

HÜDIG Irrigation Machine**Type Iromat IV****Design:**

➤ Options:

max. 700 m special PE pipe 125 x 14,0 mm
max. 700 m special PE pipe 125 x 15,6 mm - 14,0 mm - 11,4 mm
max. 530 m special PE pipe 140 x 13,0 mm - 10,4 mm

- Special gearbox (4 gears) with adjustable band brake
- Full casing
- P.T.O. shaft fast rewind
- Hydraulic support legs at the back
- Return stop at the pipe drum
- Mechanical safety shut-down against winding faults
- Low pressure - and total shut-down
- Fully galvanized water inlet from both sides (depending on shut-down option)
- Chassis with tandem pendulum axle
- Lockable turntable
- Adjustable for 3 tracks: 1.800, 2.000 and 2.250 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 202 ULTRA

Optional equipment:

- Large-area sprinkler at choice
- Compressed air brake system incl. operating licence acc. to Road Traffic Act (StVO)
- Pendulum locking of the tandem axle
- Lockable turntable
- Hydraulic drive for turntable
- Hydraulic support leg at the front
- Pipe guidance device (mechanical or fully hydraulic)
- Supply hose DN 100, 8 m, 108 female/,male,
Discharge hose DN 100, 5 m, 108 female
- Water meter DN 100 non-calibrated or calibrated (on request)
- Lighting installation
- Solar panel for battery recharging
- GSM control
- Additional sprinkler for close range (electronically controlled)
- Wide tires

Applications:

- Agricultural areas, approx. 80 ha
- Vegetable cultivation
- Special crops

**Data and dimensions:**

Length ¹⁾ mm	Width mm	Height mm	Track mm	Weight without PE pipe
6.750	3.000	4.320	1.800/2.000/2.250	4.254 kg
Ground clearance mm			Tires	
500			11.5/80-15.3 14PR	

PE pipe (mm)	Weight (kg/m)	Weight of PE pipe (kg)
∅ 125x14,0	4,96 without water	at 700 m length = 3.469
	12,35 with water	at 700 m length = 8.642
∅ 125 x 15,6-14,0-11,4	4,43 without water	at 700 m length = 3.104
	12,34 with water	at 700 m length = 8.636
∅140 x 13,0-10,4	4,54 without water	at 530 m length = 2.404
	15,46 with water	at 530 m length = 8.194

Sprinkler type	Unit	TWIN 202 ULTRA					
Nozzle diameter	mm	24	26	28	30	32	34
Nozzle pressure	bar	3,0					
Water consumption	m ³ /h	38,5	45,6	52,6	60,4	69,1	77,5
Sprinkler throw range (WW)	m	41,5	42,9	43,1	43,5	43,8	44,1
Irrigated area ²⁾	m	70,6	72,9	73,3	73,9	74,5	75,0
Nozzle pressure	bar	4,0					
Water consumption	m ³ /h	44,5	52,6	60,7	69,7	79,8	89,4
Sprinkler throw range (WW)	m	47,7	49,9	52,1	53,6	55,0	57,0
Irrigated area ²⁾	m	81,1	84,8	88,6	91,1	93,5	96,9
Nozzle pressure	bar	5,0					
Water consumption	m ³ /h	49,7	58,8	67,9	78,0	89,2	100,0
Sprinkler throw range (WW)	m	51,0	53,6	56,2	58,6	61,1	63,1
Irrigated area ²⁾	m	86,7	91,1	95,5	99,6	103,9	107,3

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!

HÜDIG - your partner to solve water problems.

HÜDIG®
GmbH & Co. KG

Absenk- und Beregnungsanlagen

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