

Design:

➤ Optional:

max. 325 m special PE pipe 75 x 5,5 mm max. 300 m special PE pipe 82 x 6,0 mm
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- Special gearbox (4 gears) with adjustable band brake
- Full casing
- P.T.O. shaft fast rewind
- Hydraulic support legs at the back
- Lockable turntable
- Return stop at the pipe drum
- Mechanical safety shut-down against winding faults
- Low pressure - and total shut-down
- Fully galvanized water inlet
- Chassis with single axle
- Adjustable track: 1.500 – 1.800 mm
- Electronic speed control with pinion sensor,
 - Pre- and after irrigation 0-99 min
 - Different speeds 5-200 m/h (depending on water conditions) for each irrigation cycle possible
 - Display of irrigation time
 - Simple programming
- Sprinkler skid, with automatic lifting
- Large-area sprinkler TWIN 101 ULTRA

Optional equipment:

- Large-area sprinkler at choice
- Pipe guidance device (mechanical)
- Supply hose DN 90, 8 m, 89 female/male,
Discharge hose DN 90, 5 m, 90 female
- Water meter DN 80 non-calibrated or calibrated (on request)
- Lighting installation
- Solar panel for battery recharging
- GSM control unit
- Additional sprinkler for close range (electronically controlled)

➤ **Applications:**

- Agricultural areas, approx. 23 ha
- Vegetable cultivation
- Special crops
- Fruit growing
- Environmental protection

**Data and dimensions:**

Length ¹⁾ mm	Width mm	Height mm	Track mm	Weight without PE pipe
4.265	2.250	2.630	1.500 - 1.800	1.635 kg
Ground clearance mm			Tires	
430			225/55 R12	

PE pipe	Weight kg/m	Weight of PE pipe (kg)
75 x 5,5	1,14 without water	at 325 m length = 370 kg
	4,35 with water	at 325 m length = 1.414 kg
82 x 6,0	1,35 without water	at 300 m length = 405 kg
	5,2 with water	at 300 m length = 1.560 kg

Sprinkler type	Unit	TWIN 101 ULTRA				
		14	16	18	20	24
Nozzle diameter	mm					
Nozzle pressure	bar	3,0				
Water consumption	m ³ /h	13,0	16,9	21,4	26,5	31,9
Sprinkler throw range (WW)	m	31,6	33,7	35,9	38,2	39,1
Irrigated area ²⁾	m	53,7	57,3	61,0	65,0	66,5
Nozzle pressure	bar	4,0				
Water consumption	m ³ /h	15,1	19,5	24,7	30,7	36,9
Sprinkler throw range (WW)	m	35,1	37,3	39,9	42,5	44,2
Irrigated area ²⁾	m	59,7	63,4	67,8	72,3	75,1
Nozzle pressure	bar	5,0				
Water consumption	m ³ /h	16,8	21,8	27,6	34,3	41,2
Sprinkler throw range (WW)	m	37,3	39,8	42,5	45,2	47,3
Irrigated area ²⁾	m	63,4	67,7	72,3	76,8	80,4

1) Length without sprinkler skid

2) Usable irrigated area = 2 x WW –15% for overlapping and loss due to wind

Subject to technical modifications and changes in scope of supply!

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Absenk- und Beregnungsanlagen

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