TECHNICAL DATASHEET TURBOCAR

ACTIVE – G3

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
- Exclusive “safety lock” rotation system from trolley lift which blocks the automatic rotation in case of emergency and allows a single operator to turn the machine safely and with minimum effort
- Trolley lift and stacker legs driven by hydraulic pistons incorporated inside the structure
- 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, height and legs
- Accident prevention protections according to CE standard
- Sprinkler with set of nozzles
- High resistant medium density PE hose with differentiated thickness from Ø90 mm
- Instructions and maintenance handbook
- CE Certificate
- Warranty certificate

Specifications subject to change without prior notice

Technical Features

Model: 90 G 300

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%		49	15	66	20	82	25	98	30	131	40	164	50	197	60
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)													
0.87	22	72	4.9	44	3	138	31.3	121	37	243	74	206	62.9	1.31	33.2	0.98	24.9	0.78	19.9	0.65	16.6	0.49	12.4	0.39	10.0	0.33	8.3
		93	6.3	59	4	159	36.2	135	41	269	82	229	69.7	1.37	34.7	1.02	26.0	0.82	20.8	0.68	17.3	0.51	13.0	0.41	10.4	0.34	8.7
		113	7.7	74	5	178	40.6	148	45	295	90	251	76.5	1.39	35.3	1.04	26.5	0.83	21.2	0.70	17.7	0.52	13.3	0.42	10.6	0.35	8.8
0.94	24	79	5.4	44	3	164	37.4	128	39	256	78	218	66.3	1.48	37.6	1.11	28.2	0.89	22.6	0.74	18.8	0.56	14.1	0.44	11.3	0.37	9.4
		103	7.0	59	4	190	43.2	144	44	289	88	245	74.8	1.52	38.5	1.14	28.9	0.91	23.1	0.76	19.3	0.57	14.4	0.46	11.6	0.38	9.6
		125	8.5	74	5	213	48.4	157	48	315	96	268	81.6	1.56	39.5	1.17	29.6	0.93	23.7	0.78	19.8	0.58	14.8	0.47	11.9	0.39	9.9
1.02	26	88	6.0	44	3	193	43.9	135	41	269	82	229	69.7	1.65	42.0	1.24	31.5	0.99	25.2	0.83	21.0	0.62	15.8	0.50	12.6	0.41	10.5
		115	7.8	59	4	223	50.8	151	46	302	92	257	78.2	1.70	43.3	1.28	32.5	1.02	26.0	0.85	21.6	0.64	16.2	0.51	13.0	0.43	10.8
		140	9.5	74	5	250	56.8	167	51	335	102	284	86.7	1.72	43.6	1.29	32.7	1.03	26.2	0.86	21.8	0.65	16.4	0.52	13.1	0.43	10.9
1.10	28	100	6.8	44	3	224	50.9	144	44	289	88	245	74.8	1.78	45.3	1.34	34.0	1.07	27.2	0.89	22.7	0.67	17.0	0.54	13.6	0.44	11.3
		129	8.8	59	4	259	58.9	157	48	315	96	268	81.6	1.89	48.1	1.42	36.1	1.14	28.9	0.94	24.0	0.71	18.0	0.57	14.4	0.47	12.0
		157	10.7	74	5	289	65.8	171	52	341	104	290	88.4	1.95	49.6	1.46	37.2	1.17	29.8	0.98	24.85	0.73	18.6	0.59	14.9	0.49	12.4

Model: 90 G 350

Nozzle size		PRESSURE								IRRIGATED STRIP				PRECIPATATION RATES IN METRIC IN MILLIMETERS (in BLUE) / IMPERIAL IN INCHES (in WHITE)													
		Inlet		Sprinkler		Flow		Sprinkler Jet		Calm Air		Suggested @ 85%		49	15	66	20	82	25	98	30	131	40	164	50	197	60
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)													
0.79	20	71	4.8	44	3	121	27.6	108	33	217	66	184	56.1	1.29	32.8	0.97	24.6	0.78	19.7	0.65	16.4	0.48	12.3	0.39	9.8	0.32	8.2
		91	6.2	59	4	140	31.9	121	37	243	74	206	62.9	1.33	33.8	1.00	25.4	0.80	20.3	0.67	16.9	0.50	12.7	0.40	10.1	0.33	8.5
		112	7.6	74	5	157	35.6	135	41	269	82	229	69.7	1.34	34.1	1.01	25.6	0.81	20.5	0.67	17.0	0.50	12.8	0.40	10.2	0.33	8.5
0.87	22	76	5.2	44	3	138	31.3	121	37	243	74	206	62.9	1.31	33.2	0.98	24.9	0.78	19.9	0.65	16.6	0.49	12.4	0.39	10.0	0.33	8.3
		98	6.7	59	4	159	36.2	135	41	269	82	229	69.7	1.37	34.7	1.02	26.0	0.82	20.8	0.68	17.3	0.51	13.0	0.41	10.4	0.34	8.7
		121	8.2	74	5	178	40.6	148	45	295	90	251	76.5	1.39	35.3	1.04	26.5	0.83	21.2	0.70	17.7	0.52	13.3	0.42	10.6	0.35	8.8
0.94	24	85	5.8	44	3	164	37.4	128	39	256	78	218	66.3	1.48	37.6	1.11	28.2	0.89	22.6	0.74	18.8	0.56	14.1	0.44	11.3	0.37	9.4
		110	7.5	59	4	190	43.2	144	44	289	88	245	74.8	1.52	38.5	1.14	28.9	0.91	23.1	0.76	19.3	0.57	14.4	0.46	11.6	0.38	9.6
		135	9.2	74	5	213	48.4	157	48	315	96	268	81.6	1.56	39.5	1.17	29.6	0.93	23.7	0.78	19.8	0.58	14.8	0.47	11.9	0.39	9.9
1.02	26	97	6.6	44	3	193	43.9	135	41	269	82	229	69.7	1.65	42.0	1.24	31.5	0.99	25.2	0.83	21.0	0.62	15.8	0.50	12.6	0.41	10.5
		125	8.5	59	4	223	50.8	151	46	302	92	257	78.2	1.70	43.3	1.28	32.5	1.02	26.0	0.85	21.6	0.64	16.2	0.51	13.0	0.43	10.8
		153	10.4	74	5	250	56.8	167	51	335	102	284	86.7	1.72	43.6	1.29	32.7	1.03	26.2	0.86	21.8	0.65	16.4	0.52	13.1	0.43	10.9

Model: 90 G 380

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%		49	15	66	20	82	25	98	30	131	40	164	50	197	60
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)													
0.79	20	74	5.0	44	3	121	27.6	108	33	217	66	184	56.1	1.29	32.8	0.97	24.6	0.78	19.7	0.65	16.4	0.48	12.3	0.39	9.8	0.32	8.2
		94	6.4	59	4	140	31.9	121	37	243	74	206	62.9	1.33	33.8	1.00	25.4	0.80	20.3	0.67	16.9	0.50	12.7	0.40	10.1	0.33	8.5
		115	7.8	74	5	157	35.6	135	41	269	82	229	69.7	1.34	34.1	1.01	25.6	0.81	20.5	0.67	17.0	0.50	12.8	0.40	10.2	0.33	8.5
0.87	22	78	5.3	44	3	138	31.3	121	37	243	74	206	62.9	1.31	33.2	0.98	24.9	0.78	19.9	0.65	16.6	0.49	12.4	0.39	10.0	0.33	8.3
		101	6.9	59	4	159	36.2	135	41	269	82	229	69.7	1.37	34.7	1.02	26.0	0.82	20.8	0.68	17.3	0.51	13.0	0.41	10.4	0.34	8.7
		123	8.4	74	5	178	40.6	148	45	295	90	251	76.5	1.39	35.3	1.04	26.5	0.83	21.2	0.70	17.7	0.52	13.3	0.42	10.6	0.35	8.8
0.94	24	88	6.0	44	3	164	37.4	128	39	256	78	218	66.3	1.48	37.6	1.11	28.2	0.89	22.6	0.74	18.8	0.56	14.1	0.44	11.3	0.37	9.4
		115	7.8	59	4	190	43.2	144	44	289	88	245	74.8	1.52	38.5	1.14	28.9	0.91	23.1	0.76	19.3	0.57	14.4	0.46	11.6	0.38	9.6
		140	9.5	74	5	213	48.4	157	48	315	96	268	81.6	1.56	39.5	1.17	29.6	0.93	23.7	0.78	19.8	0.58	14.8	0.47	11.9	0.39	9.9
1.02	26	101	6.9	44	3	193	43.9	135	41	269	82	229	69.7	1.65	42.0	1.24	31.5	0.99	25.2	0.83	21.0	0.62	15.8	0.50	12.6	0.41	10.5
		131	8.9	59	4	223	50.8	151	46	302	92	257	78.2	1.70	43.3	1.28	32.5	1.02	26.0	0.85	21.6	0.64	16.2	0.51	13.0	0.43	10.8
		160	10.9	74	5	206	46.8	167	51	335	102	284	86.7	1.72	43.6	1.29	32.7	1.03	26.2	0.86	21.8	0.65	16.4	0.52	13.1	0.43	10.9

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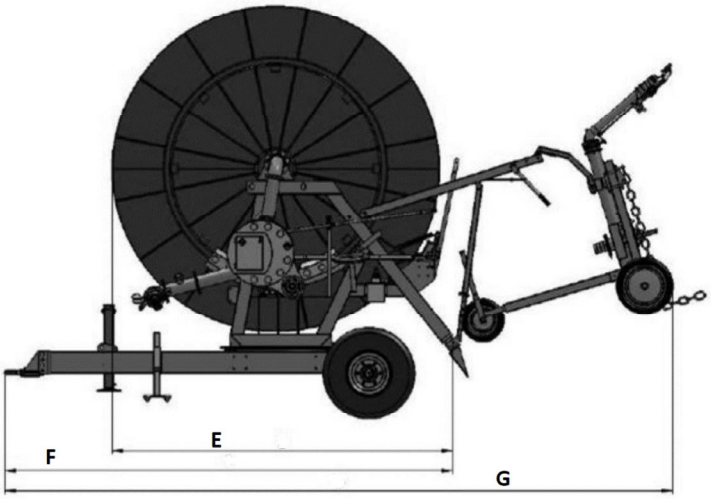
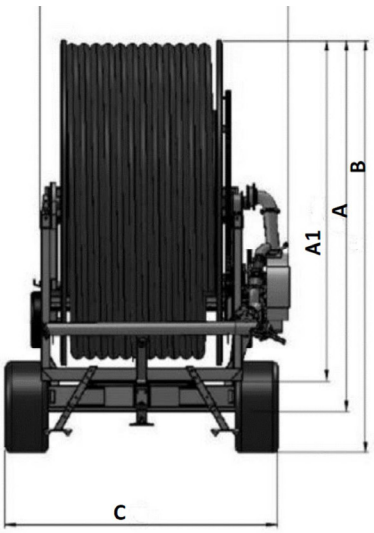
Available Models

Structure	Model	Type	Hose Ending	P.E. Hose Ø (in)	Hose Length (feet)	Sprinkler
G3	90 G 300	C	5	3.50	985	TWIN 140
	90 G 350	B	9		1150	
	90 G 380	F	10		1250	

Weight and Overall Dimensions

Structure	Type	Wheels	A1	A	B	C	D	E	F	G	LB
G3	B	10.0/80.12-5F	86.6	96.4	109.0	80.7	76.3	93.3	137.7	200.7	4409 to 4629
		10.0/75.15.3-5F	86.6	96.4	118.1	81.8	76.3	93.3	137.7	200.7	
	C	10.0/80.12-5F	85.4	95.2	107.8	80.7	76.3	92.1	137.7	200.7	
		10.0/75.15.3-5F	85.4	95.2	109.0	81.8	76.3	92.1	137.7	200.7	
	F	10.0/80.12-5F	88.9	98.8	111.4	80.7	76.3	95.6	137.7	200.7	
		10.0/75.15.3-5F	88.9	98.8	112.5	81.8	76.3	95.6	137.7	200.7	





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