HÜDIG Irrigation Machine
Type Iromat II RED

Technical Data

Design:
- 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
- Chassis with single axle
- Tracks adjustable: 1.500 mm – 2.000 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 140 ULTRA

Optional equipment:
- Large-area sprinkler at choice
- Compressed air brake system incl. operating licence acc. to Road Traffic Act (StVO)
- Lockable turntable
- Hydraulic drive for turntable
- Hydraulic support leg at the front
- 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
- Supply hose reel for 12 m flat hose DN 90
- GSM control
- Additional sprinkler for close range (electronically controlled)
- Wide tires

Applications:
- Agricultural areas, approx. 40 ha
- Vegetable cultivation
- Special crops
- Environmental protection (dust binding etc.)

Data and dimensions:

<table>
<thead>
<tr>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Track</th>
<th>Weight without PE pipe</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.800</td>
<td>2.750</td>
<td>3.500</td>
<td>1.500 - 2.000</td>
<td>2.630 kg</td>
</tr>
</tbody>
</table>

Ground clearance
- 600
- 11.5/30-15.3 AW 14PR

PE pipe (mm)
- 2.66 without water at 400 m length = 1.065
- 9.54 with water at 400 m length = 3.817

Sprinkler type
- TWIN 140 ULTRA

<table>
<thead>
<tr>
<th>Nozzle diameter</th>
<th>Unit</th>
<th>16</th>
<th>18</th>
<th>20</th>
<th>22</th>
<th>24</th>
<th>26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nozzle pressure</td>
<td>bar</td>
<td>3.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water consumption</td>
<td>m³/h</td>
<td>16.9</td>
<td>21.4</td>
<td>26.5</td>
<td>31.9</td>
<td>38.0</td>
<td>44.9</td>
</tr>
<tr>
<td>Sprinkler throw range (WW)</td>
<td>m</td>
<td>35.5</td>
<td>37.6</td>
<td>39.7</td>
<td>40.8</td>
<td>41.8</td>
<td>42.1</td>
</tr>
<tr>
<td>Irrigated area</td>
<td>m²</td>
<td>60.4</td>
<td>63.9</td>
<td>67.5</td>
<td>69.4</td>
<td>71.1</td>
<td>71.6</td>
</tr>
<tr>
<td>Nozzle pressure</td>
<td>bar</td>
<td>4.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water consumption</td>
<td>m³/h</td>
<td>19.5</td>
<td>24.7</td>
<td>30.7</td>
<td>36.9</td>
<td>43.9</td>
<td>51.8</td>
</tr>
<tr>
<td>Sprinkler throw range (WW)</td>
<td>m</td>
<td>37.5</td>
<td>37.7</td>
<td>41.8</td>
<td>43.8</td>
<td>45.7</td>
<td>47.8</td>
</tr>
<tr>
<td>Irrigated area</td>
<td>m²</td>
<td>63.8</td>
<td>67.5</td>
<td>71.0</td>
<td>74.5</td>
<td>77.7</td>
<td>81.2</td>
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<tr>
<td>Nozzle pressure</td>
<td>bar</td>
<td>5.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water consumption</td>
<td>m³/h</td>
<td>21.8</td>
<td>27.8</td>
<td>34.3</td>
<td>41.2</td>
<td>49.1</td>
<td>58.0</td>
</tr>
<tr>
<td>Sprinkler throw range (WW)</td>
<td>m</td>
<td>40.0</td>
<td>42.8</td>
<td>45.1</td>
<td>47.3</td>
<td>49.5</td>
<td>52.1</td>
</tr>
<tr>
<td>Irrigated area</td>
<td>m²</td>
<td>68.0</td>
<td>72.4</td>
<td>76.7</td>
<td>80.4</td>
<td>84.2</td>
<td>88.6</td>
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</tbody>
</table>

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.

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