

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

max. 840 m special PE pipe 125 x 15,6mm - 14,0 mm -11,4
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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
- Hydraulic support leg at the front
- 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 and integrated pneumatic brake system
- Clevis linkage
- Fix track of 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
- Pipe guidance device for laying down the PE pipe in the field (mechanical)
- Large-area sprinkler TWIN 202 ULTRA

**Optional equipment:**

- Large-area sprinkler at choice
- Pipe guidance device, 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 with warning plates incl. operating licence acc. to Road Traffic Act (StVO)
- Solar panel for battery recharging
- GSM control
- Additional sprinkler for close range (electronically controlled)
- LED interior lighting for the switchboard

**Applications:**

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

**Data and dimensions:**

Length <sup>1)</sup> mm	Width mm	Height mm	Track mm	Weight without PE pipe
6.540	3.000	4.300	2.250	5.910 kg
Ground clearance mm			Tires	
630			15.00/55 -17 AW 18PR	

PE pipe (mm)	Weight (kg/m)	Weight of PE pipe (kg)
∅ 125 x	4,57 without water	at 840 m length = 3.842
15,6-14,0- 1,4	12,34 with water	at 840 m length = 10.365

Sprinkler type	Unit	TWIN 202 ULTRA					
Nozzle diameter	mm	24	26	28	30	32	34
Nozzle pressure	bar	3,0					
Water consumption	m <sup>3</sup> /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 <sup>2)</sup>	m	70,6	72,9	73,3	73,9	74,5	75,0
Nozzle pressure	bar	4,0					
Water consumption	m <sup>3</sup> /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 <sup>2)</sup>	m	81,1	84,8	88,6	91,1	93,5	96,9
Nozzle pressure	bar	5,0					
Water consumption	m <sup>3</sup> /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 <sup>2)</sup>	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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