

HÜDIG Irrigation Machine**Type Iromat II - TANDEM-FLEX**

Advantage of the TANDEM - FLEX chassis: crop-gentle and time-saving machine positioning while maintaining convenient road transportation via tandem axle

Design:

➤ Optional:

max. 550 m special PE pipe 100 x 11 mm - 9,1 mm -7,4 mm
max. 500 m special PE pipe 110 x 10 mm - 8,2 mm
max. 370 m special PE pipe 120 x 9,0 mm

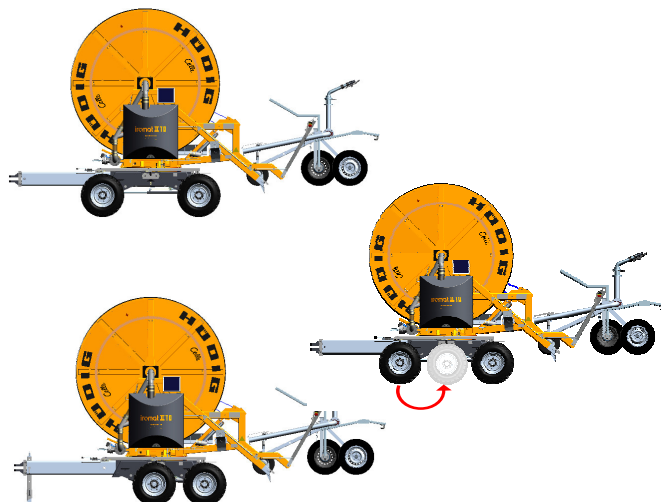
- Special gearbox (4 gears) with adjustable band brake
- Full casing
- P.T.O. shaft fast rewind
- Hydraulic support legs at the back
- Return stop at the pipe drum
- Mechanical safety shut-down against winding faults
- Low pressure - and total shut-down
- Fully galvanized water inlet (depending on shut-down option)
- Tandem axle chassis for road transport
 - Hydraulical adjustment of the axles to achieve a large wheelbase
 - Movable drawbar for machine coupling on both sides
 - Adjustable for 2 tracks: 1.800 and 2.000 mm
 - Lockable turntable, pipe drum hydraulically turnable by 360°
 - Full hydraulic machine positioning via movable control panel
 - Mechanical support leg at the front
- 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 140 ULTRA

Optional equipment:

- Large-area sprinkler at choice
- Pipe guidance device (mechanical or fully hydraulic)
- 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)
- Wide tires

Applications:

- Agricultural areas, approx. 50 ha
- Vegetable cultivation
- Special crops

**Data and dimensions:**

Length ¹⁾ mm	Width mm	Height mm	Track mm	Weight without PE pipe
5.477	2.690	3.700	1.800 / 2.000	2.660 kg
Ground clearance mm			Tires	
530			260/70-15.3 AW 14PR	

PE pipe (mm)	Weight (kg/m)	Weight of PE pipe(kg)
∅ 100 x 11,0 - 9,1 - 7,4	2,35 without water	at 550 m length = 1.294
	7,89 with water	at 550 m length = 4.339
∅ 110x10-8,2	2,87 without water	at 500 m length = 1.437
	9,55 with water	at 500 m length = 4.773
∅ 120x9,0	3,19 without water	at 370 m length = 1.179
	11,36 with water	at 370 m length = 4.202

Sprinkler type	Unit	TWIN 140 ULTRA					
		16	18	20	22	24	26
Nozzle diameter	mm	16	18	20	22	24	26
Nozzle pressure	bar	3,0					
Water consumption	m³/h	16,9	21,4	26,5	31,9	38,0	44,9
Sprinkler throw range (WW)	m	35,5	37,6	39,7	40,8	41,8	42,1
Irrigated area ²⁾	m	60,4	63,9	67,5	69,4	71,1	71,6
Nozzle pressure	bar	4,0					
Water consumption	m³/h	19,5	24,7	30,7	36,9	43,9	51,8
Sprinkler throw range (WW)	m	37,5	37,7	41,8	43,8	45,7	47,8
Irrigated area ²⁾	m	63,8	67,5	71,0	74,5	77,7	81,2
Nozzle pressure	bar	5,0					
Water consumption	m³/h	21,8	27,6	34,3	41,2	49,1	58,0
Sprinkler throw range (WW)	m	40,0	42,6	45,1	47,3	49,5	52,1
Irrigated area ²⁾	m	68,0	72,4	76,7	80,4	84,2	88,6

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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