

TECHNICAL DATASHEET TURBOCAR

SMART – G1



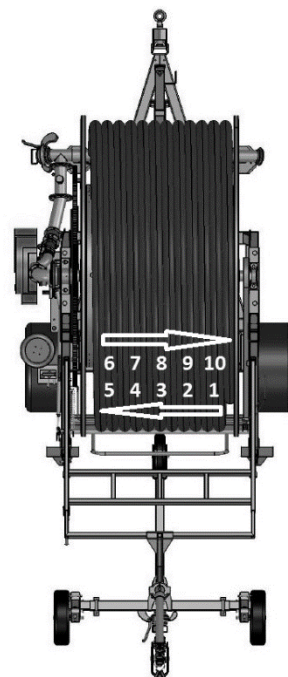
Illustrative purposes only; the model shown here could be different that one supplied

STANDARD EQUIPMENT

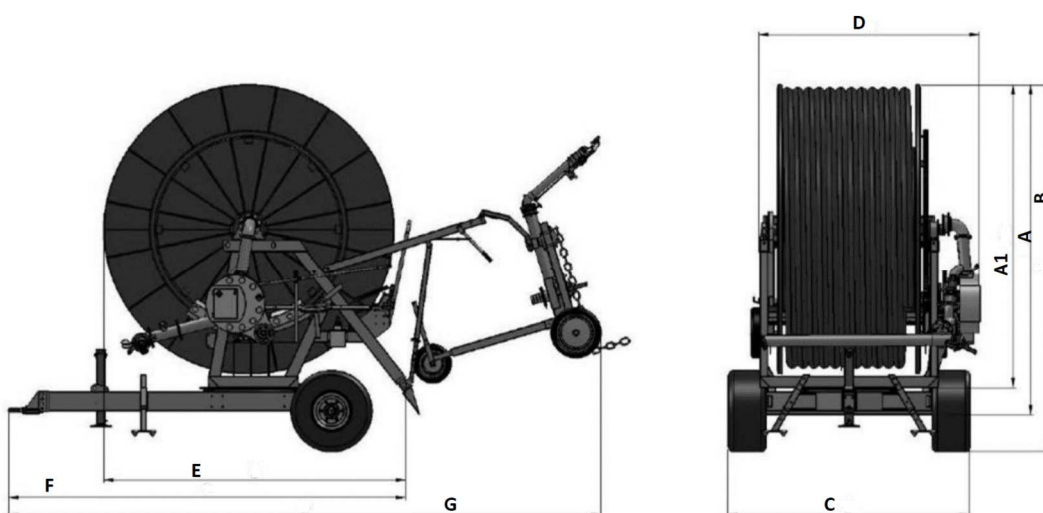
- High efficiency partial flow turbine drive directly coupled to the gearbox (minimum pressure losses in its category)
- 4 speed gearbox with oil lubrication
- Safety devices for PTO and rewinding out of the drum
- Moving transmission through toothed crown, which is placed close to the maximum stress 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 staker 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 (mm)	Hose length L (m)	Sprinkler
G1D	63 G 250	A	7	63	250	HIDRA
	63 G 280	A	9	63	280	HIDRA
	63 G 300	B	10	63	300	HIDRA
	63 G 320	C	3	63	320	HIDRA
	70 G 210	A	5	70	210	ROYAL / TWIN 101
	75 G 200	A	5	75	200	ROYAL / TWIN 101
	75 G 250	D	10	75	250	ROYAL / TWIN 101



Weight and overall dimensions



STR.	TYPE	WHEELS	A1	A	B	C	D	E	F	G	KG
G1	A	165/70.13-4F	1820	1970	2220	1640	1510	1840	2800	4200	1000
		205/60.15-5F	1820	1970	2270	1700	1510	1840	2800	4200	
	B	165/70.13-4F	1850	2000	2250	1640	1510	1870	2800	4200	
		205/60.15-5F	1850	2000	2300	1700	1510	1870	2800	4200	
	C	165/70.13-4F	1820	1970	2220	1640	1510	1840	2800	4200	
		205/60.15-5F	1820	1970	2270	1700	1510	1840	2800	4200	
	D	165/70.13-4F	1850	2000	2250	1640	1510	1870	2800	4200	
		205/60.15-5F	1850	2000	2300	1700	1510	1870	2800	4200	

Technical Features

Ø hose (mm)	Ø nozzle (mm)	Machine pressure (atm)				Sprinkler press. (atm)	Throw (mt)	Irrigated width (mt)	Flow (l/min)	Irrigated area (ha)				Rainfall (mm)		
63		250	280	300	320					250	280	300	320			
	14	3,5	3,7	3,8	3,9	2,0	23,0	39,1	195	0,99	1,10	1,17	1,25	28,1	9,4	5,6
		5,0	5,2	5,3	5,5	3,0	28,0	47,6	238	1,22	1,36	1,45	1,54	27,9	9,3	5,6
	16	5,8	6,2	6,4	6,5	3,0	30,0	51,0	303	1,31	1,46	1,56	1,65	32,9	11,0	6,6
		7,5	8,0	8,2	8,4	4,0	34,0	57,8	350	1,50	1,67	1,78	1,89	33,2	11,1	6,6
	18	8,9	9,7	10,0	10,4	4,0	35,0	59,5	437	1,55	1,72	1,83	1,95	40,1	13,4	8,0
		11,6	12,7	13,3	13,8	4,5	36,5	62,1	545	1,62	1,80	1,92	2,04	47,8	15,9	9,6
		210								210						
70	16	3,1				2,0	27,0	45,9	225	1,00				27,0	9,0	5,4
		4,4				3,0	32,0	54,4	275	1,20				27,4	9,1	5,5
	18	4,9				3,0	33,0	56,1	350	1,24				33,7	11,2	6,7
		6,4				4,0	37,0	62,9	403	1,41				34,2	11,4	6,8
	20	7,3				4,0	39,0	66,3	500	1,50				40,0	13,3	8,0
		9,1				4,5	41,5	70,6	620	1,60				46,3	15,4	9,3
		200	250							200	250					
75	16	3,9	4,0			3,0	27,0	45,9	225	0,95	1,17			26,9	9,0	5,4
		5,1	5,3			4,0	32,0	54,4	275	1,15	1,41			27,3	9,1	5,5
	18	5,5	5,7			4,0	33,0	56,1	350	1,19	1,46			33,5	11,2	6,7
		6,8	7,1			5,0	37,0	62,9	403	1,35	1,65			34,0	11,3	6,8
	20	7,4	7,8			5,0	39,0	66,3	500	1,43	1,75			39,8	13,3	8,0
		8,8	9,4			5,5	41,5	70,6	620	1,54	1,87			46,0	15,3	9,2

TECHNICAL DATASHEET TURBOCAR

SMART – G1.1



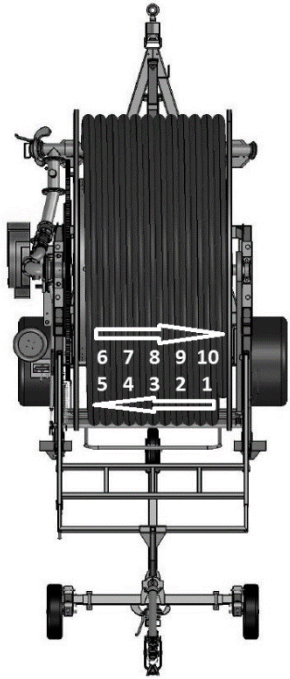
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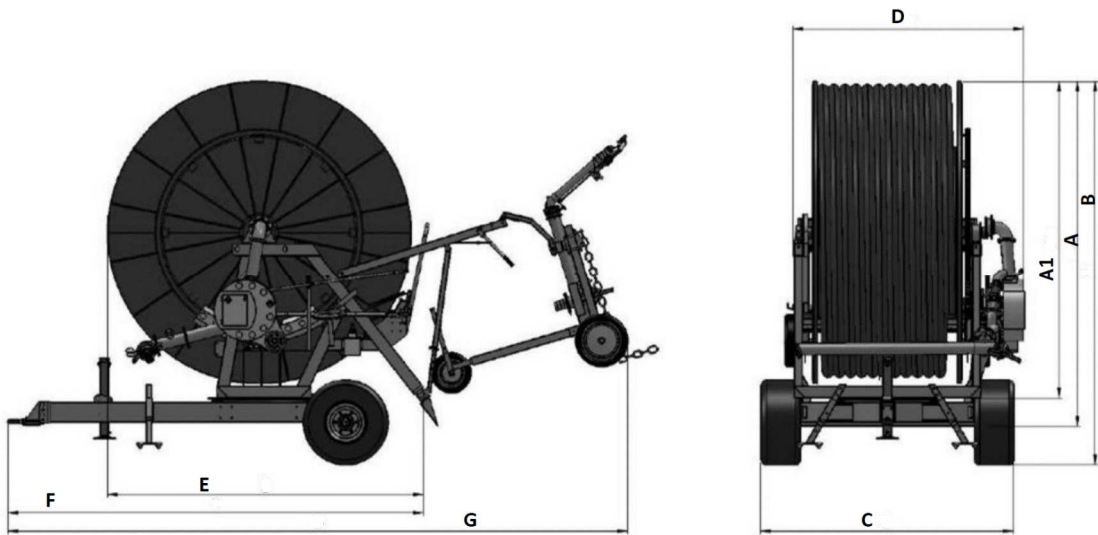
- High efficiency partial flow turbine drive directly coupled to the gearbox (minimum pressure losses in its category)
- Single-speed gearbox with oil lubrication
- Safety devices for PTO and rewinding out of the drum
- Moving transmission through toothed crown, which is placed close to the maximum stress 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 stacker legs operations
- 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 (mm)	Hose length L (m)	Sprinkler
G1.1D	50 G 240	A	5	50	240	AMBO / 163
	63 G 200	A	5	63	200	HIDRA



Weight and overall dimensions



STR.	TYPE	WHEELS	A1	A	B	C	D	E	F	G	KG
G1.1	A	145/80.13-4F	1510	1630	1880	1500	1380	1640	2600	4000	900

Technical Features

Ø hose (mm)	Ø nozzle (mm)	Machine pressure (atm)				Sprinkler press. (atm)	Throw (mt)	Irrigated width (mt)	Flow (l/min)	Irrigated area (ha)				Rainfall (mm)		
50	10	240								240						
		3,0				1,5	17,0	28,9	103	0,69				20,4	6,8	5,1
	12	3,8				2,0	18,0	30,6	120	0,73				22,4	7,5	5,6
		4,6				2,0	19,5	33,2	158	0,80				27,1	9,0	6,8
		6,5				3,0	22,0	37,4	193	0,91				29,1	9,7	7,3
	14	8,2				3,0	23,5	40,0	250	0,97				35,1	11,7	8,8
		10,7				4,0	26,0	44,2	290	1,08				36,6	12,2	9,1
63	14	200								200						
		3,3				2,0	23,0	39,1	195	0,80				27,7	9,2	5,5
	16	4,7				3,0	28,0	47,6	238	0,99				27,4	9,1	5,5
		5,3				3,0	30,0	51,0	303	1,07				32,3	10,8	6,5
		6,9				4,0	34,0	57,8	350	1,23				32,5	10,8	6,5
	18	8,1				4,0	35,0	59,5	437	1,27				39,2	13,1	7,8
		10,3				4,5	36,5	62,1	545	1,33				46,7	15,6	9,3

TECHNICAL DATASHEET TURBOCAR

SMART – G2



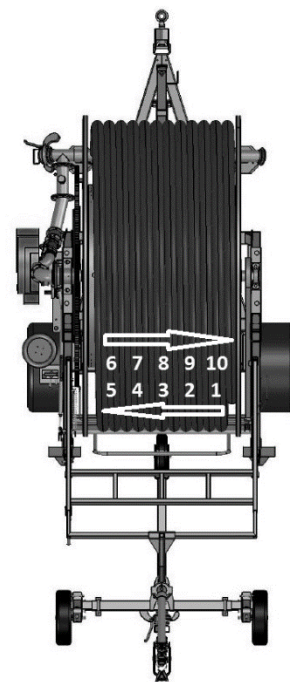
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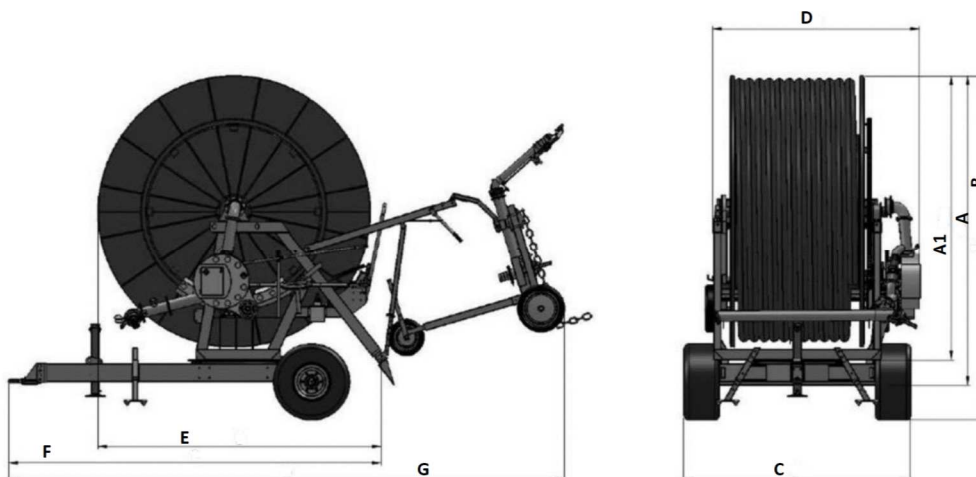
- High efficiency partial flow turbine drive directly coupled to the gearbox (minimum pressure losses in its category)
- 4 speed gearbox with oil lubrication
- Safety devices for PTO and rewinding out of the drum
- Moving transmission through toothed crown, which is placed close to the maximum stress 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 stacker 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 differentiated thickness
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Available Models

Structure	Model	Type	Hose ending	P.E. hose Ø (mm)	Hose length L (m)	Sprinkler
G2D	70 G 300	A	8	70	300	ROYAL / TWIN 101
	70 G 400	C	5	70	400	ROYAL / TWIN 101
	75 G 300	A	9	75	300	ROYAL / TWIN 101
	75 G 350	C	2	75	350	ROYAL / TWIN 101
	82 G 220	B	3	82	220	ROYAL / TWIN 101
	82 G 250	B	5	82	250	ROYAL / TWIN 101
	82 G 300	D	9	82	300	ROYAL / TWIN 101
	90 G 220	E	3	90	220	REFLEX / TWIN 140
	90 G 240	E	5	90	240	REFLEX / TWIN 140



Weight and overall dimensions



STR.	TYPE	WHEELS	A1	A	B	C	D	E	F	G	KG
G2	A	205/60.15-5F	2020	2200	2500	1800	1740	2090	3190	4800	1500 ÷ 1600
	B	205/60.15-5F	2020	2200	2500	1800	1740	2090	3190	4800	
	C	205/60.15-5F	2120	2300	2600	1800	1740	2190	3190	4800	
	D	205/60.15-5F	2120	2300	2600	1800	1740	2190	3190	4800	
	E	205/60.15-5F	2120	2300	2600	1800	1740	2190	3190	4800	

Technical Features

Ø hose (mm)	Ø nozzle (mm)	Machine pressure (atm)					Sprinkler press. (atm)	Throw (mt)	Irrigated width (mt)	Flow (l/min)	Irrigated area (ha)				Rainfall (mm)		
70	16	300	400								300	400					
		3,5	3,8				2,0	27,0	45,9	225	1,39	1,83			27,7	9,2	5,5
	18	4,9	5,4				3,0	32,0	54,4	275	1,67	2,18			28,2	9,4	5,6
		5,7	6,5				3,0	33,0	56,1	350	1,72	2,26			34,7	11,6	6,9
	20	7,4	8,4				4,0	37,0	62,9	403	1,95	2,55			35,4	11,8	7,1
		8,8	10,2				4,0	39,0	66,3	500	2,06	2,69			41,5	13,8	8,3
75	16	11,3	13,4				4,5	41,5	70,6	620	2,21	2,88			48,1	16,0	9,6
		300	350								300	350					
	18	4,2	4,4				3,0	27,0	45,9	225	1,39	1,61			27,7	9,2	5,5
		5,5	5,8				4,0	32,0	54,4	275	1,67	1,92			28,2	9,4	5,6
	20	6,1	6,5				4,0	33,0	56,1	350	1,72	1,99			34,7	11,6	6,9
		7,6	8,0				5,0	37,0	62,9	403	1,95	2,25			35,4	11,8	7,1
82	18	8,6	9,2				5,0	39,0	66,3	500	2,06	2,38			41,5	13,8	8,3
		10,5	11,5				5,5	41,5	70,6	620	2,21	2,54			48,1	16,0	9,6
	20	220	250	300							220	250	300				
		4,2	4,3	4,5			3,0	33,0	56,1	350	1,30	1,46	1,72		33,9	11,3	6,8
	22	5,4	5,5	5,8			4,0	37,0	62,9	403	1,47	1,65	1,95		34,4	11,5	6,9
		5,8	6,0	6,5			4,0	39,0	66,3	500	1,56	1,75	2,06		40,2	13,4	8,0
90	24	7,2	7,4	7,9			5,0	43,0	73,1	560	1,74	1,95	2,29		40,4	13,5	8,1
		7,8	8,1	8,9			5,0	45,0	76,5	675	1,83	2,05	2,41		46,3	15,4	9,3
	26	8,5	8,9	9,7			5,5	46,5	79,1	708	1,90	2,12	2,50		46,8	15,6	9,4
		220	240								220	240					
	28	4,8	5,0				3,0	39,0	66,3	622	1,56	1,68			50,0	16,7	10,0
		6,2	6,4				4,0	44,0	74,8	720	1,78	1,93			50,6	16,9	10,1
90	28	6,8	7,0				4,0	47,0	79,9	845	1,92	2,07			55,2	18,4	11,0
		8,4	8,6				5,0	52,0	88,4	945	2,15	2,32			55,0	18,3	11,0
	28	9,2	9,6				5,0	56,0	95,2	1095	2,35	2,53			58,5	19,5	11,7
		10,1	10,4				5,5	57,0	96,9	1150	2,39	2,58			60,2	20,1	12,0