TECHNICAL DATASHEET TURBOCAR

SMART – G1

Illustrative purposes only; the model shown here could be different that one supplied

STANDARD EQUIPMENT

- High efficiency partial flow turbine drive directly coupled to the gearbox (minimum pressure losses in its category)
- 4 speed gearbox with oil lubrification
- Safety devices for PTO and rewinding out of the drum
- Moving transmission through toothed crown, which is placed close to the maximum stress point on the drum and not pushing against the hose reel borders
- Leadscrew driven hose layering guide
- By-pass “double action” for automatic speed control
- Glycerine filled pressure gauge
- Digital hour meters
- Huge diameter 360° turntable
- Rotation system for the upper turret
- Mechanical trolley lift and staker legs operations
- Additional stacker legs on the tow-bar
- Hot galvanised steel lower frame, upper frame, pipework with double water inlet and components
- 3 wheels hot galvanised sprinkler trolley with adjustable track
- Accident prevention protections according to CE standard
- Sprinkler with set of nozzles
- High resistant medium density PE hose with constant thickness
- Instructions and maintenance handbook
- CE Certificate
- Warranty certificate

Available Models

Structure	Model	Type	Hose Ending	P.E. Hose Ø (in)	Hose Length (feet)	Sprinkler
G1	63 G 200	A	5	2.48	656	SENIOR
	63 G 250	A	7	2.48	820	HIDRA

Technical Features

Model: 63 G 200

Nozzle size		PRESSURE								IRRIGATED STRIP				PRECIPATATION RATES IN METRIC IN MILLIMETERS (in BLUE) / IMPERIAL IN INCHES (in WHITE)													
		Inlet		Sprinkler		Flow		Radius		Diameter		Suggested @ 85%		33	10	49	15	66	20	82	25	98	30	131	40	164	50
IN	MM	PSI	BAR	PSI	BAR	GPM	MC/H	FT	MT	FT	MT	FT	MT	REWINDING TIME IN HOURS VELOCITY IMPERIAL FEET / HOUR (in WHITE) / METRIC METERS / HOUR (in BLUE)													
0.47	12	44	3.0	29	2	40	9.1	72	22	144	44	123	37	0.96	24.4	0.64	16.3	0.48	12.2	0.39	9.8	0.32	8.1	0.24	6.1	0.19	4.9
		62	4.2	44	3	48	10.9	79	24	157	48	134	41	1.06	26.8	0.70	17.8	0.53	13.4	0.42	10.7	0.35	8.9	0.26	6.7	0.21	5.4
		79	5.4	59	4	56	12.7	89	27	177	54	151	46	1.09	27.6	0.72	18.4	0.54	13.8	0.43	11.0	0.36	9.2	0.27	6.9	0.22	5.5
0.55	14	49	3.3	29	2	51	11.7	75	23	151	46	129	39	1.18	29.9	0.78	19.9	0.59	15.0	0.47	12.0	0.39	10.0	0.30	7.5	0.24	6.0
		68	4.6	44	3	63	14.3	92	28	184	56	156	48	1.19	30.1	0.79	20.1	0.59	15.1	0.48	12.1	0.39	10.0	0.30	7.5	0.24	6.0
		87	5.9	59	4	73	16.6	102	31	203	62	173	53	1.24	31.5	0.83	21.0	0.62	15.8	0.50	12.6	0.41	10.5	0.31	7.9	0.25	6.3
0.63	16	76	5.2	44	3	80	18.2	98	30	197	60	167	51	1.40	35.6	0.94	23.8	0.70	17.8	0.56	14.3	0.47	11.9	0.35	8.9	0.28	7.1
		98	6.7	59	4	93	21.1	112	34	223	68	190	58	1.43	36.4	0.96	24.3	0.72	18.2	0.57	14.6	0.48	12.1	0.36	9.1	0.29	7.3
		119	8.1	74	5	103	23.5	118	36	236	72	201	61	1.51	38.3	1.01	25.6	0.76	19.2	0.60	15.3	0.50	12.8	0.38	9.6	0.30	7.7
0.71	18	88	6.0	44	3	100	22.7	105	32	210	64	178	54	1.64	41.7	1.09	27.8	0.82	20.8	0.66	16.7	0.55	13.9	0.41	10.4	0.33	8.3
		110	7.5	59	4	111	25.1	115	35	230	70	195	60	1.67	42.3	1.11	28.2	0.83	21.1	0.67	16.9	0.56	14.1	0.42	10.6	0.33	8.5
		138	9.4	74	5	129	29.2	125	38	249	76	212	65	1.78	45.2	1.19	30.2	0.89	22.6	0.71	18.1	0.59	15.1	0.44	11.3	0.35	9.0

Model: 63 G 250

Nozzle size		PRESSURE								IRRIGATED STRIP				PRECIPATATION RATES IN METRIC IN MILLIMETERS (in BLUE) / IMPERIAL IN INCHES (in WHITE)													
		Inlet		Sprinkler		Flow		Radius		Diameter		Suggested @ 85%		33	10	49	15	66	20	82	25	98	30	131	40	164	50
IN	MM	PSI	BAR	PSI	BAR	GPM	MC/H	FT	MT	FT	MT	FT	MT	REWINDING TIME IN HOURS VELOCITY IMPERIAL FEET / HOUR (in WHITE) / METRIC METERS / HOUR (in BLUE)													
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		65	4.4	44	3	48	10.9	79	24	157	48	134	41	1.06	26.8	0.70	17.8	0.53	13.4	0.42	10.7	0.35	8.9	0.26	6.7	0.21	5.4
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0.55	14	53	3.6	29	2	51	11.7	75	23	151	46	129	39	1.18	29.9	0.78	19.9	0.59	15.0	0.47	12.0	0.39	10.0	0.30	7.5	0.24	6.0
		74	5.0	44	3	63	14.3	92	28	184	56	156	48	1.19	30.1	0.79	20.1	0.59	15.1	0.48	12.1	0.39	10.0	0.30	7.5	0.24	6.0
		96	6.5	59	4	73	16.6	102	31	203	62	173	53	1.24	31.5	0.83	21.0	0.62	15.8	0.50	12.6	0.41	10.5	0.31	7.9	0.25	6.3
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		85	5.8	44	3	80	18.2	98	30	197	60	167	51	1.40	35.6	0.94	23.8	0.70	17.8	0.56	14.3	0.47	11.9	0.35	8.9	0.28	7.1
		110	7.5	59	4	93	21.1	112	34	223	68	190	58	1.43	36.4	0.96	24.3	0.72	18.2	0.57	14.6	0.48	12.1	0.36	9.1	0.29	7.3
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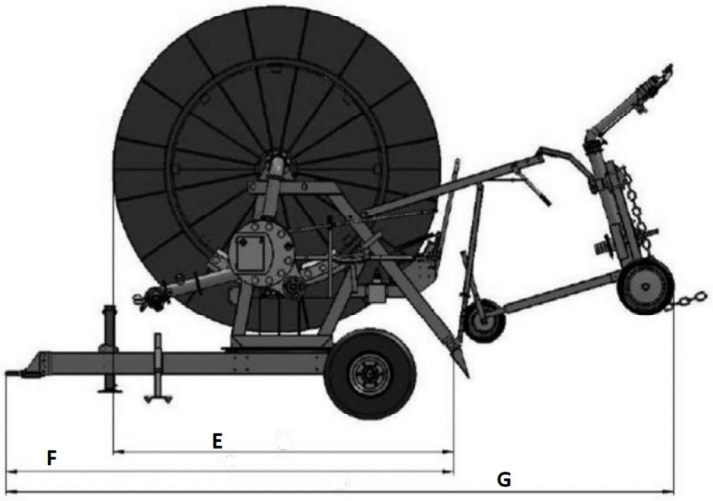
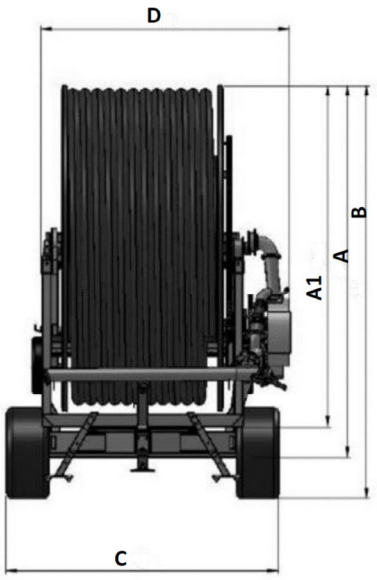
		126	8.6	59	4	111	25.1	115	35	230	70	195	60	1.67	42.3	1.11	28.2	0.83	21.1	0.67	16.9	0.56	14.1	0.42	10.6	0.33	8.5
		160	10.9	74	5	129	29.2	125	38	249	76	212	65	1.78	45.2	1.19	30.2	0.89	22.6	0.71	18.1	0.59	15.1	0.44	11.3	0.35	9.0

Specifications subject to change without prior notice

Weight and Overall Dimensions





Structure	Type	Wheels	A1	A	B	C	D	E	F	G	LB
G1	A	165/70.13-4F	72	78	87	65	59	72	110	165	2205
		205/60.15-5F	72	78	89	67	59	72	110	165	