30	76.1	47.2	122	717	1.97	1.86	44	0.93	46	0.62	47	0.47	49	0.37	50
14mm	45	93.2	57.8	149	731	2.45	1.86	65	0.93	67	0.62	68	0.47	70	0.37	71
14mm	60	107.6	66.7	172	742	2.86	1.86	86	0.93	88	0.62	89	0.47	90	0.37	92
14mm	75	120.3	74.6	193	752	3.23	1.86	107	0.93	108	0.62	110	0.47	111	0.37	113
16mm	30	81.4	61.6	130	721	2.11	2.27	53	1.14	54	0.76	56	0.57	57	0.45	59
16mm	45	99.7	75.4	159	736	2.63	2.27	77	1.14	79	0.76	80	0.57	82	0.45	83
16mm	60	115.1	87.1	184	748	3.08	2.27	102	1.14	103	0.76	105	0.57	106	0.45	108
16mm	75	128.6	97.4	206	759	3.48	2.27	126	1.14	128	0.76	129	0.57	131	0.45	132
18mm	30	86.3	78.0	138	725	2.25	2.71	64	1.36	66	0.90	67	0.68	69	0.54	70
18mm	45	105.7	95.5	169	741	2.80	2.71	94	1.36	96	0.90	97	0.68	99	0.54	100
18mm	60	122.0	110.3	195	754	3.28	2.71	124	1.36	126	0.90	127	0.68	128	0.54	130
18mm	75	136.5	123.3	218	765	3.72	2.71	154	1.36	155	0.90	156	0.68	158	0.54	159
Actual performance may vary.					Hours for full run:		32.8		16.4		10.9		8.2		6.6	

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.